

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

**REPORT
TO THE
GOVERNOR
1982-83**



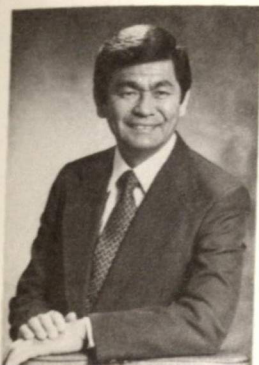
BOARD OF LAND AND NATURAL RESOURCES

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

—*Hawaii Revised Statutes*
Section 171-3



Thomas S. Yagi Takeo Yamamoto J. Douglas Ing Susumu Ono Roland Higashi Moses Kealoha
Chairman



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:

Our Annual Report for Fiscal Year 1982-83 is submitted for your information.

As in previous years, we have endeavored to manage public lands and natural resources for the benefit of Hawaii's increasing population.

State parks and forest lands were seriously damaged by Hurricane Iwa. Considerable efforts were made to clear up park and forest trails and roadways, recreational facilities, and watershed areas from fallen trees and debris.

Hawaii's public lands brought in lease rent amounting to nearly \$5.5 million. The Native Hawaiian Rehabilitation Fund was provided \$750,250 and the Office of Hawaiian Affairs received \$1,369,075.

The Hawaii Instream Use Protection Act, passed in 1982, enabled our agency to establish reasonable control of surface water use in Oahu windward region. Field surveys were made and background data compiled as prelude to preparation and adoption of administrative rules.

Act 296, relating to designation of geothermal resources subzones, was signed into law and our department was assigned the responsibility of assessing the potential geothermal resources and designating the subzones. Pertinent data are being compiled for use in designating subzones.

Continuous efforts are being made in the development of aquaculture and commercial fisheries and parks and water resources, and in the preservation of endangered species and historic sites.

We are indeed appreciative of your guidance and the support of the Legislature.

Respectfully submitted,


SUSUMU ONO

Chairperson and Member
Board of Land and Natural Resources

Attachment

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DEPARTMENT
OF LAND AND
NATURAL RESOURCES

Susumu Ono	Chairman
Edgar A. Hamasu	Deputy to the Chairman
Melvin Young	Personnel Officer
Tamotsu Takekawa	Fiscal Officer
Gordon B.H. Soh	Planning Coordinator
John S. Corbin.....	Manager, Aquaculture Development Program
Robert Lee	Executive Secretary, Natural Area Reserves System Commission
Roger C. Evans	Planner, Conservation District
Charles F. Neumann	Registrar, Bureau of Conveyances
Libert K. Landgraf	Administrator, Division of Forestry and Wildlife
Henry M. Sakuda	Administrator, Division of Aquatic Resources
Robert T. Chuck	Manager-Chief Engineer Division of Water and Land Development
Roy K.C. Sue	Administrator, Division of State Parks, Outdoor Recreation and Historic Sites
James J. Detor	Administrator, Division of Land Management
Maurice M. Matsuzaki	Chief, Division of Conservation and Resource Enforcement



Standing: Nagata, Shimabukuro, Takekawa, Sakūda, Ono, Neumann, Detor, Young. Seated: Evans, Landgraf, Lee, Fassler, Hamasu, Matsuzaki.



Joan Moriyama
Departmental Employee of the Year

OFFICE OF THE CHAIRMAN

ADMINISTRATIVE SERVICES OFFICE

The Administrative Services Office provides general support, internal management, and fiscal services to the Chairman and Members of the Board, and to the staff and operating units of the Department. It also provides specialized liaison services with the Department of Budget and Finance, the Department of Accounting and General Services, and certain federal agencies. This office also provides internal audit functions by reviewing lessees' accounting records to ensure compliance with rental terms specified in the lease agreements.

General Fund Revenues

The Department collected and transferred to the State General Fund revenues from various sources amounting to \$9,236,530 for the fiscal year ended June 30, 1982 and \$9,471,171 for the fiscal year ended June 30, 1983. Major revenue sources generated by the Department are shown below:

Sources of Revenues	Amount 1982	Amount 1983
Lease and Rental of State Land and Water Licenses	\$5,429,084	\$5,267,124
Conveyance Tax	1,452,976	1,496,846
Recording of Legal Instruments	1,172,460	1,191,282
Various Rentals and Concession Income in State Parks	643,602	649,975
Sale of Public Lands		210,811
Federal Indirect Cost Recoveries and Grants	198,824	202,634
Hunting and Fishing Licenses	133,311	140,855
Refunds and Reimbursements of Prior Year Expenditures and Vacation Credits from Other Agencies	132,444	113,472
Restoration of Fish and Wildlife		68,258
Fines—State Conservation District Use Violations	30,500	38,360
Sales of Forestry Products	11,273	34,524
Indemnity for Damages		20,740
Various Fees Relating to Public Land	10,803	17,322
Fees—Conservation District Use Application and Public Hearing	5,475	5,800
Sale of Equipment and Property		5,635
Sale of Confiscated Evidence		5,183
Interest on Delinquent Accounts		1,724
Others	15,778	626
TOTAL	\$9,236,530	\$9,471,171

Native Hawaiian Rehabilitation Fund

As provided by the State Constitution, 30 per cent of the State receipts derived from the leasing of cultivated sugarcane land or from water licenses were transferred to the Native Hawaiian Rehabilitation Fund. The amount transferred to the fund for the fiscal year ended June 30, 1983 amounted to \$750,250. The total amount transferred to the fund since the 1978 constitutional amendment was \$3,561,193 as of June 30, 1983.

Office of Hawaiian Affairs

Act 273, Session Laws of 1980, provides that 20 per cent 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 1982-83 fiscal year was \$1,380,038. This includes \$1,369,075 from State land revenues and \$10,963 from State Park Concessions. The total transferred to OHA since the approval of Act 273, Session Laws of Hawaii 1980, amounted to \$4,050, 978.

PLANNING OFFICE

The Planning Office is responsible for the review and approval of land uses in the Conservation District. The Conservation District covers approximately 45 per cent of the State's land area and all submerged lands within the State's territorial waters. The Planning Office is also responsible for evaluating the environmental impact stemming from the use of conservation lands. It is also responsible for evaluating the environmental impact of the use of State lands.

Conservation District Use Application

During the course of the year, 103 Conservation District Use Applications were processed. The Board of Land and Natural Resources held public hearings on thirty-six (36) issues; a twenty-five per cent (25%) increase over the previous year. Five temporary variances and seven amendments to previous applications were also acted on by the Board. Major applications acted upon included a hydroelectric energy proposal on Kauai, taro production on Maui, a commercial mule train on Molokai, and telescopes for Caltec and United Kingdom-Netherlands atop Mauna Kea on the Big Island.

A number of Conservation District Use Applications were found to be "after-the-fact" for which the Board levied fines.

Single Master Application

During fiscal year 1982-83, the land use review procedure was streamlined by the office. Now a single master application for major land proposals is being used for both conservation and State lands. The public may now apply for a variety of permits, including use of Conservation Districts, use of State lands, withdrawal or supply of water within a designated ground water control area, or for drilling a well, using the same form with no duplication of information required.

Public Complaints

During the year, forty-two public complaints were received. Five were major enforcement actions involving the shoreline at Hanamalu, Kauai, and Federal military training activities on Maui, Molokai, Hawaii and Oahu.

Coastal Zone Management

The department is working closely with the Department of Planning and Economic Development (DPED) to ensure that the policies and objectives of the Coastal Zone Management Program are observed. This year the Hawaii Permit Application and Support System (H-PASS) was introduced

to facilitate coordination and oversight of coastal development control.

Commercial Filming

The policy of streamlining permit procedures for commercial filming and photography operations on State lands was continued. About 205 permits were processed, each within a forty-eight hour period, thus minimizing the review period.

Project Coordination and Environmental Reviews

During the year the Department reviewed seventy-seven (77) projects funded by the federal government to determine what effect, if any, the projects would have upon the natural and environmental resources of the State.

In addition, the Department responded to five notices offering comments on the scope and content of environmental impact statements being prepared. It also reviewed

the drafts of thirty-eight environmental impact statements and assessments covering public projects and private projects which require permits.

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 maintains a centralized system for processing, recording, reporting, and filing the personnel transactions and records of all employees. The Personnel Office prepares and makes recommendations for the adoption of personnel policies and procedures within the department.

SUMMARY OF PERSONNEL TRANSACTIONS

Fiscal Year 1982-1983

Accessions	201
New Hires - Permanent	9
- Inter-Agency Transfer	4
New Hires - Limited Term Appointment	6
- TAOL	1
- Emergency	88
- Provisional	0
- Exempt	93
Separations	214
Resignation & Transfer (Permanent Employees)	19
Resignation & Transfer (Temporary Employees)	185
Retirement	10
Other Personnel Actions	913
Promotion	16
Voluntary Demotion	1
Reallocation	66
Reclassification	0
Change in Title	42
Limited Term Promotion	0
Intra-Agency Transfer	3
Temporary Assignment	425
Extension - LTA	20
Extension - Exempt Appointment	17
Extension - Probational Appointment	2
Leave-Without-Pay (Child Care)	1
Leave-Without-Pay (Others)	55
Extension - Leave-Without-Pay	5
Name Change	2
Return to Former Position	3
Unauthorized Absence	4
Suspension	0
Change in Social Security Number	0
Change in New Salary Schedule	0
Hazard Pay Differential	172
Correction	79
Change in FTE	0

Division	Hawaii	Oahu	Kauai	Maui	Molokai/ Lanai	TOTAL
Administration & Staff		43				43
Conveyances		40				40
Fish & Game ^{2/}	1	30	1	1	1	34
Conservation & Resources Enforcement	13	24	10	9	5	61
Forestry ^{3/}	38	28	18	13	3	100
Land Management	4	21	3	3		31
State Parks	46	86	19	8	1	160
Water & Land Development	5	42	1		3	51
TOTAL	107	314	52	34	13	520

^{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 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.

Together with the habitats they dwell in, native plants and animals form distinctive ecosystems ranging from marine and coastal dune ecosystems to high elevation rainforests and bogs. Some are rare, including those that are now no more than remnants of once common ecosystems. Others are still common and extensively distributed, such as the 'ohi'a rainforest. The diversity of indigenous ecosystems can be seen in the 13 areas that are now established by Governor's Executive Orders as Natural Area Reserves:

Hawaii		
Kipahoe	5,583 acres	Mesic forest, 'ohi'a and koa rainforests.
Laupahoehoe	7,894	'Ohi'a rainforest.
Manuka	25,550	Dryland and mesic forests, 'ohi'a rainforest.
Mauna Kea Ice Age	3,894	Geological: Ice Age and Lake Waiau.
Puu Makaala	12,106	'Ohi'a and koa rainforests.
Waiakea 1942 Lava Flow	640	Recent lava flow with developing rainforest.
Wao Kele 'O Puna	16,844	'Ohi'a rainforest.
Maui		
Ahihi-Kinau	1,238 (land) 807 (water)	Anchialine pools, last lava flow on Maui, marine ecosystem.
Oahu		
Kaena Point	12.464	Coastal dune ecosystem
Mt. Kaala	1,100	Mesic and cloud forests, a montane bog.
Pahole	658	Dryland and mesic forests.
Kauai		
Hono O Na Pali	3,150	Mesic forest, 'ohi'a rainforest.
Kuia	1,636	Dryland and mesic forests.



Bi-weekly staff meeting.

The 13 reserves encompass 81,112 acres. None are truly pristine, as they have been directly or indirectly altered to some degree by human events. Administrative Rule, Chapter 209, allows only passive activities, such as hiking and nature study. Greater use requires a special-use permit. Hunting of game mammals and birds according to hunting rules of the Department is allowed to provide some management of feral animal populations.

Management of the reserves has been directed toward the prevention of further degradation or alteration to the native ecosystem. Signs identifying the area as a Natural Area Reserve have been placed at points of access (roads, trails) to the Mt. Kaala, Pahole, and Mauna Kea Ice Age reserves. Some signs also list the main points of the rule governing the use of the reserve. Some management activities have involved coping with special problem situations. Additional signs were posted at strategic locations in the Ahihi-Kinau reserve on Maui. This reserve, which was the first to be established (1973), has had increasing use, mostly by tourists driving through the end of the Makena Road at La Perouse Bay. Illegal roads in the Mauna Kea Ice Age and Ahihi-Kinau reserves have been blocked off with rock or post barriers.

AQUACULTURE DEVELOPMENT PROGRAM

The Aquaculture Development Program (ADP) is responsible for encouraging the development of Hawaii's aquaculture industry. Activities of the program are guided by the recommendations of the 1978 State Aquaculture Plan, the first comprehensive assessment of a State's resources for aquaculture. Hawaii has gained recognition as the leading State with respect to innovative and effective aquaculture planning and development, and the Plan has served as a model for other States and nations.

Since the establishment of the program in 1977, ADP has provided services primarily in the areas of: 1) planning and coordination; 2) support services, including information collection and dissemination, species and site counseling, 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. A significant number of these requests have come from individuals in Southeast Asian, Pacific Island, Latin American and Caribbean countries who look to Hawaii as a center of technical expertise in warmwater aquaculture.

Planning and Coordination

ADP provided input to various national, State, and County planning or plan-implementation efforts, including the National Aquaculture Plan, the National Sea Grant Aquaculture Plan, and the U.S. Department of Agriculture's Aquaculture Plan.

The ADP manager was invited to serve on the National Aquaculture Advisory Board, sponsored by two leading aquaculture feeds manufacturers. This board is made up of representatives from Federal and State Government (Hawaii), the academic, and the private sector. The purpose of the advisory board is to develop and communicate national aquaculture needs and priorities to decision-makers in Washington, D.C..

At the State level, the Natural Energy Laboratory of Hawaii's (NELH) Sea Coast Test Facility at Keahole Point grew in prominence as a site for integrated Ocean Thermal Energy Conversion (OTEC) mariculture demonstration projects. Support to NELH has been on several fronts, including assisting the U.S. Department of Energy in providing technical data for environmental compliance,

developing an environmental compliance plan for NELH to minimize regulatory red-tape, and attracting new aquaculture projects to the facility.

A major activity focused on assisting the Governor's Office in establishing the Ad Hoc Aquaculture Industry Development Committee. The general purpose of this private sector committee is to advise the Governor on the current status of, and future potential of, commercial aquaculture development in Hawaii. Activities and progress made since the publication of the State aquaculture plan in November 1978 will be examined. The committee will also call heavily upon its own experiences, as well as the experiences of individuals and groups asked to appear before the membership. ADP will provide staff support to the committee.

In fiscal 1982-1983, ADP worked closely with the staff of the Pacific Islands Development Program (PIDP) of the East-West Center. Aquaculture planning remains a major area of developmental interest for PIDP and ADP contributed valuable guidance and in-kind support in furthering aquaculture development among PIDP's constituency in the Pacific Basin. Close communication and liaison were similarly maintained with the Pacific Basin Development Council. ADP technical advice resulted in a major regional study on the aquaculture potential of baitfish in the U.S. Pacific Islands.

ADP has been closely involved with advising County aquaculture development planning. The *Maui Aquaculture Plan*, will be published early in the next fiscal year, following technical and editorial assistance to the County by ADP. The *Kauai Fisheries and Aquaculture Plan* is well-underway following a delay precipitated by Hurricane Iwa. Both planning efforts were contracted to local private consulting firms.

Support Services

ADP's support for new and existing aquafarms has played an important role in the development of commercial aquaculture in Hawaii and has created overseas business opportunities for Hawaii-based aquaculture consulting firms. A major goal of the program is to offer the aquafarmer and consultant a wide range of services that will reduce start-up costs and help each achieve profitability.

The prospective farmer receives technical publications, and counseling on sites, species feasibility, permit requirements, sources of financing, potential markets and educational and training programs. The existing farmer has access to such materials as technical documents, films and photographs, and can receive advice on production, disease prevention, and marketing.

ADP's occasional news-bulletin, *Aquaculture in Hawaii*, provides an important medium for "getting out the word" on the State's growing aquaculture industry to potential investors and others who may want to start a business in Hawaii. In fiscal 1982-1983, *Aquaculture Magazine*, *Fish Farming International*, *Aquaculture Digest*, and *Salmonid* presented articles on aquaculture in Hawaii. ADP published *Aquaculture in Hawaii* (an informational brochure), *Prawn Recipes*, and two prawn recipe brochures, *Prawn Recipes* and *Hawaiian Prawns*. Staff contributed five papers to professional journals. Indicative of the program's role in aquaculture technology transfer was the inclusion of an ADP paper entitled "Aquaculture Development for the Pacific Islands" in the recently published *The Emerging Marine Economy of the Pacific*.

Educating and informing the public about aquaculture was accomplished through lectures, participation in various displays and exhibitions, and through cooperation with several film-makers. Staff delivered 13 lectures, including one at the National Fisheries Academy in West Virginia and one at Auburn University in Alabama. ADP took part in the State Farm Fair, the Kauai County Fair, the University of Hawaii Ocean Fair, and the 1982 Hawaiian Aquaculture Exposition at the Ward Warehouse. Staff assisted in the filming of a segment for *Nova*, provided site assistance for a

team from *The Disney Channel*, and supplied information for a series on aquaculture by a local cable TV station.

In February, Brigham Young University-Hawaii held the "First International Conference on Warm Water Aquaculture — Crustacea." There were 310 participants, including representatives from 37 countries. ADP was invited to participate in the planning of this conference and will co-fund the publication of the seventy papers presented.

ADP continued to render staff assistance to the Hawaii Prawn Producers Association (HPPA). In addition to coordinating meetings for the Association, ADP helped guide participation in several significant marketing activities. Hawaiian Prawns were featured during the Hawaiian Aquaculture Exposition sponsored by the Ward Warehouse. The HPPA also interacted with a large freshwater prawn farm in Texas in order to share marketing information. Finally, the HPPA is working with the Hawaii Tropical Plantation, an agri-tourist complex to be located on Maui, to develop an exhibit on Hawaiian Prawns.

Aquaculture site selection, resource assessments, and regulatory permit counseling continued to represent important services provided by ADP staff to existing and/or potential aquaculture entrepreneurs. Field reconnaissance by staff provided potential farmers with valuable preliminary information to evaluate the quality of their sites. Site assessment and permit counseling minimized the time and associated costs involved in acquisition of the necessary permits and clearances. The success of this type of State support was recognized by Steven Shupe, author of *Coastal Aquaculture: Protein, Profits and Problems for a Hungry World* (published in 1982 by Oregon State University's Sea Grant College Program), who noted that: "The State of Hawaii leads the nation in facilitating the aquatic entrepreneur's journey through the regulatory maze."

ADP's Aquaculture Disease Prevention Program provided disease diagnostic services to the aquaculture community. The aquaculture veterinarian made 51 trips into the field to discuss methods of disease prevention and collect data for laboratory analyses. In addition, staff worked closely with Department of Agriculture personnel to monitor imported aquatic species. A shrimp virus disease, with the potential for causing serious problems for Hawaii's marine shrimp farmers, was controlled through quarantine procedures and then eliminated. The veterinarian was invited by the International Council for the Exploration of the Seas to present a paper in Sweden on his investigation of

the disease. The Council noted the "pioneering shrimp virus studies" being conducted in Hawaii.

Research, Development and Demonstration

ADP provides direct funding and matching support for research, development, and demonstration projects which improve yields and reduce production costs for existing industries and which develop new economically-important species and systems. Non-State sources of support are actively sought to share the cost of projects.

In fiscal 1982-1983, research focused on improving production management and processing/handling techniques for Hawaiian Prawns. Projects jointly funded by the University of Hawaii Sea Grant College Program assisted the industry in the areas of pond management, nutrition and feed management, disease prevention, controlled domestication, product handling, system development, and processing. Other projects which are jointly supported included completion of a program to develop techniques for the backyard aquaculture of freshwater animals, continuation of a toxicological survey of shrimp and prawn production facilities and a fish-pen project designed to efficiently utilize Hawaiian fishponds for aquaculture. In addition, a project to identify and enumerate the naturally-occurring animals that populate prawn ponds continued.

Marine shrimp research to establish the technical and economic feasibility of shrimp farming continued at the Oceanic Institute. The culture of topminnows for testing as a baitfish for skipjack tuna concluded in Maui County with good results, and the seaweed aquaculture development project was expanded to include a study of the feasibility of establishing a seaweed processing industry in Hawaii. A study of the local market for marine shrimp, seaweed, oysters, opihi, mullet, and catfish moved further towards completion.

Significant results were reached in many research projects. For example, one project developed a low-cost, low-energy pond aerator to mix the water in aquaculture ponds and increase the oxygen content and temperature, thereby greatly increasing the pond's production. An important project added by the Legislature was the Oceanic Institute's aquaculture and livestock feed research to develop a low-cost protein source of *Spirulina* grown in organically-fertilized water. Progress to date has been excellent as illustrated by their invention of a new design for harvesting which should greatly reduce production costs.

DIVISION OF AQUATIC RESOURCES

The Division administers the State's programs in commercial fisheries and aquaculture, aquatic resources and environment protection, and aquatic recreation. It is concerned with the research, development and management of the State's fisheries resources.

Major activities include providing opportunities and facilities for recreational fishing, protecting native and other resident fish and aquatic species and their habitat, providing technical assistance to aquaculture development, and conducting fishery development projects consistent with the interests of the State.

COMMERCIAL FISHERY AND AQUACULTURE PROGRAM

The program assists commercial fishery enterprises by increasing their productivity through improvements in production methods, product processing, equipment usage and management methods. Activities also include: developing new and improved aquaculture products by providing technical assistance and demonstration projects so as to enhance the quality and diversification of Hawaii's commercial fishery production. Analysis of commercial fishermen catch reports and stock assessments are conducted to gather information about commercially important fish and shellfish species, to determine the effects of fishing so that appropriate laws and rules may be adopted to manage and sustain the resources.

Midway Albacore Tuna Fishery

In 1982, the State legislature funded a study to determine the feasibility of developing a fishery support base at Midway Islands for transshipment of albacore tuna caught in the North Pacific waters to the cannery in Honolulu, and to evaluate the existing fishery infrastructure in the main Hawaiian islands for potential expansion of the commercial fishing fleet. Consultants were subsequently hired to conduct the study under the direction of the Division and the Hawaii Fisheries Coordinating Council. The final report is planned to be presented to the Legislature in 1984. The study will include such topics as an assessment of the North Pacific albacore tuna resource, the design of a fishery support base compatible with the national defense needs of the U.S. Navy, an economic analysis of the fishing fleet and support base operations, environmental assessments, and cost-benefits.

Statewide Fish Aggregating System

Fishermen reported catching 206,087 pounds of fish at the State's 25 fish aggregating devices (FADs). Fishermen made at least 2,378 trips to the FADs and caught ahi or yellowfin tuna (99,319 pounds), aku or skipjack tuna (33,584 pounds), a'u or marlin (31,824 pounds), and mahimahi or dolphin (20,538 pounds). These fish comprised 90 per cent of the total poundage produced by the FADs during the fiscal year.

The fishing methods most frequently used around the FADs were: live-bait, pole-and-line by aku boats (2% of catch), handlining (33% of catch), rod-and-reel (14% of catch), and trolling (42% of catch).

In October, 1982 the Ocean Thermal Energy Conversion (OTEC) buoy in North Kona and its mooring were transferred to the Department upon termination of the OTEC-1 project. The OTEC buoy served as an effective fish aggregator producing 48,707 pounds of fish for the west Hawaii fishing community since its acquisition by the State. The average poundage caught around the OTEC buoy was 122 pounds per trip.



Diver conducting fish transect on pentasphere buoy off Laie, Oahu

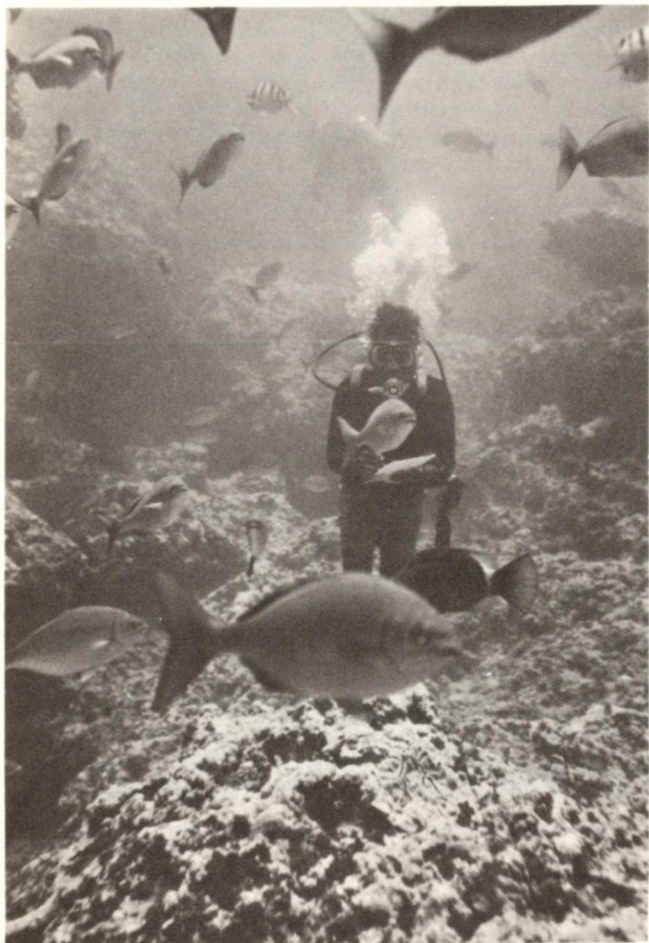
The fish aggregating system lost 20 FADs during the year attributable to strong current, winter storm, and corrosion of metal hardware on the mooring line. Hurricane Iwa that hit the main Hawaiian Islands in November, 1982, broke-loose two fish buoys and overturned three. Replacement of some of these lost buoys was delayed due to delay in obtaining parts.

In an effort to improve the system, the Division removed the wire cable in the mooring line and redeployed a new FAD design buoy consisting of a single 58-inch diameter metal sphere. The single-sphere buoy has minimum surface current drag and has about 3,000 pounds of buoyancy.

Northwestern Hawaiian Islands Bottomfish Surveys

Two commercial fishing vessels — the *F/V KAIMI* and the *F/V WICKED WAHINE* were contracted for a total of four bottomfish cruises during the months of October and November 1982. Each vessel fished one cruise in the Northwestern Hawaiian Islands (NWHI) and the other in the main Hawaiian islands. Data on fish catches, fishing effort and market prices were collected and will be used to analyze fishing operations in both of the areas. The catches totaled 21,620 pounds and were sold for a gross value of \$33,524.79. Catches from the NWHI which were sold fresh and frozen, totaled 19,213 pounds and grossed \$22,822.60.

The remaining 2,408 pounds of fresh fish were caught in the main Hawaiian islands and sold for a gross value of \$10,940.97. Although prices for fresh bottomfish from the main Hawaiian islands were significantly higher, smaller catch rates and small overall catches made bottomfishing unfeasible for the larger vessels.



SCUBA diver conducts one of 106 fish transects to assess the nearshore fishery resources of the Northwestern Hawaiian Islands.



White ulua catch from a NWHI Bottomfish Survey Cruise

Based upon previously collected economic data, bottomfishing trips to the NWHI were marginally profitable. Irregular landings of NWHI bottomfish catches, a limited local fresh-fish market system and the resulting inconsistencies of ex-vessel bottomfish prices appear to constrain expansion and development of a NWHI bottomfish fisheries.

Fishery Information Network (FIN)

Worked continued on this federally-funded study of the Division's fisheries statistics system with the objective of making it more efficient while filling the data needs of Hawaii's fisheries community. A draft report of the study, which included descriptions of the Hawaiian fisheries, current data needs and compilation effort, the current statistics system in detail, and a set of alternatives and recommendations, was circulated "in-house" for review. By mid-August an initial draft report will be sent out for external review. The comments received from the various agencies and groups will then be evaluated for incorporation into a final Hawaii FIN report.

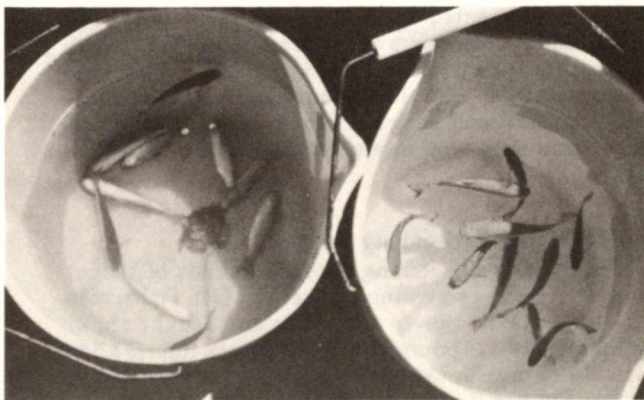
Hawaii Fisheries Coordinating Council

The Division provides administrative support for the 21-member Hawaii Fisheries Coordinating Council that advises the Board of Land and Natural Resources on fisheries matters in the State. The Council met on September 17, October 29, December 14, 1982, and April 15, 1983. The major issue discussed during the year was the severe shortage of baitfish supply faced by Hawaii's aku fishermen. With Council's endorsement, a joint Department of Land and Natural Resources-National Marine Fisheries Service (Honolulu Laboratory) baitfish workshop was held in April 1983. The workshop reviewed the baitfish problem and identified possible solutions. As a result of the workshop, the Council was able to recommend immediate actions to be implemented by the Department to help alleviate the baitfish problem.

During the year, the Council reviewed the Department's commercial fisheries projects and budget, as well as Hawaii fisheries project proposals submitted to the Pacific Tuna Development Foundation for Fiscal Year 1983.

Aku Baitfish Activities

In November and December, 1982, aku fishermen's difficulty in getting enough live baitfish worsened. Much of the bait caught in Pearl Harbor died in the baitwells as the aku boats headed out to the fishing grounds through patches of "red water." In January, 1983, the Tuna Boat-owners' Co-op, Inc., asked the Division to assist in determining the cause of the mortality and develop a remedy to the problem.



Juvenile mullet dying (left) after 15 minutes exposure to "red water". Mullet exposed for the same period of time to water taken outside the "red water" patch show no sign of stress (right).

Staff biologists tracked "red water" distributions and took samples. The organisms apparently responsible were identified as *Cochlodinium catenatum* and *C. citron*, planktonic dinoflagellates related to "red tide" species. The identity was confirmed by a scientist at the Hawaii Institute of Marine Biology of the University of Hawaii. The State's Aquaculture Disease Specialist reported that the signs of death in baitfish were consistent with blockage of oxygen transport across the gills. Staff members assembled a system of portable generator, compressor, air lines and valves, and suc-

cessfully demonstrated how baitfish could be kept alive with artificial aeration while the baitwells were sealed off from contact with "red water" patches. The problem has subsided since early spring, and the co-op has acquired a compressor for the fishermen to use should "red water" recur.

The Oceanic Institute, a private research company at Makapuu (Oahu), continued its attempts to spawn mullet in captivity and to grow juveniles to supplement natural stocks of baitfish for aku fishing. In June, 1983, about 64 lbs. (7,200 fingerlings) were delivered for field testing. A staff biologist observed the performance of the cultured mullet aboard a commercial aku boat. While the small-scale test was not conclusive, useful information resulted: again, mullet proved harder than nehu in baitwells but was not very effective as aku bait. Mullet mixed with nehu worked well, so that possible cultured mullet (if available cheaply and in quantity) could be used to produce larger aku catches from the limited amount of nehu available to fishermen.

Shrimp Industry Development

In 1981 the Department of Land and Natural Resources and the Pacific Tuna Development Foundation (PTDF) supported a Hawaiian deep sea shrimp *Heterocarpus* spp. development project involving fishing operation, shrimp processing, and market evaluation of the product. A final project report was completed during fiscal year 1982-83.

A total of 66,000 pounds of shrimp was caught by traps, with an average trap set time of approximately 20 hours. There were four boats hired by the contractor to trap shrimp. Two boats that fished around the main Hawaiian Islands landed an average of 7.3 pounds per trap while two other boats that fished the Maro Reef area averaged 5.4 pounds per trap. The highest one day per trap average for the Maro Reef boats was 10 pounds while the highest average for the main Hawaiian Islands boats was 13 pounds.

Ciguatera Test Development

Ciguatera is a type of fish poisoning caused by the ingestion of the flesh and viscera of fish containing ciguatera (CTX). CTX, a lipid-base toxin which originates in the benthic marine dinoflagellate (*Gambierdiscus toxicus*) accumulates in fish (by ingestion) to levels which affect humans. Ciguatera is the most prevalent type of fish poisoning seen in Hawaii, Florida, and the Virgin Islands. Although the toxin source, chemical structure, and fish species prone to be ciguateric are known, there has yet to be developed a cost-effective assay.

In partial fulfillment of this study's objectives, CTX analysis was done on 700 fish samples collected from the Northwestern Hawaiian Islands during July 1982. Fish species which recorded high percentages of positive (a toxic designation) or borderline scores were the po'ou (*Chelinus unifasciatus*), ulua (*Caranx ignobilis*) and the manini (*Acanthurus triostegus*).

During the year CTX analysis was also performed on fishes collected from the Barbers Point deep draft harbor project area and other selected inshore areas around Oahu. One thousand sixty-eight (1,068) fish specimens have been analyzed from October 1982 to May 1983. Of 751 fishes tested between October and December 1982, only 8% were evaluated to be positive and/or borderline in toxicity. These species were the maiko (*Acanthurus nigroris*), kole (*Ctenochaetus strigosus*), taape (*Lutjanus kasmira*), menpachi (*Myripristis kuntee*), and the moana (*Parupeneus multifasciatus*). However when extractions from positive and borderline specimens were tested in mouse bioassays, results indicated that no illness in humans would have occurred if the fish were consumed which suggests that in addition to the CTX, other closely-related but less toxic compounds are being detected in the analysis.

From January to May 1983, frequencies of positive toxicity values increased in certain fish species. Of the 317 fishes tested, 24 percent were evaluated to be positive and/or borderline in toxicity. These species were the palani

(*Acanthurus dussumieri*), naenae (*Acanthurus olivaceus*), po'ou (*C. unifasciatus*), kole (*C. strigosus*), poopaa (*Cirrhitus pinnulatus*), taape (*L. kasmira*), menpachi (*M. kuntee*), and humuhumu (*Rhinecanthus rectangulus*). Tested extractions in mice bioassays proved negative again indicating no threat to humans if consumed.

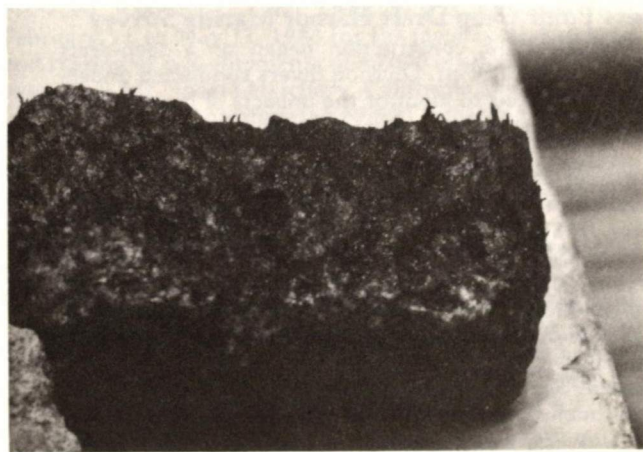
Current information on ciguatera outbreaks suggests that an increase in incidences comes after environmental disturbance is completed. Future monitoring of ciguatera in fish is therefore necessary.

During the year, the State Department of Health reported three cases of fish poisoning. One involved the roi (*Cephalopholis aroos*), on Maui, and two involved the po'ou (*C. unifasciatus*), one caught near Pearl Harbor, Oahu, the other near Kawaihae, Hawaii. Retrieved specimens from these cases will be used to further refine the method of rapid CTX detection procedure known as ELISA.

Aquaculture—Anuenue Fisheries Research Center (AFRC)

Giant freshwater prawn (*Macrobrachium rosenbergi*) aquaculture research and development activities at the AFRC continued with the production of approximately 8.5 million post larval prawns distributed among some 104 acres of ponds under cooperative agreement with the State. There were 21 growers who produced approximately 320,000 pounds of marketable prawns in 269 acres of ponds. The prawns were estimated to value nearly \$1.6 million to the producers.

A "Seaweed Investigations" project was initiated with focus on mass producing two local seaweed species: *Gracilaria bursapastoris* (ogo) and *Gracilaria coronopifolia* (limu manaua). Laboratory scale "in vitro" spore settlement experiments conducted at AFRC have been very successful. Preliminary results of mass spore settlement on small coral-line rocks to produce "seed rocks" also appear promising. The project will continue with the rearing of *Gracilaria* sp. sporelings on "seed rocks" for out-plantings into new and existing natural seaweed beds.



Ogo "sporeling" on a coral chip seed rock.

Legislation

The Twelfth Hawaii State Legislature (1983) passed several measures affecting the Commercial Fisheries and Aquaculture Program. Act 15, Session Laws of Hawaii (SLH) 1983, amended Hawaii Revised Statutes (HRS) to clarify the Department's functions relating to aquaculture, aquatic life and wildlife programs.

Act 62, SLH 1983 removed a statutory "sunset" clause where all speared fish except shark, uu, uhu and kumu would have been prohibited from sale after December 31, 1983. It is now legal to, and will continue to be legal, to sell all speared fishes beyond December 31, 1983. Act 62 was passed on the basis of commercial catch data from the

Division, which indicate that stocks of fishes being speared commercially are not being significantly affected. The Division will continue to monitor commercial spearfishing effects, and will take appropriate action should evidence arise to indicate the need to regulate this fishing.

AQUATIC RESOURCE AND ENVIRONMENT PROTECTION PROGRAM

The objectives of this program are to conserve and to enhance the fish and other aquatic animals and plants which collectively belong to the people of Hawaii, including the species which have been classified as threatened or endangered, and to protect the habitats these organisms need.

Marine Life Conservation Districts (MLCD)

The State's MLCD system has been established to protect marine life in special areas with unusual value, due to particular combinations of favorable physical conditions, natural biological richness, and accessibility to wide ranges of Hawaii residents and visitors.

The Department established the State's seventh MLCD in January, 1983, at Pupukea, one of the few protected beaches on Oahu's North Shore. With a parking area close above and a system of lava tubes in shallow waters, Pupukea has long been a popular site with novice divers, underwater photographers, and admirers of reef fishes. Due to requests at a public hearing, fishing with pole-and-line and by hand, by spear while skindiving (but not spearing with SCUBA), and limu picking are permitted in the Pupukea MLCD; one area is also open for netting.

Barbers Point Deep Draft Harbor Marine Survey

In August, 1982, construction began on a deep-draft harbor at Barbers Point. Division divers conducted underwater observations to monitor the impacts of construction activities on the quality and quantity of marine life in the area.

Four permanent 250-yard transect stations were established on the outskirts of the construction zone by October, 1982. Turbidity, high surf and storm surge (as with Hurricane Iwa in November 1982), make biological surveys difficult. Only partial data could be obtained during December-March and from May-June of 1983; however, all four sites were monitored in November (before Iwa), 1982, and in April, 1983.

Between September 29, 1982, and June 30, 1983, 1,068 fish specimens were collected for ciguatera fish toxin assay by the University of Hawaii.

Aquarium Fish Collecting Study

The collection of small reef fish with fine mesh nets for aquariums was monitored throughout the year by means of the established permit and catch reporting system.

During the year, 179 persons were issued aquarium fish collecting permits: 111 (62%) for home aquarium use and 68 (32%) for commercial sale of the aquarium fishes. The total number of permits declined slightly from last year's total of 186 permits. About 98% (114,690) of all the fishes collected (120,726) were harvested for sale with an estimated value of \$228,626. This is equivalent to an average value of \$1.89 per fish, slightly higher than the average value of \$1.81 obtained last year. Over the past five years, commercial aquarium fish collectors have accounted for an average of 98% of the aquarium fish catch.

Environmental Impact Evaluations

During the year staff biologists reviewed 400 proposals to evaluate potential effects of projects, developments, and uses of natural resources on aquatic environments, aquatic animals and plants, and public fishing. On-site investigations, extensive literature research and consultation with expert sources of specialized knowledge contributed to these evaluations and to recommendations to protect the public interest in aquatic resources.

Division biologists also assisted Department of Health responses to 10 potential water pollution incidents during the year by investigating reports of fish-kills. Participation was also extended in a U.S. Navy operation which cleared nearly 60 World War II ordnance from shore waters of the Malaekahana (Oahu) State Recreation Area.

Legislation

The 1983 Legislature passed Act 111 to enhance the State's special protection of indigenous aquatic and terrestrial plant and animal species, particularly those threatened with extinction. The Act clarified definitions, specified permit provisions and updated penalties. Act 87, SLH 1983, defines a "bullpen trap," and requires such traps to meet the same requirements as other nets and traps. It also provides the Department authority to establish rules for trap features which would allow fishes and other aquatic life to escape if the traps have not been emptied after a reasonable period of time. The Department is developing appropriate rules to implement Act 87 against indiscriminate fishing and fish losses.

AQUATIC RECREATION PROGRAM

Program activities that enrich the leisure time of the public by providing opportunities and facilities for recreational activities include: investigations, surveys and inventories of fish species and populations; sport fishermen surveys and operation of fishermen checking stations; monitoring of introduced fish species; development and maintenance of public fishing areas; and information and education activities to promote better understanding and support of the program.

Northwestern Hawaiian Islands (NWHI) Nearshore Resources Assessment

During July and August, 1982, four Division staff members plus two students from the University of Hawaii Marine Option Program boarded the *F/V WICKED WAHINE* to continue the Department's survey of nearshore fishery resources from Nihoa Island to Pearl and Hermes Reef in the NWHI. The team made 106 underwater fish counts and collected 566 fish specimens to inspect food items and reproductive condition, to gather data on length-weight relationships, and to provide tissue samples for ciguatoxin (fish poison) assay. The survey also included netting and trapping of Kona crabs at Gardner Pinnacles and Maro Reef, and spiny lobster trapping at Maro Reef and Pearl and Hermes Atoll.

During two days at Kure Atoll in June, 1983, three Division biologists collected 210 fish specimens (for dietary, reproductive, growth data, and for ciguatoxin assay). They also repeated a fish count at a site previously surveyed in order to monitor the condition of fish stocks at Kure.

In May, 1983, the Department co-sponsored a symposium entitled "Resource Investigations in the Northwestern Hawaiian Islands," with the National Marine Fisheries Service, the University of Hawaii Sea Grant College Program, and the U.S. Fish and Wildlife Service. The symposium brought together researchers from these and other organizations in a public forum to exchange results and to discuss implications for resource management.

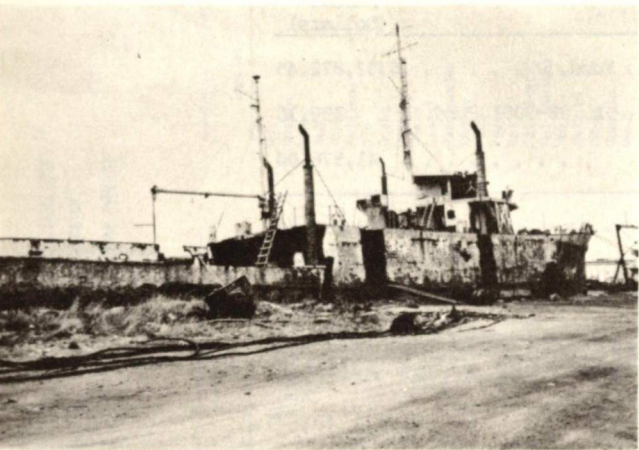
Waikiki-Diamond Head Shoreline Fisheries Management Area

The Waikiki-Diamond Head Shoreline Fisheries Management Area, which was opened to all legal fishing methods during July 1, 1981 to June 30, 1982, was closed to all fishing activities for another two-year period on July 1, 1982. To monitor the effectiveness of the closure, four fish counting stations were established within the area for semi-monthly surveys, except during the months of October, November, and December when bad weather and high tides prevented the conduct of a second survey.

Artificial Reef Project

Three artificial reef sites around Oahu were surveyed during the year. Two were previously established sites and the third was along the sunken *M/V MAHI*, a new addition to the Waianae Artificial Reef this year. The *MAHI* was surveyed several times during the year to follow changes in species composition of the fishes settling in the area.

On August 26, 1982, the stripped hull of the *M/V MAHI*, a converted 165-foot minesweeper was added to the Waianae Artificial Reef. The vessel and manpower to scuttle the hull were donated to the artificial reef project by the Hawaii Marine Environment Association, an organization of divers and fishermen.



The converted 165-foot minesweeper, *M/V MAHI* was scuttled at the Waianae Artificial Reef, Oahu in August, 1982.

Freshwater Public Fishing Areas (PFA)

Kokee PFA, Kauai—Trout fishing data collected at the Kokee checking stations during the twenty-seven (27) fishing days of the 1982 rainbow trout season (August 7 to September 26) showed that a total of 626 trout weighing an estimated 291 pounds were caught during 517 angler trips. The total catch this year exceed those from each of the four previous seasons. An estimated 1,240 fishing hours were expended with an average of 2.4 hours and a catch rate of 1.2 trout per angler trip. As usual the fish were of excellent quality averaging 9.3 inches and 7.4 ounces. The highlight of the season was the landing of an exceptionally large 5 pound 10 ounce trout from the Waiakoali Stream. Interestingly, this fish ranks second only to the record 6-1/4 pounder caught in 1980 from the same pool.

Wahiawa PFA, Oahu—Creel census and angler interview data collected monthly at this reservoir revealed a change in the species preference of anglers who fish the reservoir regularly. Tilapia, an easily and frequently caught species, is no longer being retained by anglers to the same degree as in the past. Consequently, fishing results showed a decline in the tilapia and total catches for the year. An estimated 18,776 fish (9,608 pounds) were caught and retained this year compared to 23,838 fish (11,042 pounds) last year.

Total fishing effort, however, increased slightly with 14,469 angler trips and 37,407 fishing hours estimated to have been expended at this reservoir.

Nuuanu Reservoir No. 4, Oahu—Three open periods of weekend public fishing for channel catfish were administered during August and November, 1982 and May, 1983. During these openings, rainy weather and high water levels prevailed for eighteen (18) of the twenty-six (26) total fishing days. Despite these conditions, fishing results improved over those of the previous period. A total of 3,869 anglers out of 5,947 applicants for fishing permits turned out to catch 1,849 channel catfish (1,262 last year) weighing 2,701 pounds. The fish averaged 13.58 inches and 1.46 pounds. A 35-1/2 inch, 24-1/4 pounder was the largest channel catfish caught during this period.



Catfishing is easy enough for kids at Nuuanu Reservoir No. 4.

Freshwater Gamefish Culture

Rainbow Trout—The trout hatchery at the Anuenue Fisheries Research Center (AFRC) was activated from February 11 to May 11, 1983 for the incubation, hatching, and rearing of two shipments of 50,000 eyed rainbow trout eggs from Mt. Shasta Hatchery, California Department of Fish and Game. An estimated 87,500 fingerling trout (1.5 inch) from these eggs were released in five streams and a reservoir in the Kokee Public Fishing Area on Kauai. Stream stockings were accomplished by air-dropping the fingerlings from a hovering helicopter.

Channel Catfish—Good channel catfish spawning at Nuuanu Reservoir No. 4 resulted in the collection of fifteen (15) egg masses during May to June, 1982. The eggs were incubated and hatched, and fry were reared at the catfish hatchery facilities at the AFRC. Some 125,526 fingerlings were produced from these eggs of which 117,400 were released in the Wahiawa Public Fishing Area, and 8,126 in Nuuanu Reservoir No. 4.

Tucunare—The culture of tucunare spawns (eggs) collected in the wild was again carried out following last year's initial success with a single spawn. From ten (10) spawns collected (7 from Wahiawa Reservoir and 3 from Ku Tree Reservoir), a total of 2,080 fingerlings was produced at AFRC and stocked in the Wahiawa Public Fishing Area.

Legislation

By Act 145, SLH 1983, an unspecified portion of Kailua Bay (Kona, Hawaii) has been added to those areas of the State where year round fishing is allowed with pole-and-line only. The Act was passed to resolve conflicts between pole-and-line and net fishers who fish for hahalalu along the Kailua shoreline, by reserving the resource in this small area for recreational pole fishers. The Department will promulgate a rule to specify the limits of the area where netting is to be excluded.

MISCELLANEOUS PERMITS (NO CHARGE)
Fiscal Year 1982-83

Type	Number
Scientific Collecting Permits - Fisheries	31
Group Fishing Permits	2
TOTAL	33

FEDERAL AID FUNDS*
Fiscal Year 1982-83

Type	AMOUNT (Dollars)
Dingell-Johnson Federal Aid in Fish Restoration Fund.	\$357,872.45
Commercial Fisheries Research and Development (P.L. 88-309) Fund.	390.15
Sea Grant College and Program Fund.	41,576.00
TOTAL	\$399,838.60

* Cash reimbursements from federal government during Fiscal Year 1982-83; outstanding claims are not included.

COMMERCIAL FISH LANDINGS
Fiscal Year 1981-1982

Island	Sea Catch			Pond Catch			Total		
	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)	Caught (Pounds)	Sold (Pounds)	Value (\$)
Hawaii	3,220,150	3,134,683	\$ 4,138,191	3,374	3,374	\$ 8,505	3,223,524	3,138,057	\$ 4,146,696
Mau	725,197	678,986	797,600	88	24	57	725,285	679,010	797,657
Lana	15,853	15,090	18,030	--	--	--	15,853	15,090	18,030
Molokai	51,310	40,114	57,471	56	44	93	51,366	40,158	57,564
Oahu	4,668,057	4,534,502	5,129,772	13,423	13,267	19,661	4,681,480	4,547,769	5,149,433
Kauai	481,281	404,264	584,896	--	--	--	481,281	404,264	584,896
TOTALS	9,161,848	8,807,639	\$10,725,960	16,941	16,709	\$28,316	9,178,789	8,824,348	\$10,754,276

Species	Caught (Pounds)	Sold (Pounds)	Amount (\$)	Species	Caught (Pounds)	Sold (Pounds)	Amount (\$)
Tuna (Unclassified)	909	855	\$ 2,119	Mu	1,331	1,318	2,377
Ahi (Yellowfin)	3,513,560	3,484,216	2,863,710	Naenae	2,325	2,265	975
Ahi (Bluefin)	2,536,512	2,452,043	3,248,131	Nenu	19,782	17,765	9,372
Ahi (Bigeye)	192,332	191,862	152,512	Nohu	2,451	2,451	4,737
Kawakawa	10,317	10,317	22,189	Nunu	232	255	121
Swordfish (Unclassified)	46,695	45,467	131,648	O'ililepa	3,544	3,544	2,840
Striped Marlin	37,770	30,692	31,083	O'io	15,656	12,680	8,937
P.B. Marlin	40,018	34,612	40,438	Omaka	294	294	646
Black Marlin	476,161	416,860	244,518	Oopuhue	139	139	136
S.N. Spearfish	11,134	8,787	5,229	Opelu	262,064	256,590	356,856
Broadbill	9,546	6,575	6,754	Palani	20,640	19,616	14,203
Sailfish	29,201	54,645	54,645	Panuhunahu	173	173	131
Mahimahi	1,192	887	616	Panunu	474	463	663
Ono	225,179	208,763	558,201	Pauu	257	171	254
Hapuwuu	256,885	236,303	508,565	Pualu	6,018	5,905	3,980
Kahala	42,183	41,516	68,150	Eel	3,671	3,634	1,084
Kalekale	53,942	44,417	34,332	Eel (Black)	137	125	61
Omitu	8,059	7,003	14,511	Eel (White)	556	553	279
Opapekapa	184,272	176,785	528,572	Uhu	16,140	15,340	16,996
Uku	92,854	89,478	218,499	Ukiki	1,880	1,804	3,650
Unga	25,138	23,673	39,803	Uoua	818	798	1,556
Ulua	69,683	63,708	99,803	Uupalu	135	118	136
Ulu	87,731	82,010	221,107	Ulu	32,445	31,446	62,956
Ulu	23,776	22,859	43,388	Ulu	319	319	126
Ulu	2,687	2,434	1,414	Ulu	53,843	51,554	52,110
Ulu	660	655	1,414	Ulu	629	623	1,194
Ulu	5,847	5,283	7,189	Ulu	1,340	1,339	2,035
Ulu	358,941	326,809	425,495	Ulu	868	859	239
Ulu	611	611	988	Ulu	71,094	67,829	36,840
Ulu	11,828	11,828	26,196	Ulu	1,105	1,105	2,356
Ulu	2,435	2,435	671	Ulu	970	970	1,904
Ulu	714	714	5,133	Ulu	103	96	33
Ulu	4,272	4,272	231	Ulu	1,228	1,192	1,263
Ulu	521	521	721	Ulu	1,293	1,260	1,878
Ulu	540	540	721	Ulu	4,753	2,277	1,793
Ulu	227	227	160	Ulu	10,538	10,103	7,485
Ulu	748	748	356	Ulu	1,176	1,161	1,678
Ulu	4,047	3,050	3,014	Ulu	314	314	569
Ulu	13,560	11,873	6,021	Ulu	132	111	242
Ulu	4,470	4,139	3,996	Ulu	21,827	21,652	24,240
Ulu	5,363	5,121	4,728	Ulu	575	523	2,206
Ulu	4,523	4,334	4,372	Ulu	846	846	938
Ulu	10,043	9,366	37,064	Ulu	8,625	6,074	17,444
Ulu	181	181	200	Ulu	2,889	2,860	8,358
Ulu	5,782	5,253	12,129	Ulu	564	553	2,255
Ulu	827	629	394	Ulu	380	252	825
Ulu	212	212	69,682	Ulu	7,180	5,973	17,230
Ulu	29,840	28,607	69,682	Ulu	20,659	20,253	120,608
Ulu	102	101	60	Ulu	561	489	2,391
Ulu	1,363	1,356	646	Ulu	11,288	8,835	18,245
Ulu	2,370	2,253	1,986	Ulu	7,743	7,193	6,861
Ulu	9,083	8,587	12,705	Ulu	7,695	6,907	17,432
Ulu	22,160	7,962	4,013	Ulu	7,591	7,562	18,555
Ulu	1,107	854	153	Ulu	8,479	8,454	3,545
Ulu	260	259	132	Ulu	305	80	47
Ulu	6,784	6,163	13,628	Ulu	5,991	5,991	4,198
Ulu	2,070	1,521	4,696	Ulu	478	156	2,200
Ulu	6,195	5,956	13,430	Ulu	10,341	8,453	9,123
				TOTALS	9,161,848	8,807,639	\$10,725,960

1/ Data incomplete due to late reporting of fish catches.

COMMERCIAL FISH CATCH ^{1/}

POND CATCH

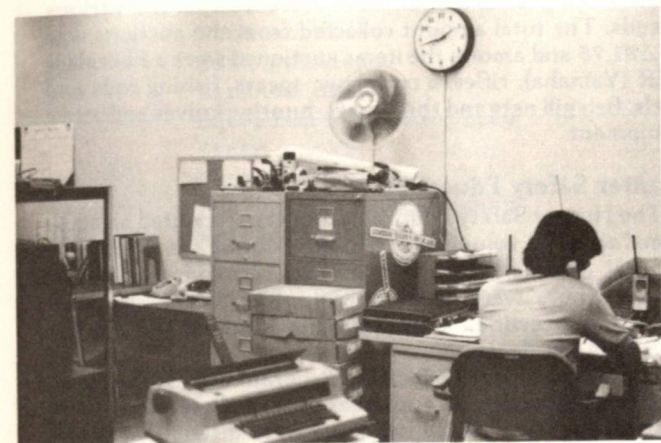
Fiscal Year 1981-82

Species	Caught (Pounds)	Sold (Pounds)	Amount (\$)
Ulua	476	470	949
Aholehole	330	325	532
Amaama	2,769	2,761	7,684
Awa	376	345	640
Awa Kalamoho	181	174	441
Awaawa	1,564	1,564	1,327
Kaku	478	452	1,138
Oio	3,808	3,802	4,664
Pualu	1,747	1,747	1,414
Tilapia	4,119	4,019	7,616
Toau	250	250	764
Crab (Unclassified)	130	122	155
Crab (Samoan)	213	189	676
Miscellaneous	500	489	316
TOTALS	16,941	16,709	\$ 28,316

^{1/} Data incomplete due to late reporting of fish catches.

DIVISION OF CONSERVATION AND RESOURCES ENFORCEMENT

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



DOCARE's small but busy office is responsible for enforcing all State laws, rules and regulations concerning State lands and natural resources.

Conservation and Resource Enforcement

During fiscal year 1982-83, the Division investigated numerous complaints on violation of Conservation District. In addition to response on complaints, the enforcement officers spent more than one thousand (1,000) hours on investigations of over three hundred calls of Conservation District use violations which were sighted during daily patrol work.



A Conservation Officer records data on the fisherman, species and sizes of fish sold at the Honolulu Fish Auction.

Illegal night hunting is a problem on the islands of Molokai and Lanai. On Molokai, while investigating the night hunting activities, an enforcement worker was struck by a vehicle driven by the violators and sustained a serious injury.

The enforcement officers were responsible for the investigation of unauthorized occupancy of State lands at Makua Beach on Oahu and after adequate warnings and notices were issued, the violators were arrested for trespassing.



December, 1982. Illegal structure and vehicles parked at Makua Beach, Waianae.



Illegal structures at Makua Beach before being taken down.



Tractor takes down illegal structures at Makua Beach in January, 1983.

The Division provided assistance to various State and County agencies in the "Green Harvest" operations. The enforcement officers made arrests on occasions when they encountered individuals possessing or cultivating marijuana in the hunting and forest areas. In other occasions, the Division notified the County police when unattended patches of marijuana have been sighted during normal course of enforcement activities.

Conservation Enforcement Training

During the year, training sessions were conducted for the regular and volunteer conservation enforcement officers. These sessions were taught by noted experts and professionals in the field of law enforcement including Dr. Michel Skolnick, Dr. Wesley Young, Investigator Isaac Nakamoto, and DOCARE branch chiefs.

Federal officials presented a course on survival which was attended by staff members of the Department of Attorney General and DOCARE.

Public Information and Education

DOCARE provides a variety of information and education services to the public. Posters announcing closed hunting and fishing seasons and a digest of restrictions on taking marine life were designed, printed, and distributed by enforcement officers to fish markets, sporting goods stores, and boat ramps. Press releases informing the public on open

and closed seasons and amendments to conservation laws and rules were forwarded to newspapers, radio and television. Numerous public inquiries on hunting and fishing regulations by letters and telephone calls were responded to. These services were carried out for the most part by Federal funding and the Coastal Zone Management (CZM) Program coordinated by the State Department of Planning and Economic Development.

Enforcement officers clarified the responsibilities of DOCARE to various schools, student, youth and community organizations as well as to law enforcement groups such as County police recruit classes as part of their curriculum and Law Enforcement course at the Chaminade University.

As part of the Division's responsibilities, an auction of confiscated gear and equipment were held on the various islands. The total amount collected from the auctions was \$5,181.75 and among the items auctioned were a fiberglass skiff (Yamaha), rifles, a crossbow, spears, fishing rods and reels, fish gill nets and thrownets, hunting knives and other equipment.

Hunter Safety Education

The Hunter Safety Education Program recruited an additional eight (8) volunteer instructors during the fiscal year. A total of one thousand, two hundred and sixty-seven (1,267) hours were spent by volunteer instructors who trained and certified a total of three hundred and ninety-four (394) students.

The Hunter Safety Education Program was publicized at information booths at a number of gun shows and at the State Farm Fair. Printed handouts were distributed to the public by the volunteer hunter safety instructors. Questions were answered and prospective students were signed up for attendance at the scheduled hunter safety education classes.

A student of a hunter safety education class was a winner in the Junior Division of the 1982 Marlin Firearms Company Essay Contest. His winning essay was entitled "What I Should Do to Preserve the Sport of Hunting". Pictures and articles about his achievement were sent to local newspapers and to the nationally circulated "Hunter Safety News".

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 1982.



Posters announcing closed seasons are a part of DOCARE's public information and education program.

INSPECTIONS MADE

Types of Inspection	Number Inspected	Citations	Arrests	Penal Summons	Warnings
Commercial fishing crafts	1,179			2	10
Sport fishing crafts	1,941	8			7
Saltwater fishermen	19,976	75			331
Freshwater fishermen	4,189	18			174
Hunters	7,515	53	12	4	215
Fish markets	1,818	1			6
Fish peddlers	67				1
License agents	235				2
Aquarium fish facility	32				
State parks	13,744	23			1,236
Forest reserves	2,751	4	1		123
Tea houses/restaurants	10				
Wildlife sanctuary	43				
Marine life cons. district	302				7
Natural area reserves	19	4			
Land management	33				2

FIELD CONTACTS MADE

Field Contact	Number Contacted	Citations	Arrests	Penal Summons	Warnings
Commercial fishermen	3,576	73			11
Marine sport fishermen	59,159	84			308
Freshwater fishermen	5,158	13			89
Hunters	14,378	170			109
Fish & wildlife resources users	13,617				38
State parks users	243,128	94			7,394
Forestry users	4,622	19	1		84
Wildlife sanctuary	16	3			
Natural area reserves	28	6			
Hunter safety	1				
MLCD	356			1	5
Theft	3		3		
Land Management	136				
Conservation district	65				
Historic site	5				
Marijuana	3		3		

CITATIONS AND ARRESTS

Type of Violations	Number
--------------------	--------

Fishing

Unlawful possession/use small mesh net	25
Unlawful possession/use fine mesh throw net	46
Unlawful possession/taking undersize octopus	21
Prohibited activities Manele-Hulopoe Marine Life Conservation District	7
Restriction on taking Iao	5
Unlawful possession/use of electro-fishing device	6
Unlawful use of trotline - Wahiawa Public Fishing Area	4
No Northwestern Hawaiian Islands Taking Permit	3
Restriction on bag limit - tucunare	5
Restriction on netting - Waikiki reclamation canal	9
Restriction on possession of spiny lobster (undersized)	2
Permit to take/possess sale shellfish (oysters)	11
Prohibited activities - Waikiki Diamond Head fisheries mgmt. area	16
Fishing without a commercial marine license	2
Unlawful taking/possession Mullet during closed season	7
Failure to submit fish catch reports	69
Taking undersized papio	1
Unlawful possession/taking crustacean with eggs (lobster)	4
Unlawful possession/taking speared lobster	4
Fishing without a valid freshwater fishing license	10
Prohibited activity marine life conservation district	2
Restriction on netting of hahalalu	2
Unlawful use of trap to catch Oopu	2
No pond operator's license	1
Unlawful sale of undersize (papio)	1
Unlawful possession/taking crustacean closed season (lobster)	5
Undersize opihi	1
Prohibited activities - Wahiawa Public Fishing Area (restricted fishing)	2

Total Fishing Violations

273

Hunting

No valid hunting license	51
Failure to carry/display hunting license	9
Possession of illegal game mammal (feral pig)	7
Hunting in closed area	22
No orange colored garment	47
Hunting with dogs in prohibited area	22
Failure to check in/out	7
Hunting on non-hunting day	16
Hunting during closed season	1
Removing live animal from game management area	1
Keeping wildbirds in captivity	1
Loaded firearm in safety zone	5
Hunting on private land without owner's permission	8
Night hunting on private land	10
No entry permit	9
Loaded firearm in vehicle	6
Prohibited activities (taking koloa ducks)	1
Possession of illegal hunting firearm	3
Hunting in safety zone	4
Carrying firearm without a permit (public lands)	1
Firearm in prohibited area (knife and dog only)	1
Unlawful hunting of game mammal (pig)	2
Firearm on non-hunting day	1
Possession loaded firearm on horseback	1
Hunting goats on non-hunting day	4
Firearm in closed area	1
Unlawful hunting deer with artificial light	3

Total Hunting Violations

244

State Parks

Unauthorized camping	12
Camping without permit	37
Unleased dog loose in state park	4
Nudity in state park	1
Remaining in closed area (vehicle)	44
Unlawful possession of firearm in state park	2
Driving vehicle in prohibited area	3
Driving on grass	1
Audio device in state park	1
Open fire	1
Commercial activity in state park	2
Defacement of public property	2
Camping in closed area	6
Prohibited operation of vehicle (reckless driving)	1
Animal grazing	1

Total State Parks Violation

118

Forestry

Collecting forest products without permit (hapuu shoots)	2
Vehicle in arboretum	2
Prohibited entry - closed watershed	5
Prohibited activities in forest reserve (operating motor bikes)	3
Collecting forest product without permit (taking bamboo)	1
Litter in forest reserve	1
Collecting forest product without permit (bamboo orchid)	1
Prohibited use of vehicle in forest reserve	2
Collecting forest product without permit (clustered pine trees)	2
Collecting forest products without permit (uki grass)	2
Possession firearm in forest area	1
Collecting forest products without permit (maile)	3

Total Forestry Violations

25

Firearms

Place to keep firearms	1
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Wildlife Sanctuary

Prohibited activity in wildlife sanctuary (Paiko Lagoon)	3
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Natural Area Reserves

Motor vehicle in natural area reserve	1
Prohibited activities in natural area reserve (fishing)	4

Total Natural Area Reserves Violations

5

Miscellaneous

Open lewdness	1
Theft II	3
Obstructing government operations	6
Promoting detrimental drugs (marijuana) 2nd	4

Total Miscellaneous Violations

14

CHARGES

CHARGE	HAWAII	MAUI COUNTY	KAUAI	OAHU	TOTAL
Charges	215	133	124	231	703
Citations	212	106	121	220	659
Penal Summons	--	6	--	2	8
Arrests	3	21	3	9	36
Parking Citations	96	--	23	3,891	4,010
TOTAL	311	133	147	4,122	4,713

DISPOSITIONS

DISPOSITION	HAWAII	MAUI COUNTY	KAUAI	OAHU	TOTAL
Bail Forfeiture					
Number	N.A.	N.A.	N.A.	N.A.	N.A.
Dollars	\$ 1,864	\$ 2,050	\$ 220	\$ 620	\$ 4,754
Referral to Juvenile Authorities	--	1	3	5	9
Cases Dismissed	25	8	13	34	80
Convictions	108	49	44	90	291
TOTAL	N.A.	N.A.	N.A.	N.A.	N.A.

Cases Pending					
June 30, 1982	21	25	2	101	149
June 30, 1983	38	39	5	128	210

FINES AND SENTENCES

ACTION	HAWAII	MAUI COUNTY	KAUAI	OAHU	TOTAL
FINES					
Levied ¹					
Number	N.A.	N.A.	N.A.	N.A.	N.A.
Dollars	\$1,150	\$1,400	\$2,020	\$ 250	\$4,820
Suspended					
\$100	2 ²	--	--	--	2
Split					
\$15	--	--	1 ³	--	1
\$150	--	1 ⁴	--	--	1
\$250	--	--	1 ⁵	--	1
SENTENCE					
Term					
7 days ⁶	--	--	1	--	1
Suspended					
2 months ⁷	--	1	--	--	1
3 months ⁷	--	--	--	1	1
DEFERRED ⁸	1	--	--	--	1
TOTAL	N.A.	N.A.	N.A.	N.A.	N.A.

¹ Excludes any part of split fines.

² In one case 30 hours community service was permitted in lieu of the fine.
² The other case was suspended for 13 months.

³ \$10 of the fine was suspended for 3 months.

⁴ \$25 of the fine was suspended for 6 months.

⁵ \$150 of the fine was suspended for 3 months.

⁶ The term of the sentence.

⁷ The term or period of the suspension.

⁸ Guilty plea. Action deferred 30 days. Contribution to the State made of \$25.

LICENSES AND PERMITS

COMMERCIAL MARINE FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Commercial Marine					
Resident					
Number	780	345	181	1,104	2,410
Amount	\$ 7,800	\$ 3,450	\$ 1,810	\$11,040	\$24,100
Non-Resident					
Number	14	8	--	48	70
Amount	\$ 280	\$ 160	--	\$ 960	\$ 1,400
Special Marine Product					
Number	7	9	3	123	142
Amount	\$ 32	\$ 30	\$ 9**	\$ 330	\$ 402
Commercial Bait					
Number	5	2	--	14	21
Amount	\$ 5	\$ 2	--	\$ 14	\$ 21
NWHI *					
Number	--	--	--	3	3
Amount	--	--	--	\$ 3	\$ 3
TOTAL					
Number	806	364	184	1,292	2,646
Amount	\$ 8,117	\$ 3,642	\$ 1,819	\$12,347	\$25,926

* Northwestern Hawaiian Islands (Leeward Islands)

** Fractional amount (less than a dollar) excluded

LICENSES

FRESHWATER FISHING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	2	--	480	6,065	6,547
Amount <u>1/</u>	\$ 7	--	\$ 1,735	\$ 22,609	\$ 24,352
Non-Resident					
Number	--	--	15	44	59
Amount <u>1/</u>	--	--	\$ 97	\$ 303	\$ 400
Tourist					
Number	--	--	101	34	135
Amount <u>1/</u>	--	--	\$ 365	\$ 118	\$ 484
Juvenile					
Number	--	--	102	1,652	1,754
Amount <u>1/</u>	--	--	\$ 146	\$ 2,354	\$ 2,501
Senior Citizen					
Number	--	--	26	167	193
Amount <u>1/</u>	--	--	--	--	--
Duplicate					
Number	--	--	1	31	32
Amount <u>1/</u>	--	--	--	\$ 14	\$ 15
TOTALS					
Number	2	--	725	7,993	8,720
Amount <u>1/</u>	\$ 7	--	\$ 2,345	\$ 25,400	\$ 27,753

1/ Fractional amounts (less than a dollar) excluded

LICENSES

HUNTING

TYPE	HAWAII	MAUI	KAUAI	OAHU	STATEWIDE
Resident					
Number	3,286	2,639	1,936	3,277	11,138
Amount	\$ 23,549	\$ 18,941	\$ 13,847	\$ 23,415	\$ 79,754
Non-Resident					
Number	117	129	16	43	305
Amount	\$ 1,639	\$ 1,845	\$ 189	\$ 602	\$ 4,276
Senior Citizen					
Number	106	111	24	84	325
Amount	--	--	--	--	--
Duplicate					
Number	65	53	42	31	191
Amount	\$ 31	\$ 26	\$ 20	\$ 15	\$ 93
TOTALS					
Number	3,574	2,932	2,018	3,435	11,959
Amount	\$ 25,220	\$ 20,812	\$ 14,056	\$ 24,033	\$ 84,124

LICENSES AND PERMITS

MISCELLANEOUS

TYPE	STATEWIDE
Game Bird Farm	
Number	27
Amount	\$ 27
Aquarium Fish	
Number	181
Amount	--
TOTALS	
Number	208
Amount	\$ 27

FIELD ACTIVITIES

Activity	Number
Patrols & Investigations:	
Vehicle (Miles)	734,324.00
Foot (Miles)	7,095.75
Boat (Miles)	970.00
Horseback (Miles)	59.00
Swimming (Miles)	33.00
Stakeouts	594
Stakeout (Hours)	1,623.25

MANAGEMENT ACTIVITIES

Management Activities	Hours
Fisheries	2
Wildlife	2
Training	73
Public Relations	2
Research	15

PUBLIC INFORMATION

Types of Information	Number
Talks made to groups	18
Printed informational material	3,706

COMPLAINTS AND INVESTIGATIONS

Types of Complaints and Investigations	Number	Hours
Fishing	376	1,069.75
Hunting	66	276.25
Forestry	70	488.75
State parks	203	483.25
Conservation district	309	1,128.25
Natural area reserves	4	15.00
Miscellaneous	174	522.25

BUREAU OF CONVEYANCES

The conveyances and recording program of the Department is conducted primarily to protect the rights of individuals and organizations in land ownership. The Bureau is responsible for maintaining accuracy and indefeasibility in recordkeeping and for eliminating errors and confusion in land title registration.

Workload

During the fiscal year, 131,701 documents were recorded in the Regular Registration Branch and 55,609 documents were filed and 8,932 transfer certificates of title were issued in the Land Court Registration Branch. This represents a workload increase of 12%.

The program's revenue increased 2% of a total of \$1,195,003 for the period. The total value of real estate transferred amounted to \$3,027,466,000, up 4% from the previous year.

During the fiscal year, the Bureau introduced the use of microfiche for indexing both Land Court and regular records. Because of the use of microfiche, the search for land

title and legal records has been greatly simplified.

Backlog

For fiscal year ending June 30, 1983, the backlog under the Land Court system was 4 months and the regular system was one month.

Office Space

The Bureau of Conveyances is mechanized with 5 computer positions for indexing and 1 microfilm camera to duplicate the records. In addition, there are 8 microfilm viewers for reading and 8 microfiche readers, replacing the hard copies. The use of microfilm and microfiche has contributed to a savings of about 7.5 square feet of floor space annually.

However, under the Land Court System, the original documents must be stored in the Bureau of Conveyances. Accordingly, there is a need for increased floor space for filing Land Court documents.

DOCUMENTS REGISTERED AND CERTIFICATES OF TITLE ISSUED

Fiscal Year	Documents Registered			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1973-74	146,221	94,899	51,322	9,267
1974-75	129,774	91,843	37,931	6,687
1975-76	149,616	103,974	45,642	7,636
1976-77	169,627	116,998	52,629	8,006
1977-78	191,307	131,231	60,076	10,133
1978-79	210,394	145,649	64,745	11,324
1979-80	228,471	157,008	71,463	12,323
1980-81	191,115	136,674	54,441	8,599
1981-82	164,810	121,217	43,593	6,630
1982-83	187,310	131,701	55,609	8,932
Total	1,768,645	1,231,194	537,451	89,537

VALUE OF PROPERTY TRANSFER IN HAWAII

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)
1973-74	75.9	\$1,575,254	9.3	\$ 193,437	10.1	\$ 209,815	4.7	\$ 97,644	\$2,076,150
1974-75	74.1	970,105	10.1	131,594	12.1	159,352	3.7	47,755	1,308,806
1975-76	76.8	703,176	7.6	69,340	12.6	115,573	3.0	27,107	915,196
1976-77	71.4	1,264,697	10.0	173,325	14.6	258,798	4.0	74,493	1,771,313
1977-78	67.3	1,743,379	9.1	235,370	19.1	496,684	4.5	116,519	2,591,952
1978-79	65.5	2,428,836	10.6	394,304	18.8	695,768	5.1	190,370	3,709,278
1979-80	68.2	3,089,239	13.1	591,763	12.5	565,806	6.2	282,919	4,529,727
1980-81	63.4	2,512,596	12.8	506,007	14.3	566,960	9.5	374,451	3,960,014
1981-82	69.5	2,011,748	10.6	306,301	12.2	353,045	7.7	221,538	2,892,632
1982-83	62.9	1,903,777	9.7	293,964	21.0	637,263	6.4	192,462	3,027,466

RECEIPTS OF THE BUREAU OF CONVEYANCES

Fiscal Year	Receipts		
	Regular System	Land Court System	Total
1973-74	\$ 524,029	\$ 236,114	\$ 760,143
1974-75	508,859	177,402	686,261
1975-76	562,064	208,988	771,052
1976-77	598,363	233,110	831,473
1977-78	707,056	259,676	966,732
1978-79	804,281	284,340	1,088,621
1979-80	907,147	327,541	1,234,688
1980-81	803,293	470,050	1,273,343
1981-82	753,842	413,397	1,167,239
1982-83	734,756	460,247	1,195,003
Total	\$6,903,690	\$3,070,865	\$9,974,555

DIVISION OF FORESTRY & WILDLIFE

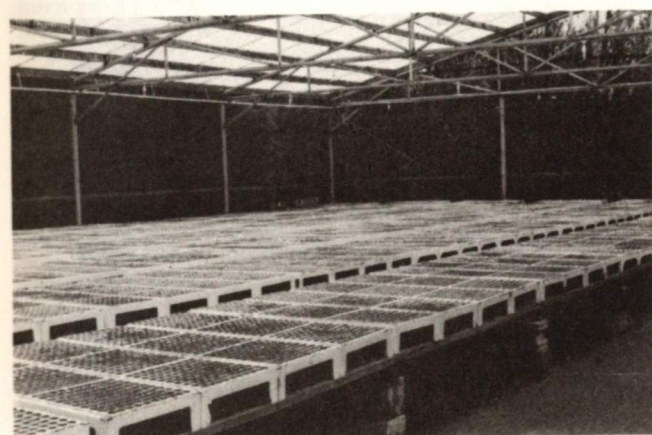
The Division of Forestry and Wildlife has statewide responsibilities for the management of forests and forest resources, and the management of wildlife outside of the forest proper. The major accomplishments for fiscal year 1982-83 are presented below under the program headings of "products development" (LNR 172), "protection and enhancement" (LNR 402), "recreation" (LNR 804), and "support services".

PRODUCTS DEVELOPMENT PROGRAM

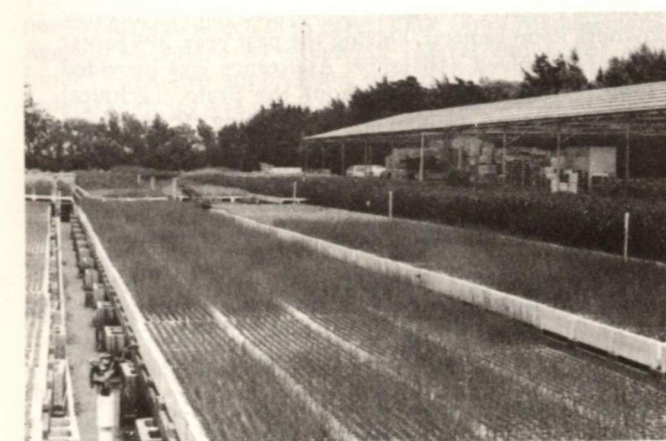
The Division provides tree seedlings for public and private use, establishes and maintains forest plantations, administers forest product inventories and sales, and provides technical assistance to land managers.

Nursery Production

Kamuela Central Tree Nursery. The nursery produced 140,883 containerized and 73,669 bare root tree seedlings during the fiscal year. There were 17,888 koa seedlings grown for Bishop Estate's koa reforestation project. For timber and windbreak plantings, 189,544 tree seedlings were grown. Nursery production for Christmas tree plantings totaled 2,250 seedlings. The other 4,870 seedlings were utilized for soil erosion control plantings and Arbor Day plant distribution.



Starting containerized seedlings in a growing shed at Kamuela Central Tree Nursery.



"Hardening" seedlings in the sunshine at the Central Tree Nursery before shipping them out for field planting.

Maui District Nursery. During the year, the nursery distributed 58,000 trees for the following projects:

Kahoolawe Rehabilitation Project: A total of 13,900 Tamarisk cuttings were started and grown in supercell containers for outplanting in windbreak lines on Kahoolawe.

Molokai Biomass Project: A total of 18,046 Giant Leucaena and various other tree species were grown and shipped to Molokai to help with the establishment of a cooperative biomass planting experiment between Lokahi Pacific and Molokai Electric Company.

Windbreak Orders: A total 22,250 windbreak trees were handled and distributed to private individuals on Maui.

Arbor Week: Some 2,182 fruit, flower and native trees were grown and distributed to the public during Arbor Week.

Hawaiian Studies Program: About 500 native plants and Hawaiian cultivated plants were grown for the public schools' Hawaiian studies program.

Threatened and Endangered Species Program: A number of rare native plant species were started from seed or cuttings, grown and distributed to various botanical gardens, arboreta, and interested individuals in order to perpetuate them and increase their numbers. This year the very rare Molokai White Hibiscus (*Hibiscus immaculatus*) was propagated and distributed.

Hawaii District Nursery. There were 6,364 potted seedlings propagated and distributed during the year. The breakdown is:

Timber Trees: Waiakea Forest Reserve reforestation project utilized 950 seedlings.

Ornamentals: Landscaping and beautification seedlings totaled 3,870.

Native Plant Species: A total of 1,044 native plant species were propagated for Arbor Day plant distribution, wildlife habitat improvement projects, and several State and local government agencies.

Windbreaks: The nursery grew 500 seedlings for windbreak plantings at Kulani Correctional Facilities.

Kauai District Nursery. The nursery was fully operational during 1982-83 fiscal year. Plant distribution on Kauai was 94,650 plants. This total includes 16,046 plants initially propagated at the Kamuela Central Tree Nursery. The breakdown for distribution is:

Windbreaks: 47 farmers and other persons were provided with 14,818 seedlings. Most windbreak plantings were made in the Moloaa-Kailua section of Kauai.

Fuel for Energy Project: 1,300 Eucalyptus seedlings were furnished the County of Kauai for a cooperative biomass fuel study being conducted by the University of Hawaii Agricultural Experiment Station.

Arbor Day: 445 families participated in home Arbor Day tree plantings with 1,480 seedlings supplied by the Kauai district nursery.

Norfolk Island Pine Sale: 73,000 forest-grown wildings were sold during the year for export sale.

Erosion Control: 3,400 rooted cuttings were provided Boy Scouts on an erosion control project at their Kokee Wilderness Camp.

Special Projects: 737 ornamental and native plants were provided for government agency and community oriented beautification projects.

Oahu District Nursery. During the past year, over 1,000 seedlings were grown and distributed. This past year's Arbor Day was very successful as over 850 seedlings ranging from eucalypts to native species were distributed to the public. About 500 Norfolk Island Pine seedlings were distributed to school organizations for beautification as well as erosion control projects.

The district continues to depend heavily on the Kamuela Central Tree Nursery for seedlings to fill other Oahu requests.

Tree Planting and Timber Stand Improvement

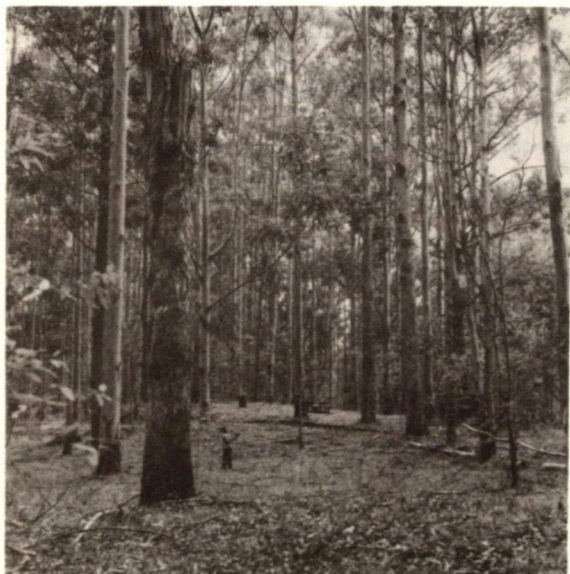
Maui District. Site preparation and tree planting work shifted to the Kahakuloa area in West Maui during the year. District crews are in the process of clearing and planting flat ridgetops with pines to combat erosion and provide future timber resources.

Hawaii District. The tree planting project at Waiakea Forest Reserve and other State lands within Waiakea utilized containerized *Eucalyptus grandis* seedlings which were grown at the Kamuela Central Tree Nursery. Timber stand improvement activities were mostly confined to the newly established stands of *Flindersia brayleyana*.

Kauai District. Reforestation work was temporarily halted during the past fiscal year in order to concentrate on Hurricane Iwa-related problem areas.

Hurricane Iwa affected all phases of forest reserve management work on Kauai. One of the major concerns was the serious watershed damage created by fallen trees. The wind-thrown trees have created an extremely dangerous wildfire situation. Special assistance was requested from the USDA Emergency Watershed Protection Program through the joint efforts of the Forest Service, the Soil Conservation Service, and the Division. A \$436,000 federal grant for cleanup resulted. Most of the Kauai District's work in fiscal year 1982-83 centered around Hurricane Iwa cleanup and fire threat reduction tasks.

Oahu District. Replanting of 6 acres was accomplished in the Kuaokala Forest Reserve. Thinning and weeding was also accomplished on the two established Christmas tree stands in the Waiahole and Honolulu Watershed Forest Reserve.



A eucalyptus plantation in Puu Ka Pele Forest Reserve.



The same plantation after Iwa struck.



The shambles left by Iwa at the Division's Field Operations Center in Lihue.

Forestry Assistance

Technical forestry assistance is provided *gratis* to forestry landowners upon request. During the past year, 395 forest landowners received assistance. Assistance was provided for some 31,962 acres throughout the State. Technical forestry assistance ranged from drafting forest land management plans, giving advice on timber stand improvement and reforestation, to seeking potential buyers for forest products.

The Division co-sponsored a small sawmill workshop in Kona to help sawmill owners improve their operation.

Interest in wood for fuel was apparent on several islands. The Hawaii Natural Energy Institute was assisted in preparing its report on energy tree farm potentials of Puna Sugar Company's lands which are being withdrawn from sugar production.

Assistance was provided to consultants analyzing the continuing feasibility of biomass fueled steam-generated electricity production on Molokai.

Licenses to harvest Eucalyptus stands damaged in the severe windstorms of January 1980 and Hurricane Iwa on State lands were issued. On Maui, the harvested material will be chipped, air-dried at the old Puunene airport and burned during the winter to help meet Hawaiian Commercial and Sugar Company's commitment to Maui Electric.

PROTECTION AND ENHANCEMENT PROGRAM

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

Fire Management

The Division received a \$15,000 federal grant for fire prevention planning. The first step in developing the plan was to analyze fire reports for calendar years 1978 through 1982. Data show that fires are scattered more or less uniformly throughout the year although there are small increases in fire occurrence in February and August. Fire occurrence also seems to be distributed evenly throughout the week in most cases. The analysis identifies some debris burning problems and also identifies a major deficiency in investigation of fire causes.

The National Interagency Incident Management System (NIIMS) has been developed to help agencies work together in major disasters. Division personnel have attended NIIMS workshops and are certified by the national organization to provide training in NIIMS and in the Incident Command System (ICS). ICS provides a method of coordinating all agencies involved in responding to an emergency whether it is a major fire, a hurricane or a lava flow.

The most serious wildland fire emergency in the history of the State developed in the Puna District of the Big Island in February. Dry Kona winds combined with lava flows and malicious burning created a fire problem which threatened subdivisions, destroyed homes and required all the available resources of the County, the Hawaii Volcanoes National Park and this Department.

The situation was brought under control when those starting the fires were arrested and when the lava flow which threatened the Royal Gardens subdivision stopped. The situation required a declaration of a disaster by Governor Ariyoshi to which the Federal Emergency Management Agency responded by supplying federal equipment and funds. Total fire suppression cost to State, County and Federal agencies was in excess of three quarters of a million dollars.

Forest Pest Management

Pest management efforts concentrated on two forest weeds: banana poka (*Passiflora mollissima*) and clidemia (*Clidemia birta*).

A memorandum of agreement was consummated between the National Park Service, U.S. Forest Service, University of Hawaii, and the Departments of Agriculture and Land and Natural Resources. The document formalizes the working relationship which already existed between the agencies. This Department acts as the lead agency and chairs the steering committee. The agreement assures that the burden of carrying out the biological control of banana poka as well as other forest pests would be shared among the cooperators.

The National Park Service is constructing a quarantine facility at the Volcanoes National Park and the U.S. Forest Service, through the Honolulu-based Institute of Pacific Islands Forestry, is adding a research entomologist to its staff to be the principal investigator in the study of insects as biological control agents. The quarantine facility is expected to be completed and certified by the end of calendar year 1983.

Biological control of banana poka is the highest priority project of the cooperating agencies. The Department will contribute to the project by sending out explorers to look for and retrieve candidate predators from banana poka's homeland of South America.

During the fiscal year, the Division received the report "Exploration for Natural Enemies of *Passiflora mollissima* in the Andes" from Dr. Robert Pemberton, an exploratory entomologist with the U.S. Department of Agriculture, Agriculture Research Service, who was sent to South America in early 1982. The report documents Pemberton's observations and findings, and contains his recommendations for future exploratory work and the names of three predators to consider for additional study and testing. Pemberton surveyed Peru and Ecuador, and visited experts in Colombia.

In June, the Division was authorized to hire another exploratory specialist to search Colombia and the parts of Peru and Ecuador that Pemberton did not cover. Because of other commitments, Dr. Pemberton was not able to continue the work.

Clidemia control is the other major project. The Division provided funds to the Hawaii Department of Agriculture to send Mr. Robert Burkhart, an exploratory entomologist, to Trinidad to check on the host-specificity of clidemia predators. The rationale for conducting tests in Trinidad is the ease and expediency of working in an area where the candidate predators occur naturally thus not jeopardizing the flora. There is need for additional predators in Hawaii since the area of infestation continues to expand despite the activities of two predators that were released in 1952 and 1974.

At the end of June, there was one candidate predator in the final stage of testing. A request for its release may be made as early as January 1984.



Sometimes "other means" of transportation is needed while searching for natural enemies of banana poka in the Peruvian Andes.



Evaluating the capabilities of clidemia predators in Trinidad by caging the predators in bags along with clidemia branches.

Endangered Plant Species Program

Hawaii has 27% of the nation's plant species currently under review for threatened and endangered status. Field surveys were conducted to obtain information on their habitat requirements, distribution, abundance, threats, regeneration, and phenology. Final reports of the following surveys were completed this fiscal year: the proposed Lapaohoe Natural Area Reserve, Hawaii (2,500 acres); Kamakou Preserve, Molokai (1,800 acres); 12 cinder cones in South Kohala, Hawaii (730 acres); Keauhou-Kilauea, Hawaii (27,550 acres); and a portion of Kau-Kapapala Forest Reserve, Hawaii (2,200 acres). All major field surveys were terminated as of January 31, 1983.

Illustrated brochures were published last year to increase public awareness of 68 rare Hawaiian plants. The response was so enthusiastic that all 500 copies were distributed within six months.

Maui District obtained materials to fence a 12-acre parcel of dry, scrubland on Molokai for the protection of a small native tree called 'ohai (*Sesbania arborea*). The fence will eliminate the grazing of herbivores upon this concentrated stand of rare 'ohai plants.

Endangered and Threatened Animal Species Program

Biannual inventories were made to determine statewide trends in waterbird populations, including the native endangered Hawaiian Stilt, Gallinule, Coot, and Duck. Populations were surveyed in August and January on a statewide basis. The survey sites generally include permanent, regularly-used waterbird areas in the lowlands. The results were:

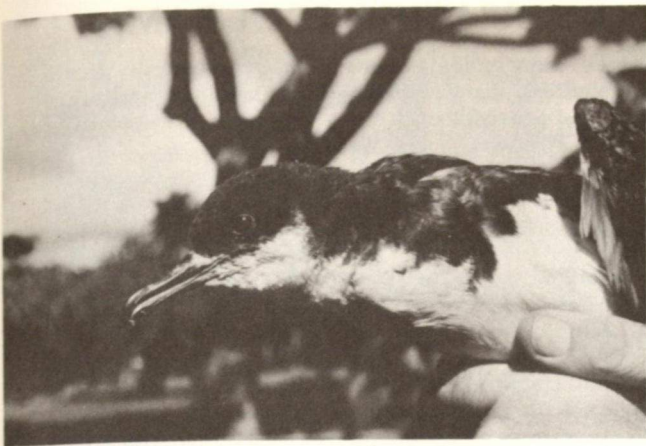
	August 1982*	January 1983*
Hawaiian Stilt (Aeo)	695	633
Hawaiian Gallinule (Alae ula)	109	314
Hawaiian Coot (Alae Keokeo)	1,213	1,425
Hawaiian Duck (Koloa)	85	126

*Some difference in numbers between counts reflects seasonality.



Timothy Sutterfield, a State Wildlife Biologist, takes an endangered Hawaiian Gallinule out of a mist net for banding.

During the annual seabird salvage project on Kauai, a total of 1541 dead, stunned, or injured fledgling Newell's Shearwaters and 6 Dark-rumped Petrels were recovered. Of these, 1435 (93 percent) were successfully collected, banded, and released back into the wild. Many of these rare birds would have otherwise died were it not for the very successful Shearwater aid station project, which involves many volunteer Kauai citizens and agencies.



This Newell Shearwater, originally found dazed on the ground, was rehabilitated by the Honolulu Zoo prior to being banded and released.



A fledgling Alala, or Hawaiian Crow, in captivity. When an adult, this rare endangered bird will be maintained for captive propagation; its progeny will hopefully be released back into protected habitat.

Hawaiian Crow (Alala) Restoration Project

This unique Hawaiian species is on the brink of extinction; fewer than 50 Alala are thought to be left in the wild. As part of the Division's effort to restore this specie to a reasonably secure wild population size, eight Alala are being held at the Endangered Species Breeding Facility (ESBF) at Pohakuloa on the Island of Hawaii for captive propagation. This year another wild fledgling was salvaged, which brought the total captive population to nine birds.

Field surveys to confirm and monitor Alala nesting sites and pairs in known habitats were continued by Division biologists. Based on these surveys, it was concluded that the Hualalai subpopulation is on the verge of disappearing. Planning for, and mapping of, appropriate Alala sanctuary sites continued.

Approximately 38 wild Alala have been banded by biologists within the past 10 years. Division biologists are able to gather field information on social behavior, seasonal movements and mortality by monitoring these banded birds.



An endangered Alala, or Hawaiian Crow, showing plastic identification bands.

Hawaiian Goose (Nene) Restoration Project

The monitoring of Hawaii's State bird, the Nene, continued in order to determine distribution, movements, reproduction, and survival in the wild on Hawaii and Maui. Habitat improvements such as fencing and predator control were conducted locally on Hawaii. Currently, it is believed that the wild Nene is not adequately reproducing and surviving in the wild, and that, at least for the immediate future, captive rearing needs to be continued in order to maintain the population. The management strategy for optimal wild Nene reproduction is being studied with the eventual objective of phasing out captive rearing.

The captive propagation project continued with the production of young at the Endangered Species Breeding Facility at Pohakuloa. Ten pairs of captive Nene produced 20 goslings during the 1982-83 breeding season. These birds will eventually be released on either Maui or Hawaii or used as captive breeders. In September 1982, 19 captive-bred Nene from the 1980-81 and 1981-82 breeding season were color-banded and released at the Keauhou Sanctuary, Hawaii. Since the program began in 1960, a total of 1338 Nene have been released on the Big Island. The statewide total of Nene released on Hawaii and Maui is 1827.



Nene, or Hawaiian Geese, still have very low populations in the wild.

Hawaiian Duck (Koloa) Restoration Project

A feasibility study of radio transmitters mounted on neck-collars was conducted on captive Koloa at the Pohakuloa Endangered Species Breeding Facility (ESBF). Transmitters can be used on captive birds released into the wild to track the birds and monitor their activities. "Nasal saddles", a marking technique for identifying individual birds, were also tested on captive Koloa at Pohakuloa.

A total of 38 Koloa were raised at the ESBF during the 1982 breeding season. Plans to release these birds in the Hilo watershed were cancelled when wetlands in that area dried up during an extended drought. No releases are scheduled for the immediate future.

During field surveys on the Big Island, two young broods of Koloa were found associated with stock ponds in pastures of eastern Mauna Kea at about 5440 feet elevation.

Follow-up counts by park personnel at Ho'omaluhia Park on Oahu, the site of a Koloa release in the spring of 1982, indicated that few Koloa remain in the park itself; however, Koloa are frequently seen at nearby waterbird areas. Two broods, each with one duckling, have been seen in Ho'omaluhia this year, indicating active breeding in this new area. However, feral Mallards and hybrid ducks continue to frequent these areas and the possibility of inbreeding remains a threat to the endangered Koloa.

Northwestern Hawaiian Islands Management

Division biologists visited Kure Atoll in the Northwestern chain on three occasions to monitor seabirds, the Hawaiian monk seal, sea turtles, and vegetation. Green Island and the adjacent sand spits of the atoll are part of the Hawaii State Seabird Sanctuary system and active management is necessary due to the presence of a U.S. Coast Guard Loran Station within the refuge.

Species census and observations on breeding status were made of 14 indigenous seabirds as well as records of the vegetative changes were also documented. Seabirds seen included the Laysan Albatross, Black-footed Albatross, Masked Booby, Brown Booby, Red-footed Booby, Great Frigatebird, Red-tailed Tropicbird, Brown Noddy, Black Noddy, Fairy Tern, Sooty Tern, Wedge-tailed Shearwater, Christmas Island Shearwater, and Grey-backed Tern. Sixteen Masked Boobies banded between 1968 and 1981 were recovered alive indicating extended longevity. Two dead Laysan Albatrosses with bands on their legs were found, indicating that they had survived for at least fourteen years. Twenty-two endangered Hawaiian monk seals were seen on the beaches of Green Island and the sand spits.

A cooperative program with the U.S. Coast Guard to control polynesian rats, which prey on seabirds, continued.

Kahoolawe Management Project

Poor planting conditions were experienced during the January-March planting season and Tamarisk stock has been held over for planting in 1984. Survey work continued throughout the year in a cooperative effort with the Navy to prepare additional holes in preparation for the 1984 planting season. Approximately 10,000 holes are now available. Sixty-seven percent of the 1,200-acre project has now been surveyed and 25% has been successfully planted. These plants survived a dry and windy winter season and are continuing to grow.

Trial plantings, established within exclosures in 1970 have provided excellent survival data on a number of tree and herbaceous species. From these plantings we have determined that the Tamarisk is the best species for withstanding the poor soil, the droughty conditions and the browsing of goats.

RECREATION PROGRAM

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

District Projects

Maui District. Almost 16 miles of forest trails were maintained primarily within the Kula, Koolau and West Maui Forest Reserves. A total of 15.4 miles of forest roads were maintained primarily in the Kula Forest Reserve where public hunting and recreation are popular. A total of 8.8 miles of forest fence were maintained.

Popular roadside recreational stops at Waikamoi, Puohokamoa and Haipuaena are receiving increasingly heavy use from tourists. Regular maintenance is required to keep these natural stream settings attractive. Keanae Arboretum is kept in excellent condition and continues to receive praise from an appreciative public.

On Molokai, road maintenance is important to keep open the access to Molokai Forest Reserve. This road provides access into important public hunting areas and to the popular recreation stops at the sandalwood measuring pit and the Waikolu Lookout.

Kauai District. Condemnation proceedings were successful in securing a right-of-way from Kuamoo Road (Highway 580) to the Nonou Forest Reserve trail system.

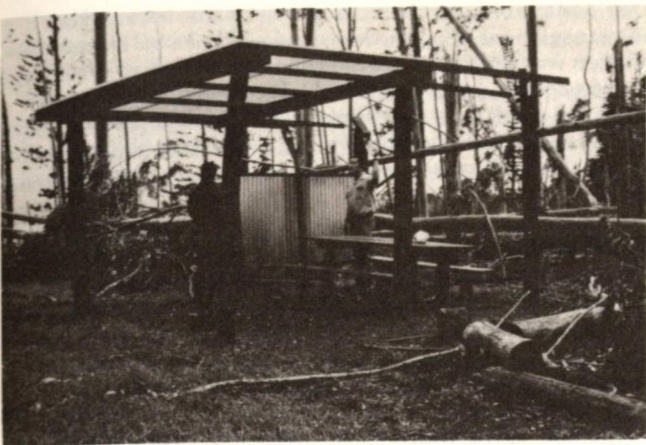
Recreation roads, trails, and trail shelters were badly damaged by Hurricane Iwa. Most repair work is scheduled for fiscal year 1983-84.

Oahu District. Hurricane Iwa, on November 23, 1982, damaged a picnic shelter and destroyed more than 40% of the trees in the Peacock Flats campground. The hurricane also uprooted trees along the Mokuleia/Kuaokala Contour Road, closing the road to vehicular access for over 6 months. Extensive damage was also done to the Kaunala access road in Pupukea and the Nike Site road in the Mokuleia Forest Reserve. Cleanup was initiated the day after the storm, and several access roads were re-opened. The Peacock Flats campground is undergoing a facelift as the damaged picnic shelter is currently being repaired. The campground has been cleared of all downed trees and efforts are on the way to re-establish this popular camping area. The Mokuleia/Kuaokala Contour Road has since been opened.

Damage to the hiking trails by Hurricane Iwa was evident on the Mokuleia, Kuaokala and Kaunala trails. Efforts are now being made to clear these isolated, but popular, trails. Despite the hurricane, over 35 miles of trail and 47 miles of forest roads were maintained and kept open for public use.



Evidence of Iwa's power.



A picnic shelter at Peacock Flats campground torn by Iwa.

Beautification and Native Plant Species Program

Maui District. The district staff provided about 1,000 ornamental and native trees to various parks, arboreta, schools and other government beautification projects.

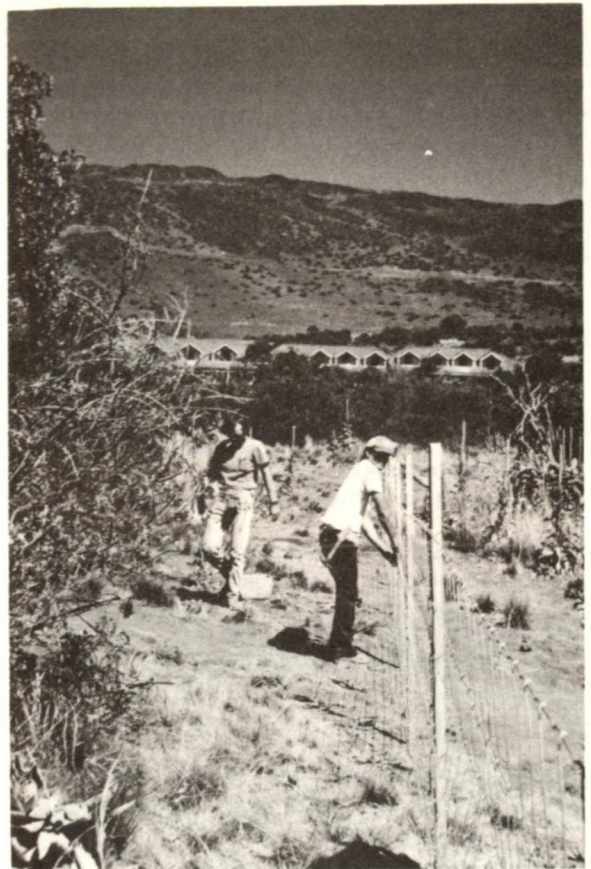
Keanae continues to be a popular public attraction along the road to Hana. During the year, the palm section was enlarged, several native Hibiscus species were planted and 15 varieties of dryland taro were added to the taro collection which is the most extensive in the State.

Fencing work was completed on the 56-acre Manawainui Plant Sanctuary. Materials have been purchased for two more plant sanctuaries: the 10-acre 'ohai sanctuary on Molokai and the *Geranium arboretum* sanctuary in the Kula Forest Reserve on Maui.

Hawaii District. The district staff propagated many native plant species for Arbor Day plant distribution and provided native plant species and technical services to several elementary schools to enhance Hawaiiana programs.

A 2.3-acre arboretum was established at Hale Pohaku, Mauna Kea, to provide visitors with an opportunity to view high elevation native plants. Besides the plants that are presently growing in the arboretum, high elevation plants from around the Mauna Kea area will be added to the arboretum.

Temporary measures were taken to protect a population of silversword (*Argyroxiphium* aff. *sandwicense*) from pig damage. The silverswords are growing in a 3/4-acre bog at



(b). Completing the fence.

the 5,260 feet elevation within the Upper Waiakea Forest Reserve. The majority of plants were covered with wire mesh cages which are to be removed after an enclosure is built. Fifty-five silverswords were counted in May 1983, ranging in diameter from one-half to five inches.

Efforts to protect the last known healthy hau kuahiwi, *Hibiscadelphus hualalaiensis*, on the State's Puu Waawaa pasture lease land was initiated. Corner posts for an enclosure fence have been put into place. When completed, the fence will protect an area of approximately 1/10 acre around the tree.



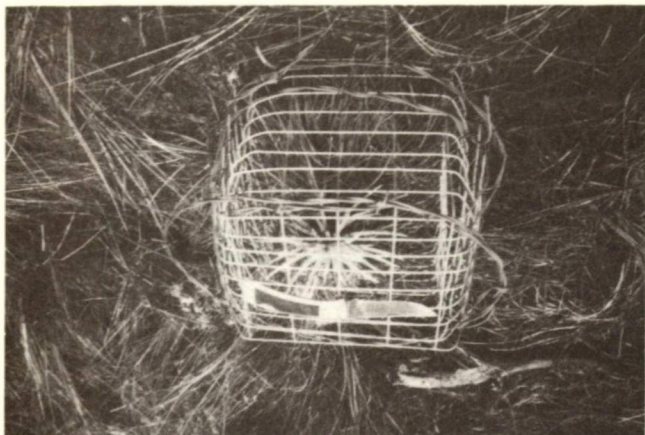
Building an arboretum to exhibit high-elevation plant life at Hale Pohaku, Mauna Kea, Hawaii.

(a). Setting up the fenceline.



Protecting silversword plants from animal damage in upper Waiakea Forest Reserve, Hawaii.

(a). Building cages.



(b). A "caged" silversword.



(c). The bog in which silverswords are growing.

Kauai District. Beautification plants, including native species, were furnished for projects at the Poliahu Hawaiian Arboretum, Koloa Library, Kauai Community College, Wailua University of Hawaii Agricultural Experiment Station (Wailua), Wilson Day Care Center, Rotary Club project at Russian Fort State Park, the Department of Transportation Harbors Division at Nawiliwili, Koloa School, U.S. Navy Pacific Missile Range, and the Pua Loke Forestry Arboretum. Four hundred and forty-five families participated in island beautification with home Arbor Day plantings.

Game Research and Surveys

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

An incremental life history study of Erckel's Francolin on Kauai continued. Evaluations were carried out to measure seasonal changes of the major plants within the Erckel's habitat. A pair of adults was obtained to be reared in captivity to determine life history sequences that are difficult to obtain in the field. This information will be used to manage the species for better public hunting.

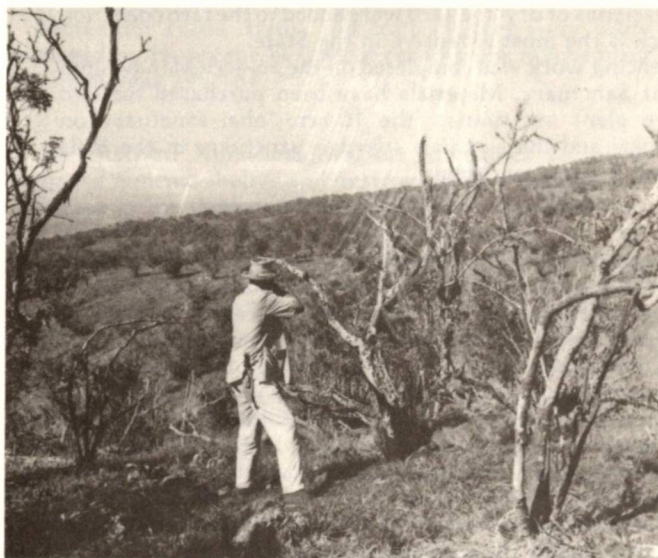
It was estimated that there was a pre-season population of 798 mouflon sheep in the cooperative game management

area of Lanai and 440 mouflon sheep in the Mauna Kea game management area on the island of Hawaii. The deer population was estimated at 350 blacktail deer on Kauai, and 2124 and 428 axis deer, respectively, for the islands of Lanai and Molokai. On Kauai, the estimate of the goat populations for the Waimea Canyon and Na Pali Coast was very low (666) and the 1983 season was closed to permit recovery of the herds.

Public Hunting

A million acres of land in the State are managed by the Department for public hunting. These include State-owned lands within the Conservation Districts, Hawaiian Homes Lands, forest reserves, Federal lands operated under management agreements, and private lands made available through cooperative agreements. These lands include more than 400,000 acres which have been designated "Game Management Areas" because of their exceptional potential for public hunting.

Statewide, game mammal hunters made 10,198 trips into game management areas. A total of 2,080 mammals were harvested on game management areas including 110 feral sheep, 918 feral pigs, 538 feral goats, 367 axis deer, 13 black-tail deer, and 134 mouflon sheep. Additional numbers of pigs and goats were harvested on other public hunting areas where records were not kept. Also, the harvest on private lands, for which no data are available, was undoubtedly significant, particularly for axis deer and feral pigs.



Hunter on Mauna Kea public hunting area on island of Hawaii sights in on feral pigs in distance. The hunting season extends from August through October, annually.

The game bird hunting season was the best in several years due, in part, to better than average rainfall during the nesting and brooding seasons. The number of game bird hunter trips made into public hunting areas was 9,290, up from 6,134 last year. The total harvest was 11,985 game birds, more than twice last year's harvest.

Development, maintenance, and operation of public hunting areas continued to enhance game bird and mammal productivity and to provide facilities for hunters. To augment wild food plants, supplemental food was distributed at the Kekaha Game Management Area on Kauai and game management areas on Lanai, Molokai, Maui, and Oahu.

Twelve acres of land were cleared on Kauai in the Kekaha Game Management Area and 5 acres of grass were mowed in the Kaohe Game Management Area on Hawaii to maintain openings for game bird and mammal habitat.

Twenty acres of land on the island of Hawaii were planted with native and food species of trees, shrubs, herbs, and grasses to benefit game and non-game wildlife.

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

Wildlife Plan

On February 11, 1983, the Board of Land and Natural Resources approved the Hawaii Wildlife Plan. This comprehensive plan will serve as a policy guideline for State wildlife programs, including public hunting, endangered species, noxious animal control, and public appreciation for many years in the future. Upon formal publication, it will be available to managers, scientists, public administrators and the general public for reference and use.

SUPPORT SERVICES

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

Research and Technology Transfer

Communications. Licensing and site acquisition delays prevented the Statewide Microwave System from being completed on schedule. Project completion is now scheduled for the end of 1983. The system is now operational from Lanai through Maui to Hawaii.

Multiresource Inventory. With financial and technical assistance from the U.S. Forest Service, the Division has started the field work for the island of Molokai. The work, scheduled for completion by the end of 1983, will cover wildlife, rare plants, timber volumes, noxious weeds, recreation, and hazards. The inventory will allow the most comprehensive look at our forest resources to date.

International Cooperation. At the request of the President of the Federated States of Micronesia, Governor Ariyoshi approved the involvement of the Division's Resource Evaluation Section in Micronesia's first forest resource inventory.

The Section spent five weeks in Micronesia training local foresters and also participating in the collection of field data. Results of the survey, which is patterned after the Hawaii Multiresource Inventory, are scheduled for publication before the end of 1983.

REFORESTATION PROGRAM IN STATE FOREST RESERVES

Island	Site Prep. (Acres)	Planting (Acres)	Replant. (Acres)	Weeding (Acres)	Fertilizing (Acres)	Pruning (Acres)	Thinning (Acres)
Hawaii	29	29	3	178	120	0	11
Maui	49	30	49	80	0	0	20
Molokai	0	0	0	0	0	6	0
Oahu	0	0	3	6	6	0	5
Kauai	0	0	0	4	0	2	2
Total	78	59	55	268	126	8	38

SEEDLINGS PRODUCED AND DISTRIBUTED

Common Name	Quantity
Athel Tamarix	13,900
Beach Shortleaf Ironwood	13,923
Blackwood Acacia	16
Bluegum Eucalyptus	380
Brushbox	1,285
Gray Ironbark Eucalyptus	162
Italian Cypress	50
Koa	17,855
Lemon-Gum Eucalyptus	226
Loblolly Pine	5,163
Mexican Cypress	32,305
Mindanao-Gum Eucalyptus	4,106
Monkey-pod	2,243
Monterey Cypress	10,432
Monterey Pine	6,748
Norfolk-Island-Pine	1,525
Olive	9,913
Paperbark	15,128
Queensland-Maple	950
Red-Ironbark Eucalyptus	286
Redwood	2,740
River-Oak Casuarina	98,236
Robusta Eucalyptus	2,409
Rosegum Eucalyptus	31,486
Saligna Eucalyptus	10,467
Slash Pine	28,675
Sugi	1,983
Others	15,483
Total	328,075

CONSTRUCTION AND MAINTENANCE OF ROADS, TRAILS, AND FENCES

Island	Construction			Maintenance		
	Roads (Miles)	Trails (Miles)	Fences (Miles)	Roads (Miles)	Trails (Miles)	Fences (Miles)
Hawaii	0	0	5.6	107	7.8	5.1
Maui	0.8	0	3.7	19.9	15.9	89.2
Molokai	0	0	0	78.2	1.9	4
Oahu	0	0.3	0.1	47.2	36.3	2.9
Kauai	0	0	0.3	54.9	55.3	4.9
Lanai	0	0	0	11	0	0
Total	0.8	0.3	9.7	318.2	117.2	106.1

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	13.5	41	0	167
Maui	5	54	0	59
Molokai	4	1	0	0
Oahu	8.9	7	0	108
Kauai	45	6	0	137
Lanai	4	0	0	0
Total	80.4	109	0	471

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

Item	Hawaii	Maui/Molokai	Oahu	Kauai	Total
No. of Fires by Cause:					
Campfire	1	1	0	2	4
Smoking	7	22	3	1	33
Incendiary	9	11	1	0	21
Debris Burning	14	27	1	9	51
Equipment Use	0	2	1	1	5
Children with Matches	8	2	1	0	10
Miscellaneous	18	15	19	6	58
TOTAL	57	80	26	19	182
Acres Burned	15,493	1,315	2,697	220	19,724
No. of Fires by Size-Class:					
Less than 1 acre	32	45	13	9	99
1 to 9 acres	15	23	8	6	52
10 to 99 acres	1	9	1	3	14
100 to 299 acres	3	1	2	1	7
300 to 999 acres	2	2	1	0	5
More than 1,000 acres	4	0	1	0	5

GAME MAMMALS HARVESTED FROM PUBLIC HUNTING AREAS

Mammal	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	Total
Pig, Boar	178	260	57	39	9	0	543
Pig, Sow	151	170	44	10	0	0	375
Blacktail Deer, Buck	0	13	0	0	0	0	13
Goat, Billy	25	265	12	18	0	0	320
Goat, Nanny	15	191	5	7	0	0	218
Mouflon Sheep, Ram	60	0	0	0	0	35	95
Mouflon Sheep, Ewe	39	0	0	0	0	0	39
Feral Sheep, Ram	66	0	0	0	0	0	66
Feral Sheep, Ewe	44	0	0	0	0	0	44
Axis Deer	0	0	0	7	0	360	367
Total	578	899	118	81	9	395	2,080
No. of Hunter-							
Trips	2,370	5,233	517	425	385	1,268	10,198
Mammals/Hunter Trip	0.24	0.17	0.23	0.19	0.02	0.31	0.20

GAME BIRDS HARVESTED FROM PUBLIC HUNTING AREAS

Bird Species	Hawaii	Kauai	Maui	Molokai	Oahu	Lanai	Total
California Valley Quail	3,061	21	60	10	0	0	3,152
Gambel's Quail	0	0	0	0	0	6	6
Japanese Quail	950	6	0	3	0	7	966
Ring-Necked Pheasant	345	454	611	10	0	229	1,649
Nepal Kalij Pheasant	78	0	0	0	0	0	78
Chukar Partridge	1,511	16	440	1	0	11	1,979
Grey Francolin	292	21	0	24	0	240	577
Black Francolin	1,234	52	0	79	0	0	1,365
Erckel's Francolin	1,284	414	0	0	17	15	1,730
Wild Turkey	118	0	0	0	0	8	126
Lace-Necked Dove	4	87	0	54	2	14	161
Barred Dove	12	69	0	25	0	90	196
Total	8,889	1,140	1,111	206	19	620	11,985
No. of Hunter-Trips	4,557	2,139	1,224	192	548	630	9,290
Birds/Hunter-Trip	1.95	0.53	0.91	1.07	0.03	0.98	1.29
No. of Hunting Hours	29,991	10,397	5,497	794	2,443	2,485	51,607
Hours/Bird	3.37	9.12	4.95	3.85	128.58	4.01	4.31
Hours/Hunter-Trip	6.58	4.86	4.49	4.14	4.46	3.94	5.56

MISCELLANEOUS (NO CHARGE) PERMITS

Type	Number
Scientific Collecting Permit	25
Field Trial Permit	5
Permit for Entry on Bird Sanctuaries	28
Permit to Keep Birds in Captivity	11
Permit to Take and Destroy Birds or Mammals Causing Damage to Crops or Constituting a Nuisance	61
Permits to Harvest Greenery for Personal Use	954
Hiking/Camping Permits (Oahu only)	432
Total	1,516

OUTSIDE MONEY RECEIVED

Source	Amount
Forest Product Sales	\$ 34,128
Hunting License Sales	85,351
Other Minor Miscellaneous Sales, Rental and Charges	571
Federal Assistance:	
Cooperative Forestry Assistance Act	169,723
Emergency Watershed Protection (Hurricane Iwa)	35,882
Pittman-Robertson Wildlife Restoration	396,105
Others: Recovery of Indirect Cost	114,887
Refund of Prior Year's Expenditure	42,741
Total	\$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 statewide recreation planning program. Basic activities relating to these functions are divided among three programs of the State's budgeting system: Historic and Archaeological Places, Parks Recreation and General Administration for Culture and Recreation.

HISTORIC AND ARCHAEOLOGIC PROGRAM

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

Park Planning and Development

Phase III of the chapel restoration at Royal Mausoleum State Monument, Oahu, was completed. The restoration included grouting work on interior coral walls, and dismantling the roof and roof structure. Phase IV, the restoration of the roof and work on the interior woodwork, was initiated. In addition, the boundary wall, which collapsed after a storm in January 1982, was reconstructed.

At Iolani Palace State Monument, Oahu, the coronation bandstand was refurbished, and restoration of the gates and fencing were nearing completion. This represents the tenth phase in the restoration of Iolani Palace and environs.



At Iolani Palace State Monument, Oahu, the coronation bandstand was restored, and the gates and fencing were nearing completion.

Puu o Mahuka Heiau State Monument was provided with an all-weather vehicular road with the reconstruction of the 4,200 linear foot park roadway. Prior to this improvement, drivers were warned to proceed at their own risk. Also reconstructed was a 9-stall parking lot.

Historic Preservation Grants-in-Aid

During the fiscal year, \$685,052 in grants-in-aid, including \$214,181 in Federal monies, were allocated to 13 historic preservation projects. The historic preservation

grants-in-aid program is used to preserve historic properties owned by the State and the private sector.

The major accomplishment through the historic preservation grants-in-aid program was the restoration and refurbishment of Hale Pa'i, the "Old Printing House" which published Hawaiian textbooks and the Islands' first newspapers. Hale Pa'i, located on the Lahainaluna campus on Maui, is considered one of the most significant structures associated with the missionary history in the islands. The two-year restoration and refurbishment project was carried out by the Lahaina Restoration Foundation. Under a State revocable permit, Hale Pa'i is now being managed by the Lahaina Restoration Foundation as a museum. It includes a working model of the original press and a collection of early printing.

Other historic preservation projects that received grants-in-aid and were also completed during the fiscal year consisted of phase II restoration of the W.H. Shipman residence, and the restoration of a caretaker's cottage and the construction of a multipurpose building at Hulihee Palace, both on Hawaii; the stabilization of R.W. Meyer sugar mill on Molokai; the fencing of Kawaiahao church, the phase III furnishing of Iolani Palace, the restoration of Wakamiya Inari shrine, the exterior restoration of the Armed Services YMCA, the American Institute of Architects oral history project, and the restoration of the Tang Sing Building, all on Oahu; the restoration of Seto building on Kauai; and the photographing of historic buildings throughout the state. Funds were also granted to the Hawaii Railway Society for the restoration of the railway line from Waipahu to the leeward coast.

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

The private lands at Puu Olai, Makena, Maui were acquired for \$4.7 million through a negotiated settlement. These 87.8 acres and the adjacent 14.8 acres of State-owned lands will be added to the existing park lands to form the basis for the initial development of the proposed Makena State Park.

Planning and Development

Planning and development projects were undertaken for over 20 state parks. Eleven of these projects were completed during the fiscal period.

The two major accomplishments were the development of an additional 17 acres at Sand Island State Recreation Area, and the initial development of Kakaako Waterfront State Recreation Area, both on Oahu. Major improvements at Sand Island State Recreation Area included a paved roadway, two parking lots with a total of 120 parking stalls, landscaping and irrigation systems. The first phase development of Kakaako Waterfront State Recreation Area included the grassing of 1.5 acres, and the construction of a 50-stall paved parking lot, a comfort station and perimeter fencing.



The first phase development of Kakaako Waterfront State Recreation Area was completed during the fiscal year. The waterfront park is envisioned to eventually dominate the Kewalo-Fort Armstrong Peninsula and provide outdoor recreation opportunities for residents of urban Honolulu.

The waterfront park is envisioned to eventually dominate the Kewalo-Fort Armstrong peninsula and provide outdoor recreation opportunities for residents of urban Honolulu.

Other accomplishments included the installation of safety railings on portions of the scenic footpath at Akaka Falls State Park, Hawaii; the reconstruction of the summit trail at Diamond Head State Monument, Oahu; the upgrading of the sewage systems and drainage improvements at Hapuna Beach State Recreation Area, Hawaii; the construction of a larger and less intrusive comfort station at Iao Valley State Park, Maui; the construction of a bridge and a storage enclosure, and paving of the roadway at Kahana Valley State Park, Oahu; the construction of a comfort station at the Makiki Environmental Education Center in Makiki Valley, Oahu; the revision of the management plan for Na Pali Coast State Park, Kauai; the reconstruction of the lookout and parking lot at Opaekaa Falls Lookout, Wailua River State Park, Kauai; and the renovation of the canoe shed maintenance building at Wailoa River State Recreation Area, Hawaii.

Repairs and Maintenance

Operating budget projects included most repairs and maintenance (R&M) projects with costs in excess of \$4,000 of which design and inspection services were required. Ten R&M projects were programmed of which two were completed. The completed projects were the reconstruction of the roadway and parking lot at Waahila Ridge State Recreation Area, Oahu, and the replacement of the water turbine pump at Waimea Canyon State Park, Kauai.



Hurricane Iwa inflicted an estimated \$1.2 million damages to state parks on Kauai and Oahu. Most of the damages were caused by fallen trees, such as here at Kaiaka State Recreation Area, Oahu, and by high surf.

Hurricane Iwa disrupted the normal R&M program after November 1982, as funds were shifted to emergency repairs and debris clearing projects. Hurricane Iwa inflicted an estimated \$1.2 million damages to state parks on Kauai and Oahu. On Kauai, major damages were inflicted to Waimea State Recreation Pier, Kokee State Park and Wailua River State Park. Oahu state parks that had extensive damages included Malaekahana State Recreation Area, Sand Island State Recreation Area, Waimanalo Bay State Recreation Area and Aina Moana State Recreation Area. By the end of June 1983, \$85,000 had been spent for emergency repairs and debris clearing projects.

ADMINISTRATION FOR CULTURE AND RECREATION

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

The State Park System

Heeia Pilot Interpretive Program. The Friends of Heeia State Park, Inc. (Friends) was established as a nonprofit organization and began leasing the visitor center and exhibit hall in Heeia State Park, Oahu on September 1, 1982. The one year lease with renewal option is a pilot program to allow greater community and user group input into a park program as well as a means of developing needed interpretive programs with minimal State Parks Division operating cost.

The Friends have hired a full-time executive director to run the program and are paying for these fixed costs by renting out the visitor center for weekend private parties. To date, the Friends have held a lecture series, Hawaiian cultural workshops and a number of activities involved in improving the park grounds. A park brochure and a variety of exhibits, lectures, workshops and park improvement projects are being planned.

Park Concessions. The Kokee Lodge and housekeeping cabins at Kokee State Park, Kauai were concessioned out, and plans for the concessioning of the lodging accommodations at various Big Island state parks were initiated. The Kokee Lodge and cabin concession was awarded to Kokee Ventures, Inc. for a period of 15 years.

Statewide Recreation Planning

Land and Water Conservation Fund. During the fiscal year, Federal grants amounting to \$772,720 were approved from the Land and Water Conservation Fund (LWCF) Program for funding. The three funded projects are:

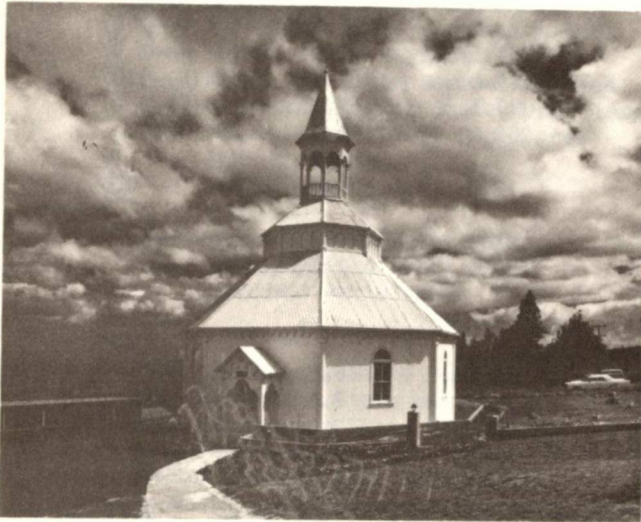
Project	Location	Grant Amount
Ulu Po Heiau State Monument Acquisition	Oahu	\$244,920
Kuliouou Neighborhood Park	Oahu	\$176,800
Waiau District Park	Oahu	\$351,000

Since the LWCF Program was initiated in Hawaii in 1965, \$26.7 million in matching Federal funds have been approved for State and County outdoor recreation projects located throughout the State.

SBA Grants for Park Projects. Federal grants amounting to \$139,000 were received from the U.S. Small Business Administration (SBA) for Hawaii's Parks and Recreation Development Program, under the Jobs Bill Act, Public Law 98-8. Under the terms of the Act, the grants were to be used to involve small businesses in providing jobs during a time of high unemployment and to accomplish benefits of lasting value. The Federal grants were awarded to State and County projects located on Hawaii, Maui, Oahu and Kauai.

Historic Preservation

Historic Sites Survey and Registration. Seventeen sites were placed on the State Register of Historic Places. These sites are: The Chinese Tong houses of Maui Island; Holy Ghost Catholic Church, Maui; Kawela archaeological district, Molokai; Kiholo-Puako Trail, Hawaii; Kohala Foreign Church, Hawaii; Kahikolu Church, Hawaii; Puako Petroglyph archaeological district, Hawaii; Kilauea School, Kauai; Haraguchi rice mill, Kauai; Opaekaa Bridge, Kauai; Dr. Sinclair residence, Oahu; Marigold building, Oahu; Kaneohe Ranch building, Oahu; USS Bowfin, Oahu; Podmore building, Oahu; and Fort Ruger historic district, Oahu; and Grace Cook residence, Oahu.



The Holy Ghost Catholic Church, Maui; was placed on the Hawaii Register of Historic Places on April 29, 1983. The church is the only octagonally shaped building in Hawaii to date from the nineteenth century. Built c. 1894 by Father James Beissel the building is significant for its close associations with the Portuguese community on Maui.



The Puako Petroglyph Archaeological District, Hawaii Island; was placed on the Hawaii Register of Historic Places on November 19, 1982. The site was also placed on the National Register of Historic Places on April 8, 1983. The Archaeological district covers 242 acres and contains hundreds of figures such as the one shown above.



Kilauea School, Kauai; was placed on the Hawaii Register of Historic Places on April 29, 1983. The school was founded in 1882 and thus just recently held its centennial celebration.

All sites placed on the Hawaii Register of Historic Places were recommended to be sent to the National Register of Historic Places for their evaluation. Eight of these sites have recently been placed on the National Register with the remaining sites still in process.

Utilizing federal historic grants-in-aid funding for the survey and inventory of historic properties, three projects were recently completed. The Waikiki Residents Association completed a survey of Waikiki, Nuuanu and Tantalus areas. The Hart Wood Foundation completed an inventory of the architect, Hart Wood's properties in the State of Hawaii. The Historic American Building Survey (HABS) recorded and drew the Grove Farm homestead on Kauai. The Historic American Engineering Record (HAER) recorded the Haraguchi rice mill in Hanalei, Kauai.

Preservation Reviews. One of the most time consuming activities of this program is the mandatory review of proposals for public or private developments that might affect historic properties. Approximately 75% of these reviews involve archaeological sites. A total 737 reviews were processed in the last year; 466 were made on the State level and 271 were made on the Federal level.

A total of 150 building permits were reviewed for projects involving historic properties. A new program for Federal income tax incentive credits also led to the review of eight different properties in the Chinatown historic district.

A total of 420 public assistance calls were taken on the telephone or in person by office staff members.

This portion of the annual report is intended to meet the requirements of Chapter 6E, Hawaii Revised Statutes.

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1982-83

HISTORICAL AND ARCHAEOLOGICAL PLACES

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
HAWAII					
F-13	Kamehameha I Birthsite State Monument	1978	.5	.5	--- 9/
F-14	Kealahou Bay State Historical Park (Kaawaloa Reserve Area)	1967 (---)	154.5 (147.0)	2.0 (---)	--- 9/ (---) 10/
	(Napoopoo Area)	(1980)	(7.5)	(2.0)	(---) 9/
F-13	Lapakahi State Historical Park	1973	262.0	53.3	65
F-13	Mookini Heiau State Monument	1979	3.2	3.2	--- 9/
H-18	Kamoa Pt. State Historical Park	1980	12.0	---	--- 10/
MAUI					
F-21	Halekii-Pihana Heiaus State Monument	1962	10.2	1.0	44
OAHU					
F-11	Iolani Palace State Monument	1967	11.0	6.5	61
F-23	Puu o Mahuka State Monument	1962	4.0	3.5	14
F-15	Royal Mausoleum State Monument (Kapeua Falls Reserve Area)	1968 (---)	10.0 (---)	3.0 (---)	79 (---)
	(Royal Mausoleum Area)	(1968)	(---)	(---)	(---)
F-24	Ulu Po Heiau State Monument	1954	1.4	1.2	3
KAUAI					
F-12	Russian Fort Elizabeth State Historical Park	1972	17.3	10.0	426
Total Parks.....		11	486.1	84.2	692
OAHU:					
H-21	DAV Keehi Lagoon Memorial	1981	11.1 5/	11.1 5/	--- 9/
H-12	Kamehameha V Post Office	1977	.3 5/	.3 5/	6
F-18	State Capitol Grounds	1969	10.0 5/	5.0	--- 10/
F-25	Washington Place	1966	3.1	3.0	--- 10/
Total Other Areas of State Park Interests.....		4	24.5	19.4	6
TOTAL HISTORICAL & ARCHAEOLOGICAL PLACES.....		15	510.6	103.6	698

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1982-83

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	600
F-75	Hapuna Beach State Recreation Area	1967	300.0 3/	26.8	943
F-65	Kalapana State Wayside	1974	3.3	---	--- 9/
F-33	Kalopa State Recreation Area	1967	100.0 3/	16.2	76
F-36	Kealahakua Bay State Underwater Park	1971	315.0	---	--- 9/
F-66	Kilauea State Recreation Area	1966	7.0 3/	1.0	--- 9/
F-34	Lava Tree State Monument	1956	17.1	10.0	93
F-77	MacKenzie State Recreation Area	1955	13.1	6.0	86
F-69	Manuka State Wayside	1952	13.4	8.0	76
F-64	Mauna Kea State Recreation Area	1962	700.0 3/	17.0	141
H-47	Old Kona Airport State Recr. Area	1976	119.6	20.4	474
F-58	Wailoa River State Recr. Area	1954	149.7	115.0	555
	(Wailoa Center)	(----)	(---)	(---)	(47)
	(Happiness Garden)	(----)	(2.3)	(---)	(110)
	(Wailoa)	(----)	(---)	(---)	(398)
F-33	Wailuku River State Park	1967	81.0 3/	25.0	614
	(Boiling Pots Area)	(----)	(71.0)	(20.0)	(107)
	(Rainbow Falls Area)	(----)	(10.0)	(5.0)	(507)
MAUI					
F-32	Iao Valley State Park	1961	6.2	5.9	756
F-59	Kaunahina State Wayside	1952	7.8	2.0	483
F-81	Launiupoko State Wayside	1965	5.7	5.7	379
F-73	Makena State Park	1971	102.6	---	--- 9/
F-87	Papalaua State Wayside	1975	6.7 5/	6.7	65
F-67	Polipoli Springs State Recr. Area	1957	2.0 3/	1.0	11
F-59	Puaa Kaa State Wayside	1954	5.0 3/	1.5	465
F-81	Wahikuli State Wayside	1969	7.8	7.8	515
F-55	Wai'anapanapa State Park	1966	120.0 5/	18.0	239
F-59	Wailua Valley State Wayside	1952	1.5	.5	414
MOLOKAI					
F-60	Palaau State Park	1955	233.7	10.0	180
OAHU					
F-83	Aiea Bay State Recreation Area	1981	10.0 5/	---	--- 10/
F-85	Aina Moana State Recreation Area (Magic Island)	1970	42.7	42.7	575
F-37	Diamond Head State Monument	1962	475.0 4/	8.0	52
F-38	Hanauma Bay State Underwater Park	1969	101.0	---	--- 9/
F-27	Heeiea State Park	1977	18.4	8.0	179
F-97	Honolulu Stadium State Recr. Area	1978	9.2	9.2	49
F-72	Kaena Point State Park	1978	661.7 3/	25.0	162
	(Keawaula Area)	(1978)	(25.0)	(25.0)	(---)
	(Makua Area)	(----)	(---)	(---)	(---)
	(Windward Area)	(----)	(---)	(---)	(---)
F-57	Kahana Valley State Park	1970	5,093.2	20.0	47
F-88	Kaiaka State Recreation Area	1975	52.8	30.0	121
H-73	Kakaako Waterfront State Recr. Area	1978	3.0	3.0	--- 9/
F-48	Keaiwa Heiau State Recr. Area	1955	384.5	22.0	301
H-70	Malaekahana State Recreation Area	1977	110.0	40.0	234 12/
	(Kahuku Area)	(----)	(36.0)	(---)	(---)
	(Kalanai Point Area)	(1977)	(74.0)	(40.0)	(---)

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1982-83

PARKS RECREATION

Project	Name	Year 7/ Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
F-30	Nuuanu Pali State Wayside	1964	5.0 3/	2.5	905
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	37
F-70	Sand Island State Recreation Area	1970	140.0	83.0	729 15/
----	Sans Souci State Recreation Area	1969	1.0	1.0	116
F-61	Waahila Ridge State Recr. Area	1967	49.9	7.0	69
F-50	Wahiawa Freshwater State Recr. Area	1978	66.0 3/	5.0	121
F-71	Waimanalo Bay State Recr. Area	1970	74.8	36.0	144
H-29	Waimano Gulch State Park Reserve	1980	35.6 5/	---	--- 10/
KAUAI					
F-09	Ahukini State Recreation Pier	1978	1.0 5/	1.0	50
F-74	Haena State Park	1973	61.0	2.0	501
F-46	Kokee State Park	1952	4,345.0	55.0	835 13/
F-80	Na Pali Coast State Park	1962	1,337.4	4.0	43
F-78	Polihi State Park	1967	140.0 3/	50.0	186
F-52	Wahiawa Mauka State Park Reserve	1968	52.3	---	--- 10/
F-54	Wailua River State Park	1920	1,133.4	77.1	2,743
	(Fern Grotto Area)	(1954)	(14.6)	(14.6)	(692)
	(Lydgate Area)	(1954)	(45.8)	(45.8)	(454)
	(Kaunualii Area)	(1962)	(3.9)	(3.9)	(73)
	(Marina Area)	(1962)	(11.4)	(11.4)	(486)
	(Poliahu Area)	(1920)	(162.2)	(1.4)	(369)
	(Wailua River Reserve Area)	(1956)	(895.5) 5/	(---)	(669)
F-39	Waimea Canyon State Park	1952	1,800.0 5/	10.0	984
F-82	Waimea State Recreation Pier	1974	1.3 6/	.2	12 14/
Total Parks		54	20,013.0	874.2	16,548
OAHU					
F-92	Kahala Heights	1979	28.0	---	--- 10/
H-62	Keehi Lagoon Landfill	1981	10.2 5/	---	--- 10/
F-51	Lower Makiki	1979	.8	.8	--- 9/
F-51	Makiki Environmental Educ. Center	1981	1.0	1.0	--- 9/
KAUAI					
H-80	Hanalei Pier	1979	.5 5/	.5 5/	---
Total Other Areas of State Park Interest.....		5	40.5	2.3	
TOTAL PARKS RECREATION.....		59	20,053.5	876.5	16,548
GRAND TOTAL.....		74	20,564.1	980.1	17,246

EXISTING STATE PARKS AND OTHER AREAS

Fiscal Year 1982-83

SUMMARY BY ISLANDS

Island	Total Established	Total Acreage	Developed Acreage	Recreation Visits 1/ (Thousands)
HAWAII.....	18	2,316.8	310.4	3,723
MAUI.....	11	275.5	50.1	3,371
MOLOKAI.....	1	233.7	10.0	180
OAHU.....	25	8,784.4	378.6	4,186 <u>13/</u>
KAUAI.....	10	8,888.7	209.3	5,780 <u>13/</u>
Total Parks.....	65	20,499.1	958.4	17,240
OAHU.....	8	64.5	21.1	6
KAUAI.....	1	.5	.5	---
Total Other Areas of State Park Interest.....	9	65.0	21.7	6
GRAND TOTAL	74	20,564.1	980.1	17,246

FOOTNOTES:

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

2/ Includes Na Laau Arboretum (9.5 acres).

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

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

5/ Acquired responsibility; acreage is estimated.

6/ No current data available - rough estimate only.

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

8/ First year of field count.

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

10/ Area is not open to public.

11/ Not applicable.

12/ Malaekahana State Recreation Area closed June 13-30, 1983 for removal of unexploded WW II bombs in surrounding waters.

13/ Oahu & Kauai Parks partially closed one to two months because of Hurricane Iwa damage.

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

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

STATE PARK AND HISTORIC SITE AREAS

Fiscal Years 1952-1983

Year 1/	Areas	Acreage 2/	Revenues	Expenditures			Estimated Recreation Visits	Operating Cost Per Visit
				Total	Capital Improvements	Operating		
1952....	5	5,422	NA	NA	NA	NA	NA	NA
1953....	7	5,500	NA	\$ 12,458	—	\$ 12,458	76,000	16.4¢
1954....	9	5,739	NA	19,469	—	19,469	79,000	24.6¢
1955....	14	5,829	NA	20,109	\$ 7,534	12,575	148,000	8.5¢
1956....	15	5,846	NA	28,914	15,812	13,102	154,000	8.5¢
1957....	16	6,138	NA	25,473	12,041	13,432	164,000	8.2¢
1958....	18	6,166	NA	16,134	2,000	14,134	239,000	5.9¢
1959....	18	6,166	NA	24,695	2,983	21,712	243,000	9.0¢
1960....	18	6,166	NA	49,445	11,896	37,549	267,000	14.1¢
1961....	18	6,166	\$ 9,337	542,905	462,347	80,558	297,000	27.1¢
1962....	21	6,410	4,557	482,150	362,474	119,676	489,000	24.5¢
1963....	23	6,410	11,684	387,918	213,154	174,764	666,000	26.2¢
1964....	22	6,412	20,433	492,666	289,482	202,184	1,196,000	16.9¢
1965....	22	7,514	21,207	860,307	664,801	195,506	1,893,000	10.3¢
1966....	27	7,514	24,428	2,256,056	1,999,232	256,824	2,710,000	9.5¢
1967....	34	7,536	34,650	1,904,582	1,584,395	320,187	3,204,000	10.0¢
1968....	36	7,541	50,905	2,365,088	1,991,749	373,339	4,767,000	7.8¢
1969....	38	8,231	83,038	2,820,857	2,341,486	479,371	6,142,000	7.8¢
1970....	41	15,584	113,552	3,283,580	2,635,823	647,757	9,520,000	6.8¢
1971....	44	15,983	151,198	3,638,211	2,859,905	778,306	13,007,000	6.0¢
1972....	46	16,000	190,165	5,592,396	4,779,141	813,255	9,798,000	8.3¢
1973....	46	16,108	226,541	2,687,296	1,906,652	780,644	13,271,000	5.9¢
1974....	53	16,629	243,039	2,294,804	1,474,636	820,168	12,907,000	6.4¢
1975....	53	18,181	282,182	15,066,142	14,129,563	936,579	12,124,000	7.7¢
1976....	55	18,577	296,656	8,433,095	6,900,347	1,532,748	14,305,000	10.7¢
1977....	58	20,151	326,252	17,728,203	16,104,420	1,623,783	18,864,000	8.6¢
1978....	64	20,295	383,234	9,039,297	7,038,675	2,000,622	15,966,000	12.5¢
1979....	65	20,625	547,895	11,291,090	9,031,384	2,259,706	17,911,000	12.6¢
1980....	66	20,637	544,524	19,224,053	16,645,273	2,578,780	17,169,000	15.0¢
1981....	71	20,836	738,143	19,714,919	15,617,140	4,097,779	15,062,000	27.2¢
1982....	72	20,885	678,049	7,188,343	3,611,400	3,576,943	18,111,000	19.8¢
1983....	74	20,564	668,5973/	8,545,395	4,627,714	3,917,681	17,246,0004/	22.7¢

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.

Refer to the CAPITAL IMPROVEMENT EXPENDITURES table footnotes for corrections to page 54 of 1981-82 Annual Report.

STATE PARK REVENUES AND EXPENDITURES

Fiscal Year 1982-83

Island	Revenues <u>3/</u>	Expenditures			Operating Cost Per Visit
		Total	Capital Improvements	Operating	
Hawaii	\$ 68,172	\$2,199,273	\$1,520,736	\$ 678,537	18.2¢
Kahoolawe	---	---	---	---	---
Kauai	359,729	622,136	99,257	522,879 4/	9.8¢
	---	42,264f	---	42,264f 5/	
Maui	80,633	552,732	269,483	283,249	8.4¢
Molokai	---	16,340	---	16,340	9.1¢
Oahu <u>1/</u>	160,063	4,361,456	2,085,112	2,276,344 4/	56.6¢
	---	574,113f	476,045f	98,068f	---
Statewide <u>2/</u>	---	3,782	3,782	---	---
	---	173,299f	173,299f	---	---
<hr/>					
TOTAL	\$668,597	\$7,55,719	\$3,978,370	\$3,777,349	22.7¢
	---	789,676f	649,344f	140,332f	---
<hr/>					
Program					
<hr/>					
Historical & Archaeological Places	\$ 140,303	\$2,605,318	\$1,813,137	\$ 792,181	\$1.14
	---	214,181f	214,181f	---	---
Parks Recreation	528,294	4,722,176	2,161,451	2,560,725	15.7¢
	---	477,427f	435,163f	42,264f	---
General Administration for Culture and Recreation	---	428,225	3,782	424,443 1/	---
	---	98,068f	---	98,068f <u>1/</u>	---
<hr/>					
TOTAL.....	\$668,597	\$7,755,719	\$3,978,370	\$3,777,349	---
	---	789,676f	649,344f	140,332f	---

FOOTNOTES:

f Expenditure from federal grant funds.

1/ Includes Honolulu Administration Office. Includes for first time, Heritage Conservation and Recreation Service (HCRS) Office operating expenditures - \$63,224 and \$7,295 federal funds.

2/ Projects of general statewide significance.

3/ Estimated loss of revenue due to Hurricane Iwa damages is \$10,000,

4/ Includes \$83,826 State funds for Hurricane Iwa damages on Kauai and Oahu.

5/ Federal Emergency Management Agency (FEMA) funds for Hurricane Iwa damages.

Refer to the CAPITAL IMPROVEMENT EXPENDITURES table footnotes for corrections to Page 55 of 1981-82 Annual Report.

CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1982-83
(Thousands)

HISTORICAL & ARCHAEOLOGICAL PLACES

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
HAWAII						
H-20	Hawaiian Railway Society Restoration Project 2/	-----	-----	-----	\$ 23.7	\$ 23.7
H-11	Hulihee Palace 2/	-----	\$ 1.7	-----	12.5	14.2
H-18	Kamoa Point State Historical Park 2/	-----	7.1	-----	-----	7.1
F-14	Kealahakua Bay State Historical Park 2/ (Napoopoo Area)	----- (-----)	18.8 (18.8)	----- (-----)	----- (-----)	18.8 (18.8)
F-13	North Kohala State Park Complex 2/ (Lapakahi State Historical Park) (North Kohala-General)	(-----) (-----) (-----)	8.0 (5.4) (2.6)	1.2 (1.2) (-----)	263.4 (263.4) (-----)	272.6 (270.0) (2.6)
MAUI						
H-13	Hale Pa'i (Printing House) Restoration 2/	-----	2.5	-----	-----	2.5
F-21	Halekii-Pihana Heiaus State Monument 2/	-----	8.4	8.9	-----	17.3
OAHU						
F-11	Iolani Palace State Monument 2/	----- -----	2.7 -----	----- -----	427.8 40.9f	430.5 40.9f
F-23	Puu o Mahuka Heiau State Monument 2/	-----	12.1	4.8	80.2	97.1
F-15	Royal Mausoleum State Monument 2/ (Royal Mausoleum Area)	----- (-----)	2.6 (2.6)	3.9 (3.9)	526.4 (526.4)	532.9 (532.9)
F-24	Ulu Po Heiau State Monument 2/	392.4	-----	-----	-----	392.4
KAUAI						
F-12	Russian Fort Elizabeth State Historical Park 2/	-----	3.7	-----	.3	4.0
STATEWIDE						
F-10	Statewide Historic Preservation Program (Inventory/Survey/ Plan/Grants Program)	-----	6.6f	-----	166.7f	173.3f
TOTAL HISTORICAL & ARCHAEOLOGICAL PLACES						
		\$392.4 -----	\$67.6 6.6f	\$18.8 -----	\$1,334.3 207.6f	\$1,813.1 214.2f

CAPITAL IMPROVEMENT EXPENDITURES 1/

Fiscal Year 1982-83
(Thousands)

PARKS RECREATION

Project	Description	Acquisition	Research and Planning	Design	Construction	Total
HAWAII						
F-35	Akaka Falls State Park 2/	-----	\$.7	-----	\$ 19.9	\$ 20.6
F-75	Hapuna Beach State Recreation Area 2/	-----	.8	\$ 1.3	49.1	51.2
H-47	Old Kona Airport State Recreation Area 2/	-----	2.2	-----	1,118.6	1,120.8
F-58	Wailoa River State Recreation Area 2/	-----	.5	-----	15.0	15.5
MAUI						
F-59	Hana Road Waysides 2/ (Puua Kaa State Wayside)	----- (-----)	.9 (.9)	----- (-----)	138.1 (138.1)	139.0 (139.0)
F-32	Iao Valley State Park 2/	-----	1.1	2.0	98.7	101.8
F-73	Makena State Park 3/	\$ 8.9	-----	-----	-----	8.9
OAHU						
F-37	Diamond Head State Monument 2/	-----	.9	1.3	54.0	56.2
F-27	Heeia State Park 2/	4.5f	.1f	-----	-----	4.6f
F-57	Kahana Valley State Park 2/	-----	-----	-----	75.2	75.2
H-73	Kakaako Waterfront State Recreation Area 2/	-----	3.1	13.9	143.8	160.8
F-51	Makiki Environmental Education Center 2/	-----	2.1	1.5	61.8	65.4
F-72	Kaena Point State Park 2/ (Windward Area)	3.5 (3.5)	1.3 (1.3)	5.8 (5.8)	----- (-----)	10.6 (10.6)
H-70	Malaekahana State Recrea. Area 2/ (Kahuku Area)	(30.0f (30.0f)	----- (-----)	----- (-----)	----- (-----)	30.0f (30.0f)
F-83	Aiea Bay State Recr. Area 3/	2.7 2.5f	.7 -----	10.3 -----	52.7 -----	66.4 2.5f
F-70	Sand Island State Recr. Area 2/	----- -----	----- 2.9f	----- .2f	120.2 395.0f	120.2 398.1f
F-71	Waimanalo Bay State Recr. Area 2/	----- -----	----- -----	.8 -----	52.8 -----	53.6 -----
KAUAI						
H-80	Hanalei Pier 2/	-----	\$ 2.5	\$42.7	-----	\$ 45.2
F-80	Na Pali Coast State Park 2/	-----	10.7	-----	\$ 1.3	12.0
F-54	Wailua River State Park 2/ (Poliahu Area)	----- (-----)	----- (-----)	----- (-----)	37.0 (37.0)	37.0 (37.0)
F-82	Waimea State Recr. Pier 2/	\$ 1.0	-----	-----	-----	1.0
TOTAL PARKS RECREATION.....		\$16.1 37.0f	\$27.5 3.0f	\$79.6 .2f	\$2,038.2 395.0f	\$2,161.4 435.2f

STATE PARK AND HISTORIC SITE REVENUES

Fiscal Year 1982-83

GENERAL ADMINISTRATION FOR CULTURE AND RECREATION

STATEWIDE

F-02	Statewide Interpretive Planning	----	\$ 1.9	----	----	\$ 1.9
F-05	State Comprehensive Outdoor Recreation Plan	----	1.9	----	----	1.9

TOTAL GENERAL ADMINISTRATION FOR CULTURE AND RECREATION.....	----	\$ 3.8	----	----	\$ 3.8
-----------------------------------------------------------------	------	--------	------	------	--------

TOTAL ALL STATE PARK AND HISTORIC SITE AREA EXPENDITURES.....	\$408.5 37.0f	\$98.9 9.6f	\$98.4 .2f	\$3,372.5 602.6f	\$3,978.3 649.4f
------------------------------------------------------------------	------------------	----------------	---------------	---------------------	---------------------

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.

CORRECTIONS to prior year's table (1981-82 ending June 30, 1982) entitled CAPITAL IMPROVEMENT EXPENDITURES, Page 57, Acquisition column, Item F-27 Heeia State Park, due to refunds received in June, 1983 for unused court deposit in settled land acquisition suit. Change 1,295.9 to 1,125.2 (\$170,730.40 refunded) and change 181.1f to 16.2f (\$164,900 refunded). Correct as applicable capital improvement expenditures appearing on Page 53 and 55.

STATE PARK AND HISTORIC SITE REVENUES

Fiscal Year 1982-83

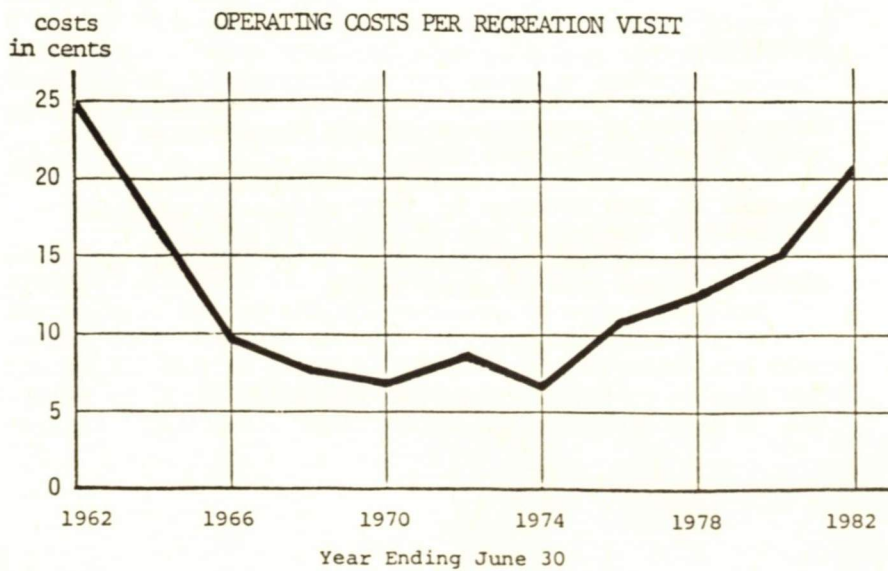
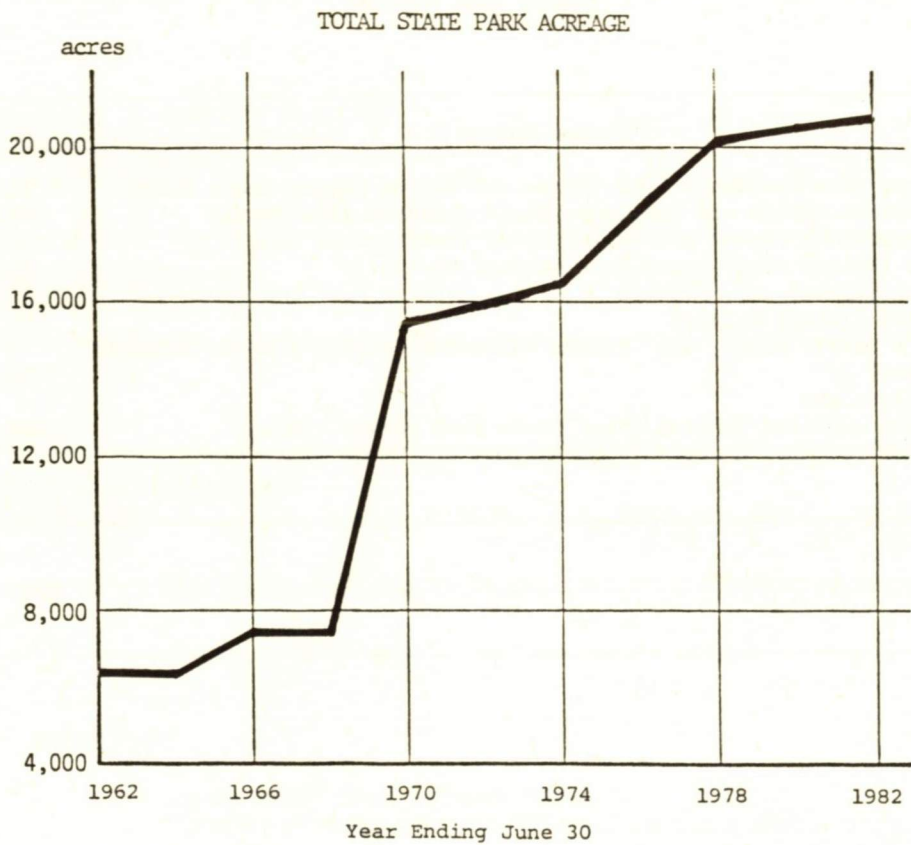
Income Source	
Rentals, recreation residence lots (Kokee and Waimea Canyon State Parks)	\$ 37,970
Rentals, vacation cabins and lodgings, State operated (all parks)	148,421
Lease of concessions (Kokee and Wailua River State Parks, Kauai) <u>2/</u>	96,527
Mooring fees (Wailua River State Park Marina, Kauai) <u>3/</u>	13,844
Sale of water (Kokee)	4,493
Admission fees (Iolani Palace)	140,303
Commissions & sales, misc., all islands (firewood, public phones, filming, photography) <u>1/</u>	20,905
Sale of publications	0
Transportation services (Wailua River State Park Marina, Kauai)	206,134
Rentals, other recreation areas (Kona Airport and Heeia State Parks)	0
<hr/>	
TOTAL.....	\$668,597

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.

2/ Kokee cabin and restaurant concession closed November 23, 1982 to March 31, 1983, because of Hurricane Iwa damages. Estimated loss of revenue is \$10,000.

3/ Mooring fees were increased in FY 1982-1983 from 40¢ to \$1.15 per foot of vessel length.



DIVISION OF WATER AND LAND DEVELOPMENT

The responsibilities of the Division of Water and Land Development are to administer the State's programs in water resources management, mineral resources, flood prevention and control, water development, irrigation services, and to provide engineering services to other department programs.

Highlight accomplishments during the 1982-83 year included drafting administrative rules to implement Act 185, Session Laws of Hawaii 1982, the State's instream use protection program; completion of the Waiehu deep monitor well on Maui; enactment of Act 296, SLH 1983, relating to designation of geothermal resource subzones by the Board of Land and Natural Resources; successfully locating new fresh water supplies by drilling exploratory wells at Kapaa on Kauai and Waialae Nui, Manoa, and Kuliouou on Oahu; initiation of construction for the Waimanalo Agricultural Park and initiation of design for the Waimanalo Watershed Project in cooperation with the U.S. Conservation Service; initiating rehabilitation of the Puu Pulehu reservoir on Hawaii; and completion of the Makiki ditch realignment.

The Division continued on-going activities to gather basic hydrologic data and assess the availability of water resources; control ground water withdrawals from the Pearl Harbor, Honolulu, and Waialua Ground Water Control Areas; monitor geothermal well drilling in Puna, Hawaii; and provide irrigation water services at Waimanalo—Oahu, Waimea—Hawaii, and Hoolehua—Molokai.

WATER RESOURCES MANAGEMENT PROGRAM

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

Basic Hydrologic Data Collection and Water Resource Assessments

Collection and dissemination of climate related data—including rainfall, temperature, evaporation, wind, humidity, and solar radiation—continues to be a primary activity of the Division of Water and Land Development. During the year, placing rainfall records in a computer datafile was continued. Statewide summaries of temperature data were collated for publication, and a report is planned for publication in the coming year.

A study evaluating the statewide network of climate observation stations is expected to be completed during the summer of 1983.

The cooperative program with the U.S. Geological Survey (USGS) to collect surface and ground water data was continued. The program provides basic data on streamflow, ground water withdrawals, and water quality. It also includes appraisals of the State's water resources to assess their characteristics and availability. Streamflow data were collected regularly from 82 measuring stations; low flows were measured periodically on 20 streams; flood discharges were obtained from 66 crest-stage gages; ground-water levels, specific conductance, and chloride concentrations were measured at about 160 wells; and field measurements

of specific conductance, temperature, and pH were made on each visit to streamflow gaging stations. Data collected are published annually in the USGS report series, "Water Resources Data for Hawaii and Other Pacific Areas—Volume 1, Hawaii".

With the accessibility to computers for storage and analysis of streamflow data, the Division entered into a cooperative project with the U.S. Geological Survey to expand the presentation of surface water information beyond the basic data routinely published in the annual report series. The project is to develop statistical summaries of stream discharge records and tabulations of surface water quality data for all long-term stream gaging stations in the State. The project effort would culminate in a publication containing three types of data: station list and general information, data and statistical tables, and station location maps. The report would consist of seven volumes, one volume for each major island in the State. Volume 1 covering the island of Kauai was completed in the previous year, and the current year was spent in preparing Volume 2, which will present material relating to the island of Oahu. Volume 2 is scheduled for publication in late 1983.

Water Resources Planning

The State functional plan of water resources development again was the focus of planning activities for the year. The plan was resubmitted to the Legislature for adoption. Required under the Hawaii State Planning Act, the State Water Resources Development 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 draft of the functional plan was circulated and public informational meetings were held on all islands. The Legislature was adjourned in April, however, without adopting the Plan. In conformance with Governor Ariyoshi's May 1982 directive that State agencies apply the State functional plans as interim guidelines for program planning, the Division structured its planning activities upon the objectives and policies expressed in the State Water Resources Development Plan.

The Plan, along with the other functional plans required under the Act, will again be submitted to the Legislature for its consideration and adoption.

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. In previous years these waters were designated for State regulation under the Ground Water Use Act. Designation of critical ground-water basins by the Board of Land and Natural Resources establishes an administrative means to control all ground-water development and use within the basins, and subjects such activities within the basins to management scrutiny for the period of the designation. As applications for permits are received, they are recorded, reviewed in the field and office by technical personnel, and then forwarded to the Board of Land and Natural Resources for action.

The Division sought to expand the State's authority to regulate its water resources because of growing competition among water users for limited supplies. The Division prepared legislation that would, if enacted, authorize the State comprehensive control of water development statewide. It would require that permits be secured for develop-

ment of surface water as well as ground water and for waters in non-designated areas as well as in designated areas. The bill, essentially a substantive revision of the present Ground Water Use Act, was deliberated upon in past sessions of the Legislature. It will be considered again in the 1984 Legislature.

A significant bill authorizing formulation of a State Water Code emerged from the 1982 Legislature. Based on an administration-sponsored version introduced during the 1981 session, the bill created an advisory commission to develop policy recommendations for legislative consideration after a three-year study period. The Chairman of the Board of Land and Natural Resources sits as a member of the 13-member commission. The commission's work will directly address a new provision in the State Constitution relating to the State's obligation to manage and regulate its water resources properly. As the State's water agency, the Division is playing a contributory role in collecting and making available water resources information for the commission.



Waihee Stream. Collecting data.

Protection of Instream Uses

Protection of instream uses of water received much attention during the year culminating in the publication of the Windward Oahu Instream Study. The study inaugurates the Division's role in instituting measures to protect valuable stream-based resources. The objective of the study was four-fold: to inventory the area's streams and their characteristics, to identify instream features of significant value, to quantify flow needed to protect identified stream values, and to recommend measures to preserve and enhance the stream environment. Community groups were informed of the study and input solicited. Field surveys were made, and working papers were prepared for review.

The enactment of the Hawaii Instream Use Protection Act of 1982 provided substantial impetus to the emerging instream use program. The Act enables the Department of Land and Natural Resources to establish an instream use program for the windward Oahu region and to develop standards for maintaining streamflows for fishery, wildlife, recreational, aesthetic, and other identified instream uses in the area. The Act's geographical focus fortunately coincides with the area covered by the Windward Oahu Instream Study. This will facilitate the Department's commitment to develop an instream use program.

In spite of the auspicious start, findings to date indicate that much needs to be accomplished yet to quantify flows for instream uses before standards for their maintenance can be promulgated. A major focus was the preparation of administrative rules to implement the Act. The draft rules are currently undergoing review, and public hearings to afford interested parties the opportunity to present their views and recommendations are scheduled before final rules

are adopted in the fall of 1983.

Administration of Soil and Water Conservation Districts

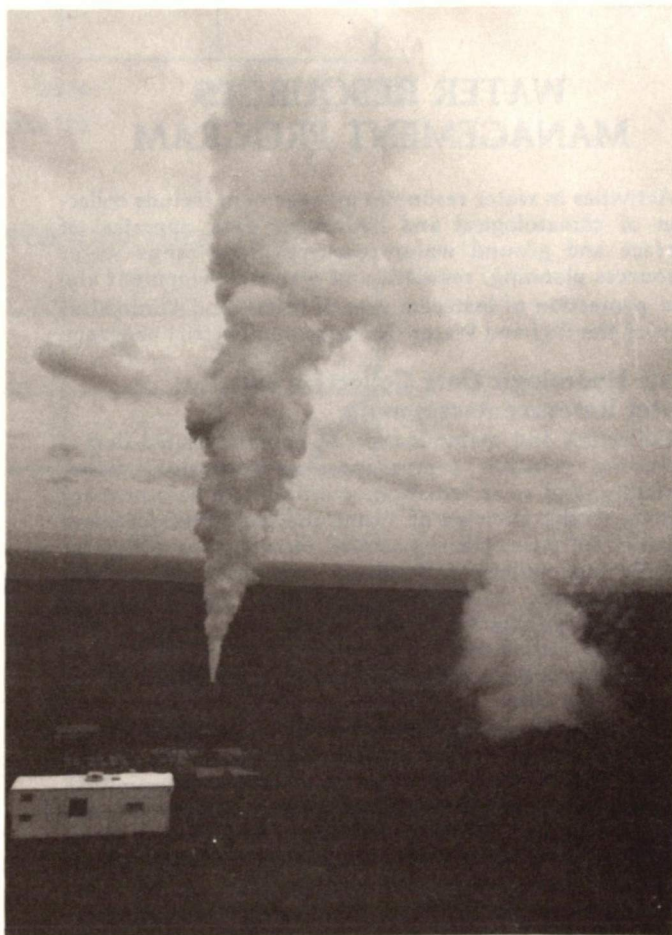
The Division continues to provide administrative services to the fifteen Soil and Water Conservation Districts in the State. Each district is governed by five directors who plan and establish cooperative action programs for conservation, development, and management of soil and water resources within the respective districts. Requests for the development of conservation plans are received by the districts from individual land occupiers, priorities are set, and the U.S. Soil Conservation Service is requested to develop the conservation plans. The Districts have been actively discussing the priorities established in the report, "Hawaii Soil and Water Conservation Program", and has reestablished district, islandwide, and statewide priorities.

MINERAL RESOURCES PROGRAM

Activities of the Mineral Resources Program focused on newly discovered geothermal resources on the island of Hawaii and on conserving and enhancing the State's supply of mineral resources.

Regulation of Geothermal Well Drilling

The Department administers State laws and rules concerning the development of geothermal resources. During the year a permit was issued to Barnwell Corporation for Lanipuna No. 1 for re-drilling and testing. The drilling permits for Kapoho State No. 1 and Kapoho State No. 2 were both extended for completion of the testing phase of the exploratory well drilling program. Field inspec-



Testing a geothermal well.

tions were conducted at all the well sites to ensure compliance with regulatory requirements. Staff participated in the inspection of the uncontrolled flow of Kapoho State No. 1 in October 1982. Activities at Kapoho State No. 1 and No. 2 wells, Lanipuna Well No. 1, and the experimental HGP-A well continued to be monitored during the year.

In 1983, the Legislature passed and the Governor signed into law Act 296, relating to the designation of geothermal resource subzones. The purpose of the Act is to provide a policy that will assist in the location of geothermal development in areas having the least environmental impact. The Board of Land and Natural Resources has the responsibility for designating geothermal resource subzones in each of the four land use districts, based on an assessment of potential geothermal resources.

Inventory of Mineral Production

As in past years, the Department canvassed mineral producers in the State and maintained an up-to-date inventory of mineral resources and mining activities in the State. Field inspections were made of various rock and cinder quarries. Requests for information, technical data, and rock samples were handled on a routine basis. The Department maintains technical capability and a store of knowledge on Hawaii's mineral and geothermal resources.

FLOOD PREVENTION AND CONTROL PROGRAM

Activities of the flood prevention and control program include managing the use of flood plains, coordination of flood prevention and control projects, and a statewide dam safety inspection program.

Flood Plain Management

The State's flood prevention and control program has been augmented by Federal Emergency Management Agency's (FEMA) grants in developing a flood hazard mitigation program. The Department recently completed a publication titled "National Flood Insurance Program in Hawaii". The publication is to assist State and County officials in administering the National Flood Insurance Program and to aid in the development of sound flood plain management policies and procedures. Flood hazard areas on all counties have 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.

Updating of the State's Flood Control Plan and Flood Prevention Plan were initiated during the year with FEMA support. Completion is expected in late 1983.

Coordination of Flood Control Projects

The implementation of Federal, State, and County flood control projects in Hawaii is coordinated under this program. Flood damages and stream maintenance problems are monitored and investigated. Flood damage assessments were provided for major flood disasters, and reports were published for project justification.

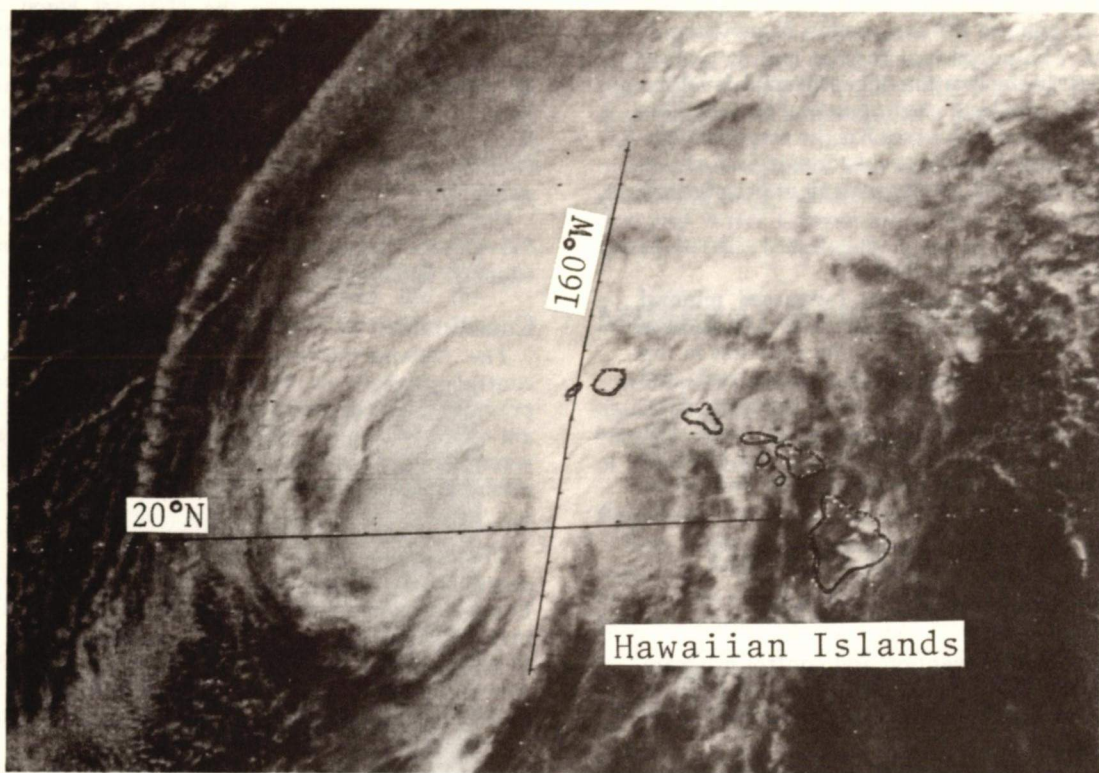
Dam Safety Inspection

The State's dam safety inspection program was coordinated by the Division. The U.S. Army Corps of Engineers completed the federal program in Hawaii by investigating 120 dams and reservoirs in Hawaii. Legislation to establish a State dam safety program was introduced in past sessions of the Legislature to carry on the federally initiated program for Hawaii and is expected to be considered in the 1984 Legislature.

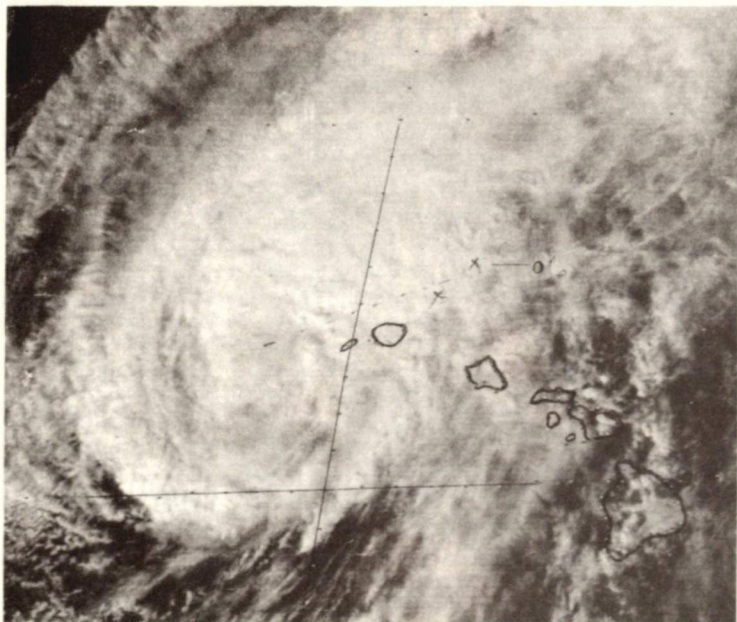


Governor Ariyoshi inspecting hurricane damages. (Photo by Honolulu Advertiser).

Hurricane Iwa



November 23, 1982
9:45 a.m.



November 23, 1982
2:15 p.m.

Photos courtesy of
National Weather Service.



Before: Normal sea level. Low wind speed. Beach walkway intact.
(Photo by Richard Honey)

Surge



Later: Sea level has risen (surge). High wind speed (note trees). Walkway and stairs are gone.
(Photo by Richard Honey)



North Shore, Kauai.
Wind damaged trees.

Photos courtesy of the
National Weather Service.



Poipu, Kauai.
Washed out road.

IRRIGATION SERVICES PROGRAM

Waimanalo Irrigation System

The Waimanalo irrigation system services 108 small farm units and the University of Hawaii's agricultural research farm. A total of 974 acres of State and privately owned lands were serviced.

Total water consumption for the year was 122,622,965 gallons compared to 102,242,717 gallons for the previous year. A total of 2,692 water requests were processed during the year. An increase of 10,380,248 gallons was attributed to less rainfall during the year. Rainfall in the Waimanalo farm area measured 46.74 inches for the year compared to 76.99 inches in the previous year.

The agricultural lands are involved primarily in diversified production of truck and orchard crops, flowers and foliage, poultry and egg production, and dairy and swine operations.

Planning directed toward the solution of water resource problems is being continued in Maunawili Valley to improve and upgrade the irrigation collection and supply system. Also, the Waimanalo agricultural park, Phase I, is under construction and upon completion will be serviced by the Waimanalo irrigation system.

Waimea Irrigation System

Once again the Waimea irrigation system was faced with drought conditions in January, February, and March 1983. Rainfall at the Alakahi intake for the three months were only 11.76 inches. With this meager rainfall and no water inflow into the Waimea reservoir, emergency measures were taken by installing a portable pump at Puu Pulehu reservoir and pumping water into the Waimea reservoir. Strict water restrictions were imposed on the farmers served by the Waimea irrigation system.

The Waimea irrigation system services farm lots in the Lalamilo, Puukapu and Hawaiian Homes sections. These three sections cover a total of 1,232 acres. The cultivated acres are in truck crop farming and greenhouse flower production.

The Lalamilo section has 278 acres under cultivation for vegetable and greenhouse flower production using 273.5 million gallons of water during the fiscal year. A pressure regulating valve unit was installed at Lalamilo to serve the Lalamilo section with pressurized irrigation water. Total rainfall at the Lalamilo field office during the three months drought period were 0.55 inch as compared to 20.26 inches during the same period in 1982. Due to this drought condition, there was a decrease in crop production. As an example, production of Chinese cabbage decreased by 49.5% for the months of May and June 1983.

The Puukapu section has 92 cultivated acres for truck crop production and used 36.1 million gallons of water. This section had a total rainfall of 42.23 inches. During the three months of drought, the monthly average rainfall was 1.04 inches as compared to the previous year's monthly average of 3.50 inches.

In the Hawaiian Homes section, there were four more consumers and nine more acres in cultivation. With 96 acres under cultivation, the twenty-one consumers used 24.8 million gallons of water. The climatic conditions are similar to that of Puukapu.

Molokai Irrigation System

The Molokai irrigation system has a total of 3,763 acres under cultivation, and shows a slight increase in diversified crops acreage. Pineapple (3,027 acs.) is still the principal crop, although it is scheduled to phase out in the year 1985.

Diversified crops such as sweet potato, bell pepper, bush beans, eggplant, squash, onion (bulbs and green), and dry land taro, showed a slight increase over previous years. The

watermelon farmers have shipped out in excess of 500,000 pounds to Honolulu and Maui. The corn seed operation is doing well and is in the process of getting more available acreage in the Palaau and Kualapuu areas. Orchard, plant nursery, and ornamental plants show a slight increase in acreage used.

Improvement to the system included installation of two 16-inch strainers at the Kaulapuu Reservoir outlet to strain out fish, scales, shells, limu, and cinder silt. Improvements to the intake structures in Waikolu Valley were also made during the past year.

ENGINEERING SERVICES PROGRAM

Under the Engineering Services Program, the Division administered various projects including development of agricultural parks, a hydropower study and rehabilitation of a seawall.

Agricultural Parks

The State Water Resources Development Plan interacts and complements the State Agriculture Plan by calling for adequate sources of irrigation water for planned agricultural parks throughout the State.

The Agricultural Park Program since its inception in 1974 has made available 1,224 acres of State lands at Pahoa, Panaewa, and Ke-ahole, Hawaii, to qualified farmers.

Construction of the Waimanalo agricultural park, Phase I, which will develop 14 lots ranging in size from 5.6 acres to 10.7 acres is well underway and is estimated to be completed in June, 1984. Prospective farmers will use the land for diversified agriculture and nursery.

The planning and design of the Maunawili ditch improvement project have been initiated and the project is scheduled to be advertised in April 1984. The project calls for repairing, reconstructing and rehabilitating the collection and conveyance system in Maunawili Valley to reduce the loss of irrigation water from leaks and seepages. Recovery of the flow will enable expansion of agricultural activities in Waimanalo Valley.

The Department of Land and Natural Resources, the Windward Oahu Soil and Water Conservation District and the U. S. Department of Agriculture - Soil Conservation Service (SCS) have entered into a watershed agreement authorizing federal assistance for improvements of facilities in the Waimanalo watershed. The plan calls for the construction of a 60 M.G. (million gallons) open reservoir, a pressure pipeline system, two solid waste collection sites and a separate irrigation system to utilize treated sewage effluent from the Waimanalo sewage treatment plant. The SCS is designing and preparing construction plans for the first phase of the Waimanalo watershed project which involves the construction of one of the solid waste collection sites.

Completion of the Waimanalo watershed project and the Maunawili ditch improvement project will provide a more efficient irrigation system to serve existing and planned farm lots in Waimanalo.

Construction will soon commence on the rehabilitation of Puu Pulehu reservoir and installation of pump, pipeline and appurtenances to integrate the Puu Pulehu reservoir into the Waimea irrigation system. With the additional storage, farmers will be able to sustain through longer periods of drought without incurring heavy losses to their crops.

The design for the development of the Kamaileunu Ridge well in Waianae Valley is continuing and the project is scheduled to be advertised in March, 1984. The well will be connected to the Honolulu Board of Water Supply System and will serve the proposed Waianae agricultural park and other agricultural lots in Waianae Valley.

Land Development

Cracked and broken sections of the seawall-walkway along the Halekulani Hotel were replaced with a new concrete walkway and pipe railing. The improvement corrected a potentially hazardous condition and made the heavily used seawall-walkway safer for pedestrian traffic.

The Makiki ditch realignment project, which calls for the rerouting of a section of Makiki Ditch along Makiki Street between Nehoa and Dominis Streets, is nearly completed. The realigned ditch will replace a section of the existing ditch which had collapsed and created a hazard to residents and structures. The project also calls for backfilling the abandoned portion of the ditch.

Hydropower Development

One of the objectives of the State Water Resources Development Plan is to encourage and coordinate with other water programs the development of self-supplied industrial water and production of water-based energy. The Department is conducting a jointly funded study with Amfac, Inc. to determine the feasibility of constructing a dam in the Kokee area to develop hydropower and irrigation water for sugarcane. The study will examine the economic, engineering, environmental and social aspect of the project.

WATER DEVELOPMENT PROGRAM

Projects undertaken in this program involved exploration for water sources; drilling of a monitor well, replacement of an existing pump; and construction of appurtenant facilities for the various County water systems and State irrigation systems.

Hawaii Projects

On Hawaii installation of a pressure reducing unit on an existing 18-inch pipeline servicing the Lalamilo farm lots was completed.

Maui Projects

The drilling of a 5-inch monitor well 1,400 feet deep in Waiehu to provide data on water levels, salinities and changes in the fresh and salt water bodies of the Wailuku ground water basin is nearing completion.

Molokai Projects

On Molokai replacement of an existing pump in Waikolu Valley and installation of two 16-inch strainers on the discharge pipeline from Kualapuu Reservoir were completed.

Kauai Projects

The drilling of a 14-inch well 885 feet deep was completed in Kapaa.

Oahu Projects

On Oahu, the drilling of a 14-inch well 410 feet deep in Waialae Nui, a 14-inch well 790 feet deep in Manoa and a 12-inch well 397 feet deep in Kuliouou were completed.

IRRIGATION WATER SALES

WAIMANALO IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>1982</u>					
July	11,154,428	974.032	\$ 2,435.21	\$ 892.36	\$ 3,327.57
August	9,040,655	974.032	2,435.21	723.26	3,158.47
September	12,599,800	974.032	2,435.21	1,007.98	3,443.19
October	14,446,903	974.032	2,435.21	1,155.75	3,590.96
November	4,427,944	974.032	2,435.21	354.23	2,789.44
December	1,339,138	974.032	2,435.21	107.13	2,542.34
<u>1983</u>					
January	2,691,857	974.032	2,435.21	215.35	2,650.56
February	9,178,635	974.032	2,435.21	734.29	3,169.50
March	12,404,010	974.032	2,435.21	992.30	3,427.51
April	11,106,066	974.032	2,435.21	888.48	3,323.69
May	15,608,675	974.032	2,435.21	1,248.71	3,683.92
June	18,624,854	974.032	2,435.21	1,489.98	3,925.19
Total	122,622,965		\$29,222.52	\$9,809.82	\$39,032.34

MOLOKAI IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>1982</u>					
July	111,319,000	3,739	\$ 7,133.65	\$ 8,905.52	\$ 16,039.17
August	83,088,000	3,695	7,057.75	6,647.04	13,704.79
September	103,948,000	3,696	7,059.95	8,315.84	15,375.79
October	119,842,000	3,696	7,058.85	9,587.36	16,646.21
November	44,061,000	3,702	7,072.05	3,524.88	10,596.93
December	26,668,000	3,704	7,068.75	2,133.44	9,202.19
<u>1983</u>					
January	30,333,000	3,715	7,086.35	2,426.64	9,512.99
February	37,145,000	3,721	7,088.00	2,971.60	10,059.60
March	34,930,000	3,733	7,099.55	2,794.40	9,893.95
April	45,569,000	3,734	7,101.75	3,645.52	10,747.27
May	76,608,000	3,745	7,113.85	6,128.64	13,242.49
June	93,371,000	3,763	7,132.55	7,469.68	14,602.23
Total	806,882,000		\$85,073.05	\$64,550.56	\$149,623.61

WAIMEA IRRIGATION SYSTEM

Month	Water Sold (gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
<u>LALAMILO SECTION</u>					
1982					
July	11,947,240	277	\$ 623.25	\$ 1,261.52	\$ 1,884.77
August	20,080,005	277	623.25	1,321.59	1,944.84
September	28,414,805	277	623.25	1,815.90	2,439.15
October	33,605,245	278	625.50	2,089.31	2,714.81
November	19,258,255	278	625.50	1,297.74	1,923.24
December	11,217,975	278	625.50	794.10	1,419.60
1983					
January	21,160,730	278	625.50	1,399.70	2,025.20
February	20,125,095	278	625.50	1,346.14	1,971.64
March	12,637,245	278	625.50	833.92	1,459.42
April	20,518,150	278	625.50	1,324.21	1,949.71
May	30,194,170	278	625.50	1,922.47	2,547.97
June	37,298,165	278	625.50	2,306.88	2,932.38
Subtotal	266,457,080		\$ 7,499.25	\$17,713.48	\$25,212.73
<u>PUUKAPU SECTION</u>					
1982					
July	396,510	90	\$ 202.50	\$ 30.23	\$ 232.73
August	624,910	90	202.50	46.96	249.46
September	3,099,060	90	202.50	215.09	417.59
October	6,239,950	92	207.00	421.95	628.95
November	3,138,025	92	207.00	219.43	426.43
December	981,495	92	207.00	72.86	279.86
1983					
January	3,880,770	92	207.00	278.80	485.80
February	5,419,800	92	207.00	378.93	585.93
March	3,266,300	92	207.00	235.43	442.43
April	2,236,840	92	207.00	161.30	368.30
May	2,506,150	92	207.00	178.66	385.66
June	4,296,320	92	207.00	297.09	504.09
Subtotal	36,086,130		\$ 2,470.50	\$ 2,536.73	\$ 5,007.23
<u>HAWAIIAN HOMES SECTION</u>					
1982					
July	530,835	87	\$ 195.75	\$ 40.85	\$ 236.60
August	768,335	88	198.00	57.26	255.26
September	2,534,925	89	200.25	184.59	384.84
October	4,040,795	89	200.25	282.14	482.39
November	1,860,070	94	211.50	135.05	346.55
December	881,735	94	211.50	65.89	277.39
1983					
January	2,629,465	94	211.50	186.65	398.15
February	2,629,465	94	211.50	186.65	398.15
March	2,624,725	96	216.00	155.40	371.40
April	1,534,985	96	216.00	111.99	327.99
May	1,480,210	96	216.00	109.31	325.31
June	2,899,095	96	216.00	204.66	420.66
Subtotal	24,414,640		\$ 2,504.25	\$ 1,720.44	\$ 4,224.69
Total	326,957,850		\$12,474.00	\$21,970.65	\$34,444.65

STATUS OF CONSTRUCTION PROJECTS

Job	Description	Cost of Project	Starting Date	Completion Date	Contractor
<u>FISH AND GAME PROJECTS</u>					
7-OM-11X	Air Compressor Shelter, Wahiawa Reservoir, Wahiawa, Oahu, Hawaii	\$ 15,000.00	10/13/81	12/21/82	William Taylor, Inc.
7-OM-15	Pumphouse Replacement, Anuenue Fisheries Research Center, Kapalama, Oahu, Hawaii	24,945.00	8/30/82	5/12/83	Anderson Pacific
7-OM-16X	Security Fencing at Oceanic Institute, Waimanalo, Oahu, Hawaii	8,000.00	11/22/82	3/2/83	Railings, Inc.
<u>WATER PROJECTS</u>					
2-HW-19	Crawler Tractor and Materials for Repair to Upper Hamakua Ditch Waimea, Hawaii	33,665.00	1/27/82	12/1/82	Isemoto Contracting Co., Ltd.
2-HW-20	Pressure Reducing Unit for Waimea Irrigation System, So. Kohala, Hawaii	30,800.00	10/4/82	1/12/83	H. Harada Contractor, Inc.
3-9W-41	Replacement of Existing Pump at Waikolu Well No. 23, Molokai Irrigation System, Molokai, Hawaii	113,340.00	9/8/81	12/20/82	Roscoe Moss Company
3-9W-45	Installation of Strainers, Molokai Irrigation Project, Molokai, Hawaii	84,537.69	10/4/82	4/30/83	Friendly Isle Contracting and Equipment, Inc.
3-9W-46	Renovate Grating at Intake Structure No. 1, Waikolu Valley, Molokai, Hawaii	31,650.00	10/12/82	3/2/83	Railings, Inc.
4-OW-3	Drilling & Rehabilitation of Monitor Wells, Waipahu and Moanalua, Oahu, Hawaii	440,996.44	9/24/79	4/30/83	Water Resources International, Inc.
4-OW-9	Drilling Waialae Nui Well (1747-03), Honolulu, Oahu, Hawaii	230,250.00	10/18/82	5/17/83	Roscoe Moss Company
4-OW-18X	Waimanalo Office Addition, Waimanalo, Oahu, Hawaii	11,344.00	11/1/82	2/7/83	Walter Arakaki, Inc.
4-OW-19	Drilling Manoa II Well (1948-01) Honolulu, Oahu, Hawaii	311,910.00	9/1/82	4/20/83	Roscoe Moss Company
4-OW-21X	Irrigation Facilities Clearing and Repair, Waimanalo Irrigation System, Waimanalo, Oahu, Hawaii	13,318.00	6/22/82	8/19/82	G&E Builders, Ltd.
4-OW-23	Drilling Kuliouou Well (1843-02), Honolulu, Oahu, Hawaii	163,000.00	9/1/82	4/29/83	Roscoe Moss Company
8-HW-50	Drilling Holualoa Well (3657-01) Holualoa, North Kona, Hawaii	546,610.00	9/20/82		Water Resources International, Inc.
12-KW-18	Makaleha Well (0622-02), Kapaa Homestead, Kauai, Hawaii	289,490.00	6/28/82	7/2/83*	Roscoe Moss Company
13-KW-12	Pump, Controls, Pipeline and Storage Tank, Koloa, Kauai, Hawaii (Schedule II)	853,392.50	4/23/79	1/7/83	General Construction Company
22-HW-30	Drilling Panaewa Well No. 3 (4003-03), Waiakea, So. Hilo, Hawaii	181,674.00	10/18/82	6/28/83	M-W Drilling, Inc. dba Big Island Drilling

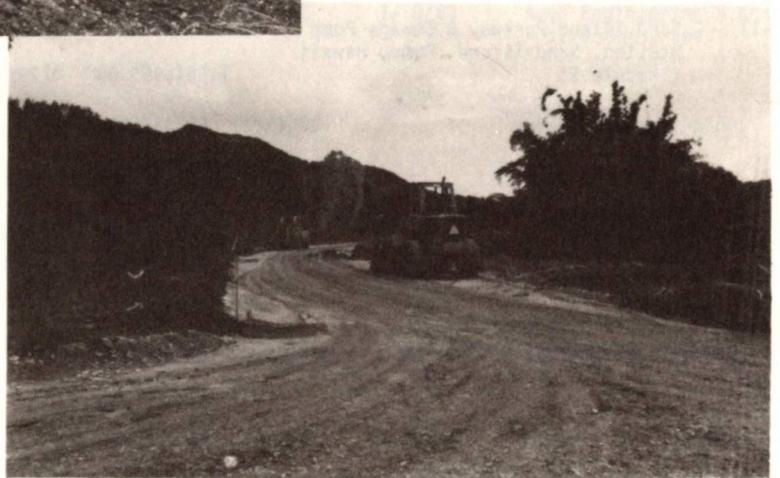
*Estimated Completion Date

Job	Description	Cost of Project	Starting Date	Completion Date	Contractor
35-MW-36	Drilling Waiehu Monitor Well (5430-05) Waiehu, Maui, Hawaii	\$ 264,580.00	5/24/82	9/20/82	Water Resources International, Inc.
48-HW-21	Lalamilo Water System, South Kohala, Hawaii	3,267,641.40	6/16/80	12/20/82	Jas. W. Glover, Ltd.
51-KW-25	Pump and Tank, Anahola Farmlot Subdivision, Anahola, Kawaihau, Kauai, Hawaii	584,998.00	11/1/82		Briant Construction
51-KW-26	Improvements to Pee Kauai Ditch, Waimea, Kauai, Hawaii	18,775.00	11/1/82	2/2/83	H. M. Construction, Inc.
<u>STATE PARKS PROJECTS</u>					
5-OP-26	Kahana Valley State Park, Phase I, Inc. 1., Kahana, Oahu, Hawaii	1,105,870.00	10/9/79	8/19/82	Ralph S. Inouye Co., Ltd.
5-OP-34	Replacement of Existing Waterline, Puu Ualakaa State Wayside, Honolulu, Oahu, Hawaii	42,581.00	6/7/82	1/10/83	Koga Engineering & Construction, Inc.
5-OP-35	Demolition and Clearing, Rainbow (Aiea) Bay State Park, Aiea, Oahu, Hawaii	65,858.00	11/1/82		Royal Contracting Co., Ltd.
5-OP-37	Trail Improvements, Diamond Head State Monument, Honolulu, Oahu, Hawaii	51,953.50	10/4/82	1/27/83	Ideal Construction, Inc.
5-OP-38	Comfort Station, Tantalus State Recreation Area, Honolulu, Oahu, Hawaii	47,125.00	10/12/82	1/28/83	Mokihana Builders
5-OP-39	CRM Wall Reconstruction, Royal Mausoleum State Monument, Honolulu, Oahu, Hawaii	24,047.40	8/30/82	1/28/83	Geo Engineering Corp.
5-OP-40	Asphalt Concrete Paving, Waahila Ridge State Recreation Area, Honolulu, Oahu, Hawaii	36,033.30	3/21/83	4/21/83	James L. K. Tom, Inc.
5-OP-41	Park Improvements, Kakaako Water-front Park, Honolulu, Oahu, Hawaii	153,417.08	1/3/83	6/8/83	C. S. Onaga Trucking, Inc.
5-OP-42	Park Security Residence, Waimanalo Bay State Recreation Area, Waimanalo, Oahu, Hawaii	150,414.62	4/18/83		Sandwich Islands Construction, Ltd.
5-OP-43	Asphalt Concrete Paving, Puu O Mahuka Heiau State Monument Pupukeya, Oahu, Hawaii	70,000.00	10/4/82	4/28/83	Site Engineering, Inc.
23-HP-20A	Park Pavilion, Kona Airport State Park, Kailua, North Kona, Hawaii	1,243,004.41	9/1/82		Constructors Hawaii, Inc.
23-HP-23	Handrails, Akaka Falls State Park Honomu, Hawaii	33,977.00	3/17/82	7/22/82	Railings, Inc.
23-HP-24	Sanitary System Improvements, Hapuna Beach State Park, Lalamilo, Hawaii	45,979.34	8/30/82	10/1/82	Jas. W. Glover, Ltd.
24-KP-19X	Pump Replacement, Waimea Canyon Lookout Area, Waimea Canyon State Park, Waimea, Kauai, Hawaii	11,775.00	8/23/82	6/27/83	Roscoe Moss Company
30-KP-37	Repainting and Termite Treatment Marina Buildings "A" and "B", Wailua River State Park, Wailua, Kauai, Hawaii	44,501.00	3/15/82	7/20/82	Fuse Painting, Inc.
30-KP-38	Asphalt Concrete Paving at Opaekaa Lookout, Wailua River State Park, Wailua, Kauai, Hawaii	37,000.00	7/19/82	9/29/82	E. F. Nilson, Inc.
36-MP-25	Comfort Station and Parking Lot, Puua Kaa State Wayside, Koolau, Maui, Hawaii	148,552.00	12/20/82		DNL Construction, Inc.

Job	Description	Cost of Project	Starting Date	Completion Date	Contractor
46-OP-20	Sand Island State Park, Phase III, Inc. 2 and Fencing, Honolulu, Oahu, Hawaii	\$ 798,574.59	4/12/82	7/15/83*	Oahu Construction Co., Ltd.
49-MP-8	Comfort Station, Iao Valley State Wayside, Wailuku, Maui, Hawaii	97,333.56	11/1/82		Service Contracting Co.
57-HP-16	Gates for Canoe Shed, Wailoa River State Park, Hilo, Hawaii	12,400.00	6/21/82	10/1/82	Railings, Inc.
<u>LAND PROJECTS</u>					
1-OL-29	Waikiki Seawall Walkway Rehabilitation, Honolulu, Oahu, Hawaii	49,650.00	4/18/83	9/1/83*	Hawaiian Dredging and Construction Co.
41-OL-31	Waimanalo Agricultural Park, Phase I Waimanalo, Koolaupoko, Oahu, Hawaii	1,475,588.60	1/26/83	7/19/84*	Royal Contracting Co., Ltd.
44-HA-3	Ke-Ahole Agricultural Park, Phase II Ke-Ahole, North Kona, Hawaii	465,922.35	2/8/82	11/10/82	Yamada & Sons, Inc.
46-OL-17	Sand Island Parkway & Sewage Pump Station, Sand Island, Oahu, Hawaii (Shecule I)	1,964,455.00	9/29/80	1/20/83	Okada Trucking Co., Ltd.
<u>FLOOD CONTROL PROJECT</u>					
9-OF-9	Makiki Stream Realignment, Honolulu, Oahu, Hawaii	509,778.90	12/6/82	11/30/83*	Highway Construction Co., Ltd.

* Estimated Contract Completion Date
X After Job No. indicates informal bid

Waimanalo Agricultural Park



DIVISION OF LAND MANAGEMENT

The Division of Land Management is charged with prudent management of State-owned land and makes such land available for public and private use in accordance with established policies and plans; manages real property of the State for which the department has custody; manages the State's public lands not in use nor set aside for use by other agencies; negotiates the acquisition and disposition of public lands through sales, lease, rent, or exchange; supervises performance and payment under terms of lease and rental agreements; maintains an inventory of all public lands; and reviews State land acquisition documents before registration or recordation and maintains a central depository of State land acquisition and disposition documents.

Land Development

Land development projects on State lands have both a short-term and a long-term impact on the State's economy. During the past several years the agricultural parks program has proven to be a prime example. Funds expended on design and construction have a substantial short-term impact on the economy. The long-term contribution results from the production and sale of crops grown on the one hundred twenty-two (122) lots in the Keahole, Panaewa and Pahoia agricultural parks.

The Waimanalo agricultural park project, Phase I, is now under construction. Completion on this project is estimated to be July, 1984. Fourteen lots varying from five to ten acres will be made available to farmers in the first quarter of the 1984-85 fiscal year. Design and construction costs total \$2,129,000.

Land Disposition

In keeping with established policy and procedure whereby State lands are made available for both public and private use, the Division of Land Management processed one hundred and fifty-four (154) dispositions including 28 executive orders, 8 sales in fee, 41 general leases and 77 revocable permits totalling 86,541 acres of land and generating \$500,283 in revenues.

A little known but important facet of the Division's activities involves the maintenance of State lands using modest funds set aside by law. Activities within this area include stream cleaning, tree trimming or removal, and demolition of dangerous structures. This portion of the land management program was very evident on Kauai in the wake of Hurricane Iwa. Felled trees had to be removed from streams and State-owned structures that had been battered beyond usefulness were demolished and removed.

Land Acquisition

The land acquisition phase of the Land Management program constitutes a very vital part of the program whereby private lands are acquired through negotiation or condemnation to fill a need that cannot be met by State lands which may be unavailable for the needed use. Two such acquisitions were completed during fiscal year 1982-83, one on Maui and one on Oahu. The Maui acquisition involving .494 acres was owned by two different parties and cost \$850,500. The project, when completed, then became a part of the Wailuku Judiciary Complex. The Oahu acquisition involving 6 acres at \$326,000 became a part of Crestview Elementary School.

Revenues

The land management program generated \$8,681,767 in revenue from all sources for fiscal year 1982-83, continuing a steady growth pattern established years ago. Of this sum, \$1,369,075 was transferred to the Office of Hawaiian Affairs (an increase of approximately \$309,000 from the previous fiscal year) and \$728,754 was transferred to the Department of Hawaiian Home Land (HHL). The transfer of funds to HHL, when added to the \$203,391 generated from land wholly-owned by HHL, but managed by the Land Management Division, totals \$932,145 an increase of \$153,491 from the previous fiscal year. The transfer to the General Fund totalled \$5,477,934, a modest increase of \$48,851 from the previous transfer.

SPECIAL LAND AND DEVELOPMENT FUND

Receipts	Actual 1982-83	Estimated 1983-84
Rentals, Leased Public Lands	\$ 641,249	\$ 650,000
Rentals, Unleased Public Lands	347,633	350,000
Sale of Wood, Rock and Sand	1,680	1,680
License, Use of Government Water	1,910	1,900
License, Use of Government Land for Specific Purposes	41,999	42,000
Interest Earned on TCD	21,289	21,000
Interest on Deferred Payments	32,526	20,000
Sale of Public Lands		
Total	\$ 1,088,286	\$ 1,086,580
Expenditures	Actual 1982-83	Estimated 1983-84
Land and Interest in Land	\$ -----	\$ -----
Structures and Permanent Improvements to Land	77,715	
Appraisal Fees	30,488	35,000
Publication of Notices Fund	3,131	5,000
Maintenance Fund	99,957	100,000
Bond Fund Repayments	534,802	496,079
Administrative Costs	29,289	35,000
Revenue to DHHL	22,276	
Total	\$ 797,658	\$ 671,079
Balance at the beginning:	\$ 620,193	\$ 910,821
Balance at end:	\$ 910,821	

SUMMARY OF DISPOSITIONS

ALL ISLANDS

Fiscal Year 1982-83

Counties	Executive Orders	Sales In Fee	General Leases	Revocable Permits	Grand Totals
Hawaii (1st Land District)					
Number	10	5	23	9	47
Area (Acres)	39,193.446	36.143	115.770	60.613	39,405.972
Price* or Annual Rent	---	\$ 16,317	\$ 10,744	\$ 10,164	\$ 32,225
Maui (2nd Land District)					
Number	3	---	---	32	35
Area (Acres)	11.522	---	---	38,751.816	38,751.816
Price* or Annual Rent	---	---	---	\$107,862	\$107,862
Oahu (3rd Land District)					
Number	8	1	1	24	34
Area (Acres)	4,505.840	.058	1.207	49.446	4,556.551
Price* or Annual Rent	---	\$ 3,300	\$ 3,000	\$158,513	\$164,813
Kauai (4th Land District)					
Number	7	2	17	12	38
Area (Acres)	3,183.298	.192	422.271	221.637	3,827.398
Price* or Annual Rent	---	\$ 90,600	\$ 78,843	\$ 20,940	\$190,383
Grand Totals					
Number	28	8	41	77	154
Area (Acres)	46,894.106	36.393	539.248	39,083.512	86,541.737
Price* or Annual Rent	---	\$110,217	\$ 92,587	\$297,479	\$500,283

PUBLIC TRUST LAND PROCEEDS

Receipts <u>1/</u>	Actual 1982-83	Estimated 1983-84
Rentals, Leased Public Lands	\$4,670,005	\$4,700,000
Rentals, Unleased Public Lands	825,358	850,000
Sale of Wood, Rock and Sand	61,260	65,000
License, Use of Government Water	338,075	340,000
License, Use of Government Land for Specific Purposes	192,466	190,000
Sale of Real Property (Includes \$38,038 Interest)	310,242	200,000
Total Receipts	\$6,397,406	\$6,345,000

Expenditures	Actual 1982-83	Estimated 1983-84
Revenue to Office of Hawaiian Affairs	\$1,369,075	\$1,400,000
Revenue to Dept. of Hawaiian Homes*	728,754	730,000
Land and Transfers	-----	-----
Transfers to General Fund	4,299,577	4,215,000
Total Transfers	\$6,397,406	\$6,345,000

1/ All Chapter 171, HRS

* Does not include \$203,391.76 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 1982-83	Estimated 1983-84
Liquidated Contract Damages		\$ -----	\$ -----
Conveyance Tax (Act 5/68)	\$.05 per 100	455	2,000
Forfeiture of Failure to Return Plans and Specifications	25.00 per plan & spec	-----	-----
Fees, Copies of Public Documents	.50 per page	1,107	1,000
Fees, Issuance of Land Patents, etc.	30.00 each	3,707	2,500
Fees, Consent to Transfers, etc.	30.00 each	1,550	1,500
Fees, Surveying Public Lands	25.00 each	2,175	2,000
Fees, Appraisal	Cost to Department but not less than 25.00 each	-----	-----
Sale of Publications		-----	-----
Sale of Improvements on Expired or Cancelled Leases		-----	-----
Cost of Managing Property for other Departments		8,726	9,000
Indemnity for Damages to Insured Property		-----	-----
Sale of Wood, Rock and Sand		-----	-----
Interest on Delinquent Accounts		-----	-----
Witness or Juror Fees		-----	-----
Sales of Equipment or other Property		-----	-----
Refund/Reimbursement		-----	-----
Transfer Balance - Sand Island Revenues		1,178,357*	1,180,000
Total		\$ 1,196,077	\$ 1,198,000

* For fiscal year 1981-82

SUMMARY OF GENERAL LEASES

ALL ISLANDS

Fiscal Year 1982-83

Use	Area (Acres)	Annual Rental	No. of Leases
Intensive agriculture use	68,105.701	\$ 1,373,954.10	232
Special livestock use	-----	-----	---
Pasture use	188,823.271	716,749.00	114
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	333.746	1,662.00	11
Watershed use	7,588.900	139,795.00	8
Residential use	166.697	51,922.00	149
Commercial and industrial use	636.954	1,995,482.36	161
Hotel, apartment and motel use	9.349	72,823.00	7
Resort use	-----	-----	---
Unclassified uses	45,639.748	696,193.16	229
Totals	311,304.366	\$ 5,048,580.62	911

SUMMARY OF GENERAL LEASES

FIRST LAND DISTRICT - ISLAND OF HAWAII

Fiscal Year 1982-83

^{1/} Use	Area (Acres)	Annual Rental	^{2/} No. of Leases
Intensive agriculture use	20,094.797	\$ 391,795.92	98
Special livestock use	-----	-----	---
Pasture use	171,132.281	630,295.00	46
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	202.128	1.00	1
Watershed use	5,845.150	8,720.00	2
Res. use	31.112	13,314.00	20
Commercial and industrial use	264.867	910,307.86	90
Hotel, apartment and motel use	3.281	23,023.00	5
Resort use	-----	-----	---
Unclass. uses	36,911.357	40,350.23	74
Totals	234,484.973	\$ 2,017,807.01	336

^{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 HAWAII

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
2480	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:13	.720	U - Com/Ind.	\$ 4,234.00
2481	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:17	.750	U - Com/Ind.	4,764.00
2610	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	6/01/39-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:16	2.950	U - Com/Ind.	26,370.00
2899	James & Miulan Y. Kealoha	12/29/41-3/14/2015	Waiakea Whse. Lots Waiakea, S. Hilo	2-1-06:13 & 15	2.160	U - Com/Ind.	9,578.00
2908	Noboru Nakagawa, Sakae Nakagawa, Susumu Nakagawa and Lawrence Takeshi Nakagawa	11/01/42-7/31/90	Waiakea, S. Hilo	2-1-15:01	50.867	U - Unclass. Fishpond	1,400.00
(L) 2964	Edward C. Hustace	3/15/41-(revocable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kalaoa-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	William C. Peters	11/18/46-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:22	.165	U - Res.	969.00
3157	Margaret McKeen	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	William J. & Anna Mehau Payne	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:33	.188	U - Res.	1,108.00
3168	HGP, Inc.	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:34	.190	U - Res.	1,120.00
3169	David V. Huggett & Eileen L. McDaniel	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:35	.190	U - Res.	1,117.00
3170	William C. Fehr-Trustee Martha H. Fehr-Trustee	9/10/47-3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-07:36	.185	U - Res.	1,087.00

GENERAL LEASES
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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
3202	Frank Ferreira	5/01/47- 11/01/2017	Lehia Park Res. Lots, S. Hilo	2-1-17:65	.425	U - Res.	\$ 50.00
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. and 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. and Motel	2,716.00
3267	Hilo Bay Hotel, Inc.	6/01/49- 3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:35	.495	U - Hotel, Apt. and 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. and Motel	4,894.00
3269	M & Associates, Inc.	6/01/49- 3/14/2015	Ocean View Lots, Waiakea, S. Hilo	2-1-05:20	.920	U - Hotel, Apt. and Motel	9,180.00
3354	Davies Hamakua Sugar Co.	1/01/52- 12/31/2008	Gov't Remainders of Papaki, Koloaha Au 1st, Hamakua	4-6-05:08	547.724	A - Int. Ag. Cane	784.00
3472	Davies Hamakua Sugar Co.	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	Pepeekeo Sugar Co.	2/01/60- 12/31/89	Kamaee-Wailua & Puuhua, N. Hilo	3-1-04:01 & 02	330.120 19.360 199.270 548.750	A - Int. Ag. Cane ROW Waste	2,971.08 19.36 19.93 3,010.37
S-3585	Pepeekeo Sugar Co.	2/01/60- 12/31/89	Honoumukua, Kaakepa & Kaupakua, 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 Sugar 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-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	Honolulu Roofing Co., Ltd.	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, Waiakea,	2-2-50:85	.258	U - Com/Ind.	6,075.00
S-3599	Big Island Builders, Inc.	1/16/61- 1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:90	.775	U - Com/Ind.	17,720.00
S-3587	Davies Hamakua Sugar Co.	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-3590	Texaco, Inc.	3/01/60- 2/28/85	Waiakea, S. Hilo	2-1-09:42	2.660	U - Com/Ind.	17,607.00
S-3591	Vetpro Inc., dba Veterans' Produce Exchange	1/16/61- 1/15/2016	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

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3593	Automotive Supply Center, Ltd.	1/16/61-1/15/2016	Kanoelehua Ind. 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-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	Allan D. Starr	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:07	.775	U - Com/Ind.	17,720.00
S-3602	Hawaii Pest Control, Inc.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:14	.364	U - Com/Ind.	8,570.00
S-3603	Harders Co., Ltd.	1/16/61-1/15/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-49:16	.293	U - Com/Ind.	4,430.00
S-3604	Walter Kiyoshi Hamai dba W.K. Hamai Repair 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. & Ind. 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. & Ind. Lots, S. Hilo	2-2-32:21	2.334	U - Com/Ind.	42,700.00
S-3612	Davies Hamakua Sugar Co.	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	Davies Hamakua Sugar Co.	2/01/61-12/31/2008	Humuula & Kahoahuna N. Hilo	3-9-01:01, 13 & 18 3-9-02:01, 07	818.593 25.090 332.390 1,176.073	A - Int. Ag. Cane ROW Waste	7,367.33 25.09 33.24 7,425.66
S-3614	Davies Hamakua Sugar Co.	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	Davies Hamakua Sugar Co.	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	Davies Hamakua Sugar Co.	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	Davies Hamakua Sugar Co.	2/01/61-12/31/2008	Kaao-Paallaea 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

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
S-3653	Andrews Trucking Service	3/20/61- 3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:81	.256	U - Com/Ind.	6,095.00
S-3654	Kohala Sugar Co.	11/08/61- 11/07/91	Por. bottom of Pololu Valley, N. Kohala	5-1-01:06	141.000	A - Pasture	325.00
S-3660	K. Sakai Enterprises, Inc.	3/20/61- 3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:77	.459	U - Com/Ind.	6,550.00
S-3662	Mauna Kea Sugar Co., Inc.	8/16/61- 8/15/91	Piihonua, S. Hilo	2-3-28:11 2-3-29:12 2-3-31:01 2-3-32:01, 04 2-5-09:05, 27	1,198.990 159.620 14.330 602.931 1,975.871	A - Int. Ag. Cane Contributory Pasture Waste	10,581.66 182.87 35.83 17.65 10,818.01
S-3670	Machida, Inc.	3/20/61- 3/19/2016	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:98	.344	U - Com/Ind.	8,190.00
S-3698	Bank of Hawaii	1/26/62- 1/25/2017	Waiakea, S. Hilo	2-2-49:22	.687	U - Com/Ind.	7,880.00
S-3716	Masaru Shindo dba Hilo Soda Works	10/29/62- 10/28/2017	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:15	.556	U - Com/Ind.	851.40
S-3718	Hilo Auto Electric & Carburetor Service	6/28/63- 6/27/2018	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-50:80	.258	U - Com/Ind.	587.00
S-3720	Norman Stevens, et al.	1/28/73- 1/27/83*	Lots 374, 381 & Por. Lots 373, 379, 44 & 46 380 & 382, Olaa Res. Lots	1-8-10:38, 43, 44 & 46	227.730	A - Pasture	750.00
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 (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 Puna	1-3-07:06		C - Unclass.	Gratis
S-3742	Yasuo Kuwaye	11/12/63- 11/11/2018	Waiakea Ind. 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

*Holdover to 1/27/84

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ISLAND OF HAWAII

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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
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.	438.00
(D)S-3844	University of Hawaii	7/24/64-7/23/2029	Hamakua Experiment Farm, Kaohe	4-3-10:07	185.000	A - Int. Ag.	Gratis
(D)S-3849	U.S. of America (Army)	8/17/64-8/16/2029	Pohakuloa Training Area	3-8-01:13	22,971.000	C - Unclass.	1.00 Full Term
(D)S-3853	U.S. Of America (Army)	8/21/64-8/20/2029	Pohakuloa Water License Easements	4-4-16:por. 01	5.510	C - Unclass.	1.00 Full Term
(D)S-3855	County of Hawaii	10/11/63-10/10/2028	Kukuau 2nd & Waiakea, S. Hilo	2-2-06 2-2-11; 2-2-12; 2-2-31; & 2-2-32	1.912	U - Unclass.	Gratis
(D)S-3865	County of Hawaii, Board of Water Supply	8/28/64-8/27/2029	Utility Easements Panaewa, S. Hilo	2-2-48:por. 05	.182	U - Unclass.	1.00 Full Term
S-3867	Manuel Souza	10/28/64-10/27/84	Paauiio-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-3870	James Ontai, Jr.	10/28/64-10/27/94	Papa Hmstds., S. Kona	8-8-04:04, 06, & 07	21.180	A - Int. Ag.	180.00
S-3875	Feed-Well, Inc.	8/12/66-8/11/2021	Kahema Street, Hilo	2-2-50:93	.689	U - Com/Ind.	1,800.00
S-3886	Palekoki Ranch, Inc.	1/20/65-1/19/85	Por. Lalamilo, Ouli & Waiaka I, Waimea, S. Kohala	6-6-01:02, 55	9,154.000	A - Pasture	4,500.00
(D)S-3887	Hilo Electric Light Co., Ltd.	1/20/65-1/19/95	Por. H.H.L., Humuula, N. Hilo	3-8-01:07	6.583	C - Unclass. ROW	360.00
(D)S-3888	Hawaiian Telephone Co.	1/20/65-1/19/2030	Waiakea Hselots, S. Hilo	2-2-37:63	.895	U - Com/Ind.	2,130.00
S-3908	Pacific Resort Management, Inc.	4/12/65-4/11/2030	Ocean View Lots, Waiakea, S. Hilo	2-1-05:28	2.319	U - Com/Ind.	15,000.00
(D)S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea, S. Hilo	2-2-48:84	.204	U - Unclass.	Gratis
(D)S-3925	Hilo Electric Light Co., Ltd.	8/27/65-8/26/2030	Kanoelehua Ind. Lots, Waiakea, S. Hilo	2-2-58:20, 21, & 22	3.718	U - Unclass. ROW	7,566.00
(D)S-3927	Hilo Electric Light Co., Ltd.	9/24/65-9/23/95	Por. Kaohe, Hamakua	4-4-16:10	.881	U - Unclass.	300.00
S-3930	William Thompson	10/18/65-10/17/85	Por. Kaohe, 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	Davies Hamakua Sugar Co.	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 Hselots, S. Hilo	2-2-37:66	.304	U - Com/Ind.	8,090.00
S-3938	Frank & Virginia DeLuz, Jr.	11/08/65- 11/07/85	Por. Kapualei Remainder, Hamakua	4-3-06:05 4-3-14:01	33.620	A - Pasture	685.00
S-3948	Davies Hamakua Sugar Co.	12/20/65- 12/31/2008	Por. Hauola, Hamakua	4-3-03:02, 03, 04, 05, 06, & 07	155.290 4.730 160.020	A - Int. Ag. Cane	2,790.00
S-3949	Hawaiian Greenhouse, Inc.	12/20/65- 12/19/2000	Keonepoko Hmstds, Pahoa	1-5-07:17	19.401	A - Int. Ag.	639.10
S-3950	Kulana Foods, Ltd.	12/20/65- 12/19/2000	Waiakea Hmstds, S. Hilo	2-4-03:10 & 11	41.200	A - Pasture	180.00
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- 4/14/2031	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	Haukua Hmstds, 2nd, S. Kona	8-7-05:03 & 05	14.190	A - Int. Ag.	165.00
(D)S-3966	Transportation Depart- ment, U.S. Coast Guard	4/15/66- 4/14/2031	Hoopuloa, S. Kona	8-9-04:21	1.427	C - Unclass.	Gratis
S-3999	Divaco Cooperative	8/16/66- 8/15/2021	Hilo Ind. 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	Davies Hamakua Sugar Co.	8/16/66- 12/31/2008	Parcel A, Pohakuhaku-Kamau Govt Rem; Parcels B,C,D,E & F, Opihilala-Kapualei Govt Remnant, Govt Remainder Kamau II Makai Tract Kahe I; Lot 21-A Pohakea Hmstds, Makai Section, Opihilala & Paauilo, Hamakua	4-3-04:04 4-3-05:01 4-3-06:01, 04, 08 10 & 12 4-3-07:02 4-3-08:02 4-3-11:04	220.892	A - Int. Ag. Cane	3,080.00
S-4004	Christ Lutheran Church	8/16/66- 8/15/2031	Por. Waiakea, S. Hilo	2-4-01:120	3.101	U - Unclass. Elee.	1,214.00
S-4005	John J. & Josephine Andrade	8/16/66- 8/15/91	Ahualoa Reserve Remnants, Ahualoa Homesteads	4-5-11:06	13.496	A - Pasture	91.00
S-4018	First United Protestant Church of Hilo	10/06/66- 10/05/2031	Piihonua, S. Hilo	2-3-27:16	3.572	U - Unclass. Elee.	1,396.00
S-4024	George Freitas Dairy, Inc.	11/29/66- 11/28/91	Puepa 2-Kokoiki Tract, N. Kohala	5-5-05:01	74.340	A - Pasture	1,200.00
S-4025	Palani Ranch Co., Inc.	11/29/66- 11/28/91	Honuaula, N. Kona	7-4-01:03	1,608.500	A - Pasture	2,800.00
(D)S-4029	County of Hawaii	4/13/67- 4/12/2032	Kealakehe, N. Kona	7-4-08:17 por.	30.319	C - Unclass.	Gratis
S-4097	Pauley Petroleum, Inc.	3/31/67- 3/30/2032	Por. Waiakea, S. Hilo	2-1-09:07 & 31	.130	U - Unclass.	304.63
S-4098	Yoshito Iwamoto	3/31/67- 3/30/2032	Por. Waiohinu Gov't. Remnants, Kau	9-5-02:40	.437	U - Unclass. ROW	10.00
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

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(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	Davies Hamakua Sugar Co.	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
S-4108	Davies Hamakua Sugar Co.	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	Davies Hamakua Sugar Co.	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.	36.00
S-4138	Hale Nui Flowers, Inc.	1/12/68-1/11/2023	Waiakea, S. Hilo	2-4-49:25	10.008	A - Int. Ag.	552.00
(D)S-4139	Honolulu Gas Co. Ltd.	4/14/67-4/13/97	Hilo	2-2-27:02	.230	U - Com/Ind.	510.00
S-4141	Mauna Loa Land, 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	Hiroshi Matsuyama	9/26/68-9/25/93	Keopu No. 2, N. Kona	7-5-01:22	17.490	A - Pasture	60.00
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	240.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68-2/28/2021	N. Kona	7-5-09:64	.013	U - Unclass. ROW	16.36
S-4224	Richard Smart	2/07/69-2/06/94	N. Kohala	5-8-02:06	23.800	A - Pasture	96.00
S-4225	Mitsuo & Yaeko Kitagawa	2/07/69-2/06/2024	Waiakea, S. Hilo	2-4-49:11	10.021	A - Int. Ag.	576.00
S-4226	Joseph Chang, Sr.	2/07/69-2/06/89	Kokoiki, N. Kohala Kohala	5-5-04:51 & 52	4.934	A - Int. Ag.	45.00
S-4227	Island Holidays, 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.	180.00
S-4239	Palani Ranch Co., Inc.	4/15/69-4/14/1994	Kealakehe, N. Kona	7-4-02:07	1,232.000	A - Pasture	2,500.00
S-4246	Sim Wenner	8/09/69-8/08/94	Moeauoa I Gov't. Remainder, N. Kona	7-5-01:19	6.890	A - Pasture	55.00

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S-4247	Ponoholo Ranch, Ltd.	7/11/69- 7/10/94	Pahinahina-Kiio- kalani Tract, Section 1, N. Kohala	5-9-01:por.04 5-9-03:por.01 & 02 5-9-04:08 & por. 01, 07 & 11	5,865.000	A - Pasture	\$ 3,930.00
S-4248	Margaret Cobey Black	7/11/69- 7/10/99	Kokoiki, N. Kohala	5-5-05:19	.652	A - Unclass. ROW	60.00
S-4249	Bank of Hawaii	7/11/69- 7/10/2034	Honuaula, N. Kona	7-5-07:por. 58	.047	U - Unclass. ROW	11.11
S-4251	Woodrow Miller	9/12/69- 9/11/94	Puuanahulu Homesteads., N. Kona	7-1-05:05	8.199	A - Int. Ag.	620.00
S-4252	Hilo Bay Hotel, Inc.	8/14/69- 8/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:45	.215	U - Com/Ind.	590.00
S-4253	Inter-Island Resorts, Ltd. & Finance Investment Co., Ltd.	8/14/69- 3/14/2015	Banyan Dr., Waiakea Peninsula, S. Hilo	2-1-05:46	1.054	U - Com/Ind.	3,300.00
S-4260	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69- 9/28/2004	Hionaa & Kaalaiki, Kau	9-7-01:20	1,791.489	A - Int. Ag. Cane	7,150.00
S-4261	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69- 9/28/2004	Kapapala & Kaalaala, Kau	9-7-01:01	539.562	A - Int. Ag. Cane	2,150.00
S-4262	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69- 9/28/1994	Waiohinu, Kau	9-5-05:03	378.870	A - Int. Ag. Cane	4,972.00
S-4263	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	9/29/69- 9/28/94	Kapapala, Kau	9-8-01:06	291.130	A - Int. Ag. Cane	4,743.00
S-4264	Haruyuki & Hatsue Tao	9/29/69- 9/28/2024	Camp Site 8-A Waiakea, S. Hilo	2-4-07:27	.096	U - Unclass. ROW	2.67
S-4279	Anthuriums of Paho, Inc.	1/20/70- 1/19/95	Por. Nanawale Res., Kanihahiku, Puna	1-4-34:26	3.008	A - Int. Ag.	160.00
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.	100.00
S-4281	Richard Smart	1/20/70- 1/19/95	Puukole-Paoo Tract, N. Kohala	5-7-01:04	2,464.290	A - Pasture	4,500.00
S-4282	Kau Sugar Co., Inc. & C. Brewer Co., Ltd.	1/20/70- 1/19/95	Hionaa-Kaalaiki Tract, Kau	9-5-15:03	1,669.000 80.000 448.290 2,197.290	A - Int. Ag. Cane Contributory Waste	27,104.00
S-4283	Kapalama Commercial Center	1/20/70- 1/19/2010	Hilo Ind. Dev., Pohaku St., Section 1, Waiakea, S. Hilo	2-2-58:25	.439	U - Com/Ind.	1,600.00
S-4284	Kapalama Commercial Center	1/20/70- 1/19/2025	Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37:81	.826	U - Com/Ind.	4,860.00
S-4285	Davies Hamakua Sugar Co.	1/20/70- 12/31/2008	Parcel A & B, Honokaia Makai Tract, Hamakua	4-6-03:01, 02 20 4-6-04:01, 03	477.100 23.430 165.919 666.449	A - Int. Ag. Cane, ROW Waste	9,050.00
S-4286	Koshi Miyasaki, et al.	1/20/70- 1/19/85	Keanakolu Orchard-Arboretum, Hunuula, N. Hilo	3-7-01:09	39.308	A - Int. Ag.	1,105.00
S-4287	Antone & Helen Texeira	1/20/70- 1/19/2025	Easement- Pohakuhaku & Kemau, Hamakua	4-3-06:16	.330	A - Unclass. ROW	1.09
(D)S-4288	Honolulu Gas Co., Ltd.	5/07/69- 5/06/2024	Kealakehe, N. Kona	7-4-08:por. 16 & 17	.354	C - Unclass. ROW	430.00
S-4299	Ah Chun Lee	5/12/70- 5/11/95	Kaimu-Kiula Hmstd., Makena & Kaimu, Puna	1-2-06:05	378.131	A - Pasture	350.00
S-4300	Pohaku Enterprises, Inc.	5/12/70- 5/11/2025	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:35	1.435	U - Com/Ind.	8,000.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4302	Yamada Transfer, Inc.	5/12/70-5/11/2025	Waiakea Houselots, & Gov't. Remnant, S. Hilo	2-2-37:89	4.823	U - Com/Ind.	\$ 16,985.00
S-4303	David Deluz	6/11/70-6/10/2010	Waiakea Houselots, ext., Waiakea, S. Hilo	2-2-58:15	.608	U - Com/Ind.	6,100.00
S-4306	Big Island Tobacco Corp.	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:04	.331	U - Com/Ind.	1,125.00
S-4307	Triple K. Plumbing, Inc. & George Co., Inc.	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea S. Hilo	2-2-58:03	.278	U - Com/Ind.	980.00
S-4308	Hilo Sheet Metal, Inc.	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:02	.551	U - Com/Ind.	1,350.00
S-4309	The Investment Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:32	.459	U - Com/Ind.	1,620.00
S-4310	Alumside Products, Inc.	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:31	.459	U - Com/Ind.	1,620.00
S-4311	Industrial Steel Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:27 & 28	.877	U - Com/Ind.	3,100.00
S-4312	R. Hirae Painting, Inc.	6/30/70-6/29/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:26	.439	U - Com/Ind.	1,550.00
S-4313	H & S Construction, Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:24	.255	U - Com/Ind.	920.00
S-4314	H & S Construction, Corporation	6/23/70-6/22/2010	Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo	2-2-58:23	.273	U - Com/Ind.	930.00
S-4315	Hawaii Planters, Inc.	6/23/70-6/22/95	Kalapana-Kupahua, Puna	1-2-32:23	219.000	A - Int. Ag.	400.00
S-4316	Mike Dietz Golf Shop, Inc. A/S Bayshore Realty Investment, Inc.	6/23/70-6/22/2025	Waiakea Golf Course, S. Hilo	2-1-01:12	63.248	U - Com/Ind.	5,500.00
S-4317	Hisato & Tsuyako Ogata	6/30/70-6/29/2025	Easement-Waiakea	2-4-33:18 por.	.045	U - Unclass. ROW	10.00
S-4319	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 Lelani Street Project	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	William Pritchard Jenkins	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	William Pritchard Jenkins	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	Larry & Persis B. Komata	4/16/71-4/15/96	Panaewa Farm Lots, S. Hilo	2-4-49:24	10.231	A - Int. Ag.	900.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-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 Govt Land at Piipihouua	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	Allan D. Starr	8/17/72- 8/16/2027	Hilo Ind. Dev., Leilani St., Waiakea S. Hilo	2-2-37:88	.413	U - Com/Ind.	4,000.00
S-4364	TSI, Ltd.	8/17/72- 8/16/2027	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:17	12.683	A - Int. Ag.	5,000.00
S-4366	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 Hselots ext., Waiakea, S. Hilo	2-2-58:36	.895	U - Com/Ind.	7,000.00
S-4380	Taizan & Chieko sugimoto	5/16/73- 5/15/98	Gov't. Remnant at Kanihahiku, Puna	1-5-04:13	3.640	A - Int. Ag. Cane	90.00
S-4391	Hawaii Biogenics, Ltd.	2/01/74- 1/30/2029	Opihipau-Hakiaa, Hualuu-Kahei Gov't Tracts	5-5-03:04, 05, & 06 5-5-06:02, 03, 04 & 15 5-5-07:05, 08, 09, 11 & 12	1,054.426	A - Int. Ag.	43,150.00
S-4415	Bryson T. Kuwahara	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	Yamaguchi Enterprises, Inc.	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	Akeshi Hashimoto	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	Raymond K. Hayashi	2/01/75- 1/31/2030	Keonepoko Iki Farm Lot Subdv., Puna	1-5-116:19	16.839	A - Int. Ag.	471.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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.	2,000.00
S-4445	Harold T. Tanouye, Jr.	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
S-4450	Anthony J. & Ellen C. Vincent	9/04/75-9/03/2030	Lot 19, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:03	10.021	A - Int. Ag. Res.	1,100.00
S-4453	Willa McCoy	9/04/75-9/03/2030	Lot 24, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:08	10.021	A - Int. Ag. Res.	820.00
S-4455	Hiroshi Kitagawa	9/04/75-9/03/2030	Lot 26, Panaewa Farm Lots, 2nd Ser., Waiakea	2-4-49:10	10.021	A - Int. Ag. Res.	1,700.00
S-4456	Jules J. 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 Hselots, 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	738.233	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 Kaohi-3, Hamakua	4-4-15:02	1,763.000	A - Pasture	17,500.00
S-4472	Houlu Ranch, Inc.	3/01/76-2/28/2011	Land of Hoeh-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 Kaohi-6, Hamakua	4-1-06:07	3,110.000	A - Pasture	26,100.00

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S-4474	Richard Smart	3/01/76- 2/28/2011	Land of Puu Kawaiwai, Panoluukia & Kapia, S. Kohala	6-2-01:03 & 05	2,978.000	A - Pasture	\$ 22,300.00
S-4475	K. K. Ranch, Inc.	3/01/76- 2/28/2011	Land of Kalopa & Kaohe-3, Hamakua	4-4-14:02 & 03	7,282.000	A - Pasture	77,600.00
S-4476	Richard Smart	3/01/76- 2/28/2011	Land of Piihonua, S. Hilo	2-6-18:01	5,995.000	A - Pasture	65,100.00
S-4477	S. C. Ranch Co., Inc.	3/01/76- 2/28/2011	Land of Kaohe-2, Hamakua	4-3-10:08	7,780.000	A - Pasture	90,000.00
S-4478	Boteilho Hawaii Enterprises, Inc.	3/01/76- 2/28/2011	Land of Kaohe-2, Hamakua	4-3-10:02	7,932.000	A - Pasture	112,000.00
S-4479	Hawaii Housing Authority	8/29/75- 8/28/2030	Ponahawai, S. Hilo	2-5-06:por. 03	.744	U - Unclass. ROW	1.00 Full Term
S-4483	Leslie W. Wishard	1/01/76- 12/31/2005	Lalamilo, S. Kohala	6-6-01:01 & 02	.082	A - Unclass. ROW	11.83
S-4484	Donn W. Carlsmith	11/01/75- 4/30/2013	Waiakea & 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
S-4563	University of Hawaii	9/24/76- 9/23/2041	Waiakea, S. Hilo	2-4-01:7 & 41	20.000	A - Unclass.	Gratis
S-4565	County of Hawaii	12/08/77- 12/07/87	Keahuolu & Lanihau Nui, N. Kona	7-5-05:70, 71 78, por. 7	14.082	U - Unclass.	Gratis
S-4566	International Christian Schools, Hawaii-Youth with a Mission, Inc.-Hawaii	7/19/76- 7/18/2001	Holualoa, N. Kona	7-4-06:01	1.400	A - Unclass.	100.00
(D)S-4569	University of Hawaii	6/15/78- 6/14/2043	Waiakea, S. Hilo	2-4-01:07	13.434	U - Res.	Gratis
(D)S-4577	Mauna Ziona Congregational Church	6/15/78- 6/14/2013	Kalaea, N. Kona	7-3-04:05	1.440	A - Unclass.	100.00
(D)S-4594	University of Hawaii	7/18/79- 7/17/2044	Waiakea, S. Hilo	2-4-01:por. 07	36.088	U - Unclass.	Gratis
S-4595	Thomas M. Okuna	1/27/79- 1/26/2004	Waiohinu, Kau	9-5-03:19 9-5-05:02	272.790	A - Pasture	2,100.00
S-4600	Dillingham Investment Corporation	12/29/78- 12/28/2043	Honomalino & Hoopulua, S. Kona	8-9-01	26.040	A - Unclass. ROW	6,800.00 Full Term

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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
S-4609	University of Hawaii	1/1/80-12/31/2035	Waimea, S. Kohala	6-6-03:7	10.561	A - Unclass.	Gratis
S-4610	Big Island Housing Foundation	7/1/78-6/30/2053	Waiakea, S. Hilo	2-4-56:por. 19	7.159	U - Res.	1.00 per annum
S-4620	Masaji & Jane N. Kawazoe	5/1/80-4/30/2035	Keonepoko Iki Puna	1-5-116:7	10.000	A - Int. Ag.	400.00
S-4621	Pahoehoe Tree Farm, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:13	25.000	A - Int. Ag.	1,000.00
S-4622	Bigrock Anthuriums, Inc.	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:17	15.000	A - Int. Ag.	600.00
S-4623	Minoru & 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	Akeshi Hashimoto	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:27	30.000	A - Int. Ag.	1,200.00
S-4629	Mordecai H. Jr. & Michiko Hudson	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:26	21.276	A - Int. Ag.	851.00
S-4630	Ryoichi & Reiko Okamoto	5/1/80-4/30/2035	Keonepoko Iki, Puna	1-5-116:25	16.501	A - Int. Ag.	600.00
S-4632	TSI, Ltd.	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:por. 19	9.079	A - Int. Ag.	3,700.00
S-4633	Jules J. Jr. & Soontaree Gervais	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:por. 19	23.277	A - Int. Ag.	9,500.00
S-4634	Jules J. Jr. & Soontaree Gervais	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:20	10.243	A - Int. Ag.	6,000.00
S-4635	Melchor V. & Avelina V. Ventura	5/1/80-4/30/2015	Panaewa Farm Lots, Waiakea, S. Hilo	2-4-49:21	10.243	A - Int. Ag.	6,500.00
S-4636	Jean A. Higaki	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-4641	Harry J. Medeiros	5/1/80-4/30/2005	Kaapahu Homesteads, Hamakua	4-4-13:11	20.500	A - Pasture	1,700.00
S-4642	Kenneth S. Funai	5/8/80-5/7/2035	Olaa, Puna	1-8-06:103	49.082	A - Int. Ag.	2,500.00

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S-4656	Pacific Educational Foundation, Inc. dba Hawaii Job Corps Center	4/1/81-3/31/91	Waiakea, S. Hilo	2-4-49:18	10.875	A - Unclass.	\$ Gratis
S-4662	James Wo	8/28/80-8/27/2035	Waiakea, S. Hilo	2-1-12:25	1.420	U - Com/Ind.	29,200.00
S-4663	Yamada Transfer, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:94 & 95	.918	U - Com/Ind.	27,000.00
S-4664	James E. Miles Construction, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:97	.391	U - Com/Ind.	8,600.00
S-4665	H. Harada Contractor, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-37:98	1.019	U - Com/Ind.	22,500.00
S-4667	HIW-Hawaii, Inc.	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-58:12 & 13	.601	U - Com/Ind.	18,100.00
S-4668	Yasuo Kuwaye	8/28/80-8/27/2035	Waiakea, S. Hilo	2-2-58:39	.601	U - Com/Ind.	13,300.00
S-4670	Jas. W. Glover, Ltd.	2/11/81-2/10/2001	Waiakea, S. Hilo	2-1-12:04	74.314	U - Com/Ind.	125,000.00
S-4671	Pacific Nurseries, Inc.	9/19/80-9/18/2035	Keonepoko Nui, Puna	1-5-07:57 & 1-5-10:por. 13	100.000	A - Int. Ag.	37,000.00
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	Yoshio & Marjorie Watanabe	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:08	4.758	A - Int. Ag.	335.00
S-4688	Exotics Hawaii-Kona, Inc.	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:09	8.164	A - Int. Ag.	570.00
S-4689	Monico Castillo	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:10	5.061	A - Int. Ag.	355.00
S-4690	Shoji & Yoshie Kawahara	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:11	4.758	A - Int. Ag.	335.00
S-4691	Richard W. & Patricia M. Clark	1/1/81-12/31/2035	Keahole Ag. Park, N. Kona	7-3-49:12	5.047	A - Int. Ag.	355.00
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	Kinoole Baptist Church	6/1/80-5/31/2035	Pahoa Village Lots, Keonepoko Iki, Puna	1-5-117:24 & 25	.689	U - Unclass. Church	1,822.00
(D) S-4725	Easter Seal Society of Hawaii	7/1/81-6/30/2046	Piihonua, S. Hilo	2-3-15:por. 1	1.000	U - Crippled Children Ctr	1.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(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. & Ayame Kim	1/1/82-12/31/2036	Lot 3, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:29	10.052	A - Int. Ag.	1,205.00
S-4751	Chiyoki & Aileen M. Tanaka	1/1/82-12/31/2036	Lot 4, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:30	10.112	A - Int. Ag.	1,215.00
S-4752	Alika & Alma Cooper	1/1/82-12/31/2036	Lot 5, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:31	10.032	A - Int. Ag.	1,205.00
S-4753	Philip J. & Carole K. Ito	1/1/82-12/31/2036	Lot 6, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:32	10.212	A - Int. Ag.	1,225.00
S-4754	Harris S. & Elizabeth L. Asahara	1/1/82-12/31/2036	Lot 7, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:33	10.170	A - Int. Ag.	1,220.00
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	Edward L. & Pualani O.M. Kanahele	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	Martin J. & Rita C. Branco	1/1/82-12/31/2036	Lot 15, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:41	20.650	A - Int. Ag.	2,065.00
S-4763	Ono Nut Farms, Inc.	1/1/82-12/31/2036	Lot 16, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:42	20.025	A - Int. Ag.	2,000.00
S-4764	Young Dai & Sook Ja Kim	1/1/82-12/31/2036	Lot 17, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:43	10.003	A - Int. Ag.	1,200.00
S-4765	Jules J. & Soontaree Gervais	1/1/82-12/31/2036	Lot 18, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:44	10.087	A - Int. Ag.	1,210.00
S-4766	Daniel L. & Velva Mae Lappala	1/1/82-12/31/2036	Lot 19, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:45	10.030	A - Int. Ag.	1,205.00
S-4767	James & Julie A. Farrell	1/1/82-12/31/2036	Lot 20, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:46	10.146	A - Int. Ag.	1,220.00

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4768	Richard M. & Ruth H. Matsuura	1/1/82-12/31/2036	Lot 21, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:47	10.011	A - Int. Ag.	\$ 1,200.00
S-4769	Roy S. & H. Eunice Shigenaga	1/1/82-12/31/2036	Lot 22, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:48	10.070	A - Int. Ag.	1,210.00
S-4770	Yoshiyuki & Sandra T. Ota	1/1/82-12/31/2036	Lot 23, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:49	10.024	A - Int. Ag.	1,205.00
S-4771	Calvin F. & Doreen T. Nogami	1/1/82-12/31/2036	Lot 24, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:50	10.059	A - Int. Ag.	1,205.00
S-4772	Shigeji & Mieko M. Kawasaki	1/1/82-12/31/2036	Lot 25, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:51	10.011	A - Int. Ag.	1,200.00
S-4773	Kiyoshi & Lily M. Inada	1/1/82-12/31/2036	Lot 26, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:52	10.010	A - Int. Ag.	1,200.00
S-4774	Thomas Y. & Sharon S. Kadota	1/1/82-12/31/2036	Lot 27, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:53	10.203	A - Int. Ag.	1,225.00
S-4775	Henry M. & Loraine Y. Terada	1/1/82-12/31/2036	Lot 28, Panaewa Ag Park, Waiakea, S. Hilo	2-2-56:54	10.119	A - Int. Ag.	1,215.00
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.	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

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4797	Sotero G. & Honorata M. Ganir	5/1/82- 4/30/2037	Lot 7, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:34	5.002	A - Int. Ag.	\$ 350.00
S-4798	Gary Y. & Thelma O. Sumi	5/1/82- 4/30/2037	Lot 8, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:35	5.002	A - Int. Ag.	350.00
S-4799	Perfecto & Sarah Aniban	5/1/82- 4/30/2037	Lot 9, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:36	5.002	A - Int. Ag.	350.00
S-4800	Curtis K. Kohashi	5/1/82- 4/30/2037	Lot 19, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:46	5.009	A - Int. Ag.	350.00
S-4801	Albert G. & Florence S. Nishimura	5/1/82- 4/30/2037	Lot 10, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:37	5.000	A - Int. Ag.	350.00
S-4802	Curtis T. Nishioka	5/1/82- 4/30/2037	Lot 11, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:38	5.000	A - Int. Ag.	350.00
S-4803	Richard T. Iwasaki	5/1/82- 4/30/2037	Lot 12, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:39	5.002	A - Int. Ag.	350.00
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	J. Conrad & Evelyn M. Lewis	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-4812	Warren W.K. & Alice G. Kawaha	5/1/82- 4/30/2037	Lot 22, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:49	5.212	A - Int. Ag.	365.00

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4813	Lance T. Kuwahara	5/1/82-4/30/2037	Lot 23, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:50	5.000	A - Int. Ag.	\$ 350.00
S-4814	Lynne E. Shiigi	5/1/82-4/30/2037	Lot 24, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:51	5.000	A - Int. Ag.	350.00
S-4815	James S. Kuwahara	5/1/82-4/30/2037	Lot 25, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:52	5.026	A - Int. Ag.	350.00
S-4816	Richard W. & Sandra L. Whiting	5/1/82-4/30/2037	Lot 26, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:53	6.132	A - Int. Ag.	430.00
S-4817	Yoso & Kikuko Kuwahara	5/1/82-4/30/2037	Lot 27, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:54	6.392	A - Int. Ag.	445.00
S-4818	Michael J. & Patricia A. McCluey	5/1/82-4/30/2037	Lot 28, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:55	6.210	A - Int. Ag.	435.00
S-4819	Teruo & Natsuyo Obayashi	5/1/82-4/30/2037	Lot 29, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:56	6.046	A - Int. Ag.	425.00
S-4820	Glenn J. Morrison	5/1/82-4/30/2037	Lot 30, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:57	5.064	A - Int. Ag.	355.00
S-4821	Wajira Wansa	5/1/82-4/30/2037	Lot 31, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:58	5.017	A - Int. Ag.	350.00
S-4822	Steven L. Oleson	5/1/82-4/30/2037	Lot 32, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:59	5.005	A - Int. Ag.	350.00
S-4823	Russell I. & Laura S. Kuwahara	5/1/82-4/30/2037	Lot 33, Pahoa Ag Pk. Phase II, Keonepoko Iki, Puna	1-5-116:60	5.770	A - Int. Ag.	405.00
S-4824	Kenneth M. Kudo	5/1/82-4/30/2037	Lot 5, Pahoa Ag Pk. Phase I, Keonepoko Iki, Puna	1-5-116:05	10.000	A - Int. Ag.	900.00
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

GENERAL LEASES

ISLAND OF HAWAII

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4836	Josanne M. Ma	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:19	5.015	A - Int. Ag.	\$ 450.00
S-4837	Curtis Y. Nakaoka	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:20	5.015	A - Int. Ag.	450.00
S-4838	Kenneth K. Saito	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:21	5.015	A - Int. Ag.	450.00
S-4839	Fetulima & Brenda L. Tamasese	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:22	5.015	A - Int. Ag.	450.00
S-4840	Chiaki & Sadako Kato	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:23	5.027	A - Int. Ag.	450.00
S-4841	Hisao & Masako Nakaoka	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:24	5.027	A - Int. Ag.	450.00
S-4842	Joseph & Ellen S. Cathcart	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:25	5.027	A - Int. Ag.	450.00
S-4843	Gilbert W. C. & Dolly D. Loo	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:26	5.055	A - Int. Ag.	455.00
S-4844	Paulino P. & Felisa T. Gampon	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:27	5.534	A - Int. Ag.	500.00
S-4845	Orchid Farm, Inc.	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:28	6.697	A - Int. Ag.	600.00
S-4846	Clarence A. & Pansy W. Medeiros	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:29	5.027	A - Int. Ag.	450.00
S-4847	James I. & Patricia H. Kuroiwa	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:30	5.027	A - Int. Ag.	450.00
S-4848	Daniel Y. H. Hong	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:31	5.027	A - Int. Ag.	450.00
S-4849	William R. & Gay W. Glover	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:32	5.013	A - Int. Ag.	450.00
S-4850	John P. & Christine R. Wilkinson	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:33	5.013	A - Int. Ag.	450.00
S-4851	Paul M. & Edith E. McHenry	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:34	5.013	A - Int. Ag.	450.00
S-4852	Henry W. & Marvalene I. Kanahele	10/1/82-9/30/2037	Keahole Ag Park, Phase II	7-3-49:35	5.452	A - Int. Ag.	490.00
S-4858	Joseph F. & Helen D. Pickering	9/1/78-8/31/2043	Lalamilo, Waimea, S. Kohala	6-9-02:por. 9	.032	U - Unclass. ROW	5,000.00
S-5000	Tsugio Sakata	3/31/67-3/30/2032	Por. Govt Land Waimea, S. Kohala	6-5-04:por. 15	.012	U - Unclass. ROW	11.00
S-5001	K. Kobata & Sons	3/31/67-3/30/2022	Waiakea, S. Hilo	2-2-32:10	.988	U - Com/Ind.	4,262.00
S-5003	Francis C. De Morales	3/31/67-3/30/92	Waiakea Hmstds., S. Hilo	2-4-06:12 2-4-07:37	68.670	A - Pasture	330.00
S-5004	Sueichi & Yoshiko Kawashima	3/31/67-3/30/92	Pauilo, Hamakua	4-3-15:10	3.040	A - Int. Ag.	46.00
S-5005	Dorothy May Saxby	3/31/67-3/30/2002	Keonepoko-Nui, Puna	1-5-08:05	5.000	A - Int. Ag.	65.00
S-5015	Motoshi Sako	5/19/67-5/18/2002	Por. Gov't. Land of Olaa, Puna	1-7-01:63	.466	U - Com/Ind.	485.00
S-5017	Mary K. Phillips	5/19/67-5/18/2032	por. Lalamilo, Waimea, S. Kohala	6-6-04:76	.033	U - Unclass. ROW	22.00
S-5018	Pacific Standard Life Insurance Company	5/19/67-5/18/2032	Ocean View Lots, Waiakea, S. Hilo	2-1-05:21 & 31	1.090	U - Com/Ind.	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Hamakua & N. Kohala	6-3-02:04 & 05	5,845.000	C - Watershed	8,000.00
S-5020	Richard Smart	5/19/67-5/18/92	Awa-lua-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 1982-83

Use ^{1/}	Area (Acres)	Annual Rental	No. of Leases ^{2/}
Intensive agriculture use	6,592.403	\$ 218,653.98	28
Special livestock use	—	—	—
Pasture use	11,369.863	33,024.00	27
Commercial timber use	—	—	—
Quarry use	—	—	—
Mining use	—	—	—
Recreational use	9.472	560.00	3
Watershed use	78.000	75.00	2
Res. use	6.800	1,740.00	3
Commercial and industrial use	113.562	32,680.50	7
Hotel, apartment and motel use	—	—	—
Resort use	—	—	—
Unclassified uses	60.643	5,046.49	26
Totals	18,230.743	\$ 291,779.97	96

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

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

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3588	Pioneer Mill Co., Ltd.	1/01/60-12/31/89	Honokowai, Lahaina	4-4-01:15, 19 & 22 4-4-02:03, 08 11, 15, 18 & 20, 4-4-04:02 & 06	734.396 42.335 174.011 95.196 9.660 7.864 1,063.462	A - Intensive Ag & C Contributory Pasture Waste New Highway Other Use	\$ 20,386.39
S-3637	John Francis Mills	4/14/61-4/13/91	Kaunapapa, inc. Loko Waiohono, Hana	1-3-07:25	.600	R - Res.	400.00
L-3695	East Maui Irrigation Co., Ltd.	7/01/62-6/30/86	Honomanu Water License, Koolau	1-1-01:44	3.159	C - Watershed Water License	15,510.00
S-3699	John M. Dee Souza	5/17/62-5/16/82	Koolau, Hana	1-1-01:31	66.000	A - Pasture	120.00
S-3700	Ulupalakua Ranch, Inc.	3/19/62-3/18/82*	Kanaio & Kaunuaahano, Kaloi Tract, inc. Lots 1-17, Kanaio Hmstds., Honuaula	2-1-02:01 2-1-03:50	8,370.000	A - Pasture & C	5,000.00
S-3717	West Maui AJA Veterans Club	11/05/62-11/04/87	Wahikuli Hselots, Lahaina	4-5-14:51	.460	U - Rec.	400.00
(D) S-3741	U.S.A., Federal Aviation Agency	7/01/64-6/30/84	Kealahaloa, Ukumehame	3-6-01:08	1.204	C - Unclass. Fed.	Gratis
(D) S-3749	U.S.A. Corps of Engineers (Army)	4/19/63-4/18/2028	Papaanui, Makawao (Honuaula)	2-2-07:11	4.450	C - Unclass. Fed.	Gratis
S-3817	Maui Young Men's Christian Assoc.	11/24/64-11/23/2019	Keanae, Hana (Koolau)	1-1-02:09	7.742	A - Rec.	150.00
S-3820	Roy F. Bodnar	4/08/64-4/07/84	Parcels C, D & E, Puolua, Hamakualoa, Makawao	2-9-06:06 2-9-08:13, 17, 18 and 24	12.890	A - Pasture	90.00

Holdover until 1/11/83

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3822	Charles Aki	4/08/64-4/07/84	Upper Kualopa Lots, 2-1-04:94 Makawao		20.820	A - Pasture	\$ 104.00
S-3824	Anthony DeCoite	4/08/64-4/07/84	Paehala Tract, Paehala, Hana	1-5-11:14, 15, and 29	48.100	A - Pasture & C	150.00
S-3835	Pioneer Mill Co., Ltd.	6/02/64-6/01/84	Honokowai, Kaanapali, Waihikuli, Lahaina-luna, Lahaina	4-4-02:12, 13 & 14; 4-4-05:35 4-4-07:10 4-5-21:05 4-6-18:11	4.620 .260 .960 6.560 4.900 <u>17.300</u>	A - Unclass. Transmission of domestic & irrigation water only	2,206.00
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	590.00
(D)S-3918	University of Hawaii	5/28/65-5/27/2030	Kealahou l & 2, Waiakoa, Makawao, Kula	2-2-11:33	20.674	A - Int. Ag.	Gratis
S-3920	Joseph Young	7/20/65-7/19/85	Lots 12-A, 13-A, 26-A, 32, 32-A & Parcel 54, Wailua Hmstds., Hana	1-1-05:17, 25, 45 & 54	5.930	A - Int. Ag.	177.00
S-3922	Cecilia Kaauamo	7/20/65-7/19/85	Lots 2-A, 18-A, 21-A & 22-A, Wailua Hmstds., Koolau, Hana	1-1-04:13 & 30	2.990	A - Int. Ag.	80.00
S-3947	George W. Murphy dba 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	Waiohonu-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 <u>162.600</u>	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 <u>80.599</u>	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.	700.00
(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	Hamao, 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 <u>1,875.276</u>	A - Int. Ag. Cane Contributory Waste	84,600.00
S-4209	Bishop Trust Company	10/03/68-10/02/2023 (Koolau)	Keanae Hmstds., Keanae, Hana	1-1-03:70	1.100	A - Int. Ag. & C - Res.	1,070.00

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	1,089.560 138.590 228.283 335.810 1,792.243	A - Int. Ag. Cane Contributory Waste, Pasture	89,000.00
S-4230	Charles S. Ota	2/25/69-2/24/89	Honomanu, Hana	1-1-01:52	67.000	A - Pasture & C	200.00
S-4231	Paul T. & Bernice H. Otani	2/25/69-2/24/94	Omaopio, Kula	2-3-03:06	13.140	A - Int. Ag.	500.00
S-4232	Frank T. Pacheco	2/25/69-2/24/94	Puolua, Makawao (Hamakualoa)	2-9-06:07 & 08	10.560	A - Pasture	60.00
S-4233	Hansel Ah Koi	2/25/69-2/24/89	Kearae & Pahoa, Hana	1-1-08:08	148.700	A - Pasture	475.00
S-4241	Neal Tokuhisa	6/05/69-6/04/94	Hamakualoa, Makawao	2-9-06:21, 22 & 23	53.330	A - Pasture	600.00
S-4242	Barney Silva	6/05/69-6/04/94	Honokala, Hamakualoa	2-9-05:20 & 32	28.420	A - Pasture	355.00
S-4269	Security Pacific Mortgage Corp.	11/08/69-11/07/2034	Submerged Lands fronting Ahupuaas, Puuhala & Kaamola, Molokai	5-6-05:35	108.137	C - Com/Ind.	8,500.00
S-4271	Lahaina Hongwanji Mission	11/24/69-11/23/2034	Por. Former Lot 21-A Mokuhinia Pond, Wainee, Lahaina	4-6-07:41	.083	U - Unclass. Elee.	225.00
S-4272	Michael Paul Milner	11/24/69-11/23/2024	Por. Former Old Kuiaha School Lot, Makawao	2-7-08:15	1.840	A - Int. Ag. Res.	300.00
S-4273	Amfac, Inc.	11/24/69-11/23/2034	Offshore Waters of Hanakao, Lahaina	4-4-06	.130	C - Unclass. ROW	2.17
S-4325	Charles S. Ota	12/22/70-12/21/95	Keokea (Kula)	2-2-04:01, 02, 29 & 66	206.010	A - Pasture	5,500.00
S-4327	Harry & Rosalina Anita Hasegawa	11/23/70-11/22/2025	Hanoa, Hana	1-4-08:13	1.000	R - Res.	750.00
S-4328	Anthony A. & Anna K. Tam	11/23/70-11/22/95	Wailua-Nui, Hana	1-1-08:05	120.970	A - Pasture & C	405.00
S-4340	Akea Farms, Inc.	7/22/71-7/21/2116	Molokai Farm Lots, Hoolehua, Apana 2	5-2-01:09	205.000	A - Int. Ag.	2,400.00
S-4345	Abraham Akiona	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-05:22	.770	A - Int. Ag..	35.00
S-4348	Samuel Akina	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:43	.400	A - Int. Ag.	30.00
S-4349	Joseph J. Day	7/22/71-7/21/91	Wailua Hmstds., Hana (Koolau)	1-1-06:38	.850	A - Int. Ag.	35.00
S-4350	William H.D. & Anna M. King	7/22/71-7/21/2026	Ualapue, Kona, Molokai	5-6-02:01	2.100	U - Int. Ag. Res.	1,400.00
(D)S-4372	U.S. Dept. of Agriculture, Soil Conservation Service	1/01/73-12/31/98	Par. A-1, Molokai Farm Lots, Palaaau-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

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4374	Virginia & Mark Stephen Cundiff	4/12/73-4/11/2028	Honokala, Hamakualoa, Makawao	2-9-05:por. 20	.064	A - Unclass. ROW	\$ 0.31
S-4375	Assn. of Owners of Mana-Kai, Maui & Seaside Developers	4/12/73-9/24/2032	Kamaole, Wailuku (Kula)	3-9-04:por. 01 & 61	.107	U - Unclass. ROW	5.08
S-4377	Richard Tam Sing	5/11/73-5/10/93	Kaakakai Gulch, Kohoilo, Makawao (Kula)	2-3-07:15	14.100	A - Pasture	330.00
S-4433	County of Maui (Sublessees)	6/14/74-6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:02 5-2-04:16	772.242	A - Int. Ag.	Gratis
	Hikiola Cooperative, Inc.	5/01-77-4/30/2007	Palaau & Hoolehua, Molokai	5-2-04:16	(20.604)	A - Int. Ag. (Farmer's Co-Operative)	1,030.20
	Hawaii Tropical Plants, Ltd., Partnership	11/01/77-10/31/2007	Palaau & Hoolehua, Molokai	5-2-01:18 & 19	(79.104)	A - Int. Ag.	4,746.24
	William Pheil	2/01/80-6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:10	(23.701)	A - Int. Ag.	1,422.06
	Lokahi Pacific	2/25/80-6/13/2009	Palaau & Hoolehua, Molokai	5-2-01:20 & 27	(60.671)	A - Int. Ag.	2,426.84
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
S-4518	County of Maui, Dept. of Water Supply	9/26/75-9/25/95	Por. Kahului Airport, Kahului	3-8-01:75	2.922	U - Unclass.	Gratis
S-4519	Sylvia Senter	7/08/76-7/07/2031	Former Kaupakulua School Lot, West Kaupakulua, Makawao (Hamakualoa)	2-7-15:26	1.905	A - Int. Ag. Res.	2,110.00
S-4520	Donald N. Gard, Robert A. & Francine S. Frost	9/01/76-8/31/2001	Old School Lot at Kaeleku & Wakiu, Hana	1-3-04:15	4.000	A - Int. Ag.	600.00
S-4521	William F. Butzine & Avery G. Dresden	9/01/76-8/31/2001	Lot 29-0, Nahiku Hmstds., Nahiku, Hana	1-2-02:01	7.200	A - Int. Ag.	725.00
S-4523	Pioneer Mill Co., Ltd.	7/08/76-12/31/89	Honokowai, Lahaina	4-4-02:09 & 17	19.500 5.608 25.108	A - Int. Ag. Cane, Waste	492.00
S-4524	Hazel Oliveira & Louis J. Abreu dba H & E Ranch	9/01/76-8/31/2001	Kawaipapa & Wakiu, Hana	1-3-06:07	421.000	A - Pasture & C	1,200.00
S-4529	Kipahulu Investment Co.	9/01/76-8/31/2001	Gov't Land of Kipahulu, Hana	1-6-05:21, 22 & 27; 1-6-08:02 & 04	73.593	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

GENERAL LEASES

ISLAND OF MAUI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4531	Kaupo Ranch, Ltd.	9/01/76-8/31/2001	Kaupo, Hana	1-7-03:24 & 27	78.890	A - Pasture & C	1,650.00
S-4532	Charles S. Ota dba Landmark Ranch	9/01/76-8/31/2001	Waiohuli-Keokea, Makawao	2-2-04:31	139.280	A - Pasture	\$ 4,000.00
S-4533	Charles S. Ota dba Landmark Ranch	9/01/76-8/31/2001	Waiohuli-Keokea, Makawao	2-2-05:47 & 53	242.390	A - Pasture	3,600.00
S-4535	Murray Hunter & Klaus Orleans	9/01/76-8/31/2001	Hamakualoa, Makawao	2-9-13:14	79.100	A - Pasture	2,700.00
S-4538	Railroads of Hawaii dba Lahaina Kaanapali & Pacific Railroad Co.	7/08/76-7/07/2016	Parcels 1, 2, 3 4 & 5, Kapunakea 1 & Wahikuli, Lahaina	4-5-14:77 4-5-21:11 4-5-17:49 4-5-30:138	4.212	U - Unclass. ROW	1,390.00
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
S-4544	The Episcopal Church in Hawaii	5/24/74-5/23/2039	Waiohuli, Wailuku (Kula)	3-9-01:12	3.000	U - Unclass. Elee.	180.00
S-4562	Robert Daniel & Patricia M. Omer	7/01/77-6/30/2042	Wakiu, Hana	1-3-04:06, 11 & 20	.805	A - Unclass. ROW	19.54
S-4567	Honofed Corp.	1/02/74-1/01/2029	Kahului	3-7-02:por. 04 & 22	.292	U - Unclass. Water/Sewer Lines	53.33
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
S-4599	U.S. Postal Service	3/23/79-3/22/2034	Honoapiilani Hwy. (East Side), Wahikuli, Lahaina	4-5-21:14	2.813	U - Com/Ind. P.O.	15,750.00
S-4613	Susumu Jinnai & Rose Fumiko Jinnai & Alexander Isamu Egusa & Jean Machida Egusa	11/28/75-11/27/2030	Honouliwai, Molokai	5-8-03:6 & 12	.155	A - Unclass. ROW	87.00 Full Term
S-4660	Aina O Kipahulu Assn.	10/30/79-10/29/2044	Kaumakani & Puaaluu, Kipahulu, Hana	1-5-11:por. 7 1-6-02:por. 9	39.000	A - Watershed & C Water License	32.00
S-4661	Hana Ranch, Inc.	10/30/79-10/29/2044	Kaumakani & Puaaluu, Kipahulu, Hana	1-5-11:por. 7 1-6-02:por. 9	39.000	A - Watershed & C Water License	43.00
S-4727	County of Maui	3/27/81-3/26/2046	Waiohaka, Lahaina	4-6-07:01	2.008	U - Unclass. (Multi-Use Community Facility)	Gratis
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
S-5008	Pioneer Mill Co., Ltd.	5/23/67-5/22/87	Lahainaluna Sch. Lands, Lahaina	4-6-18:13 & 17	25.924 6.759 9.400 42.083	U - Int. Ag. & A Cane, Waste Kam III School	870.00
S-5010	Edward B. & Sylvia Mildred Perreira	5/23/67-5/22/87	Wailua-Nui, Hana (Koolau)	1-1-08:14	59.910	A - Pasture & C	360.00
S-5011	Leigh-Wai Doo	5/23/67-5/22/2032	Honouliwai	5-8-03:por. 12	.176	A - Unclass. ROW	1.87
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 1982-83

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	1,261.844	\$ 94,772.00	51
Special livestock use	-----	-----	---
Pasture use	3,609.244	8,975.00	6
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	85.519	420.00	3
Watershed use	1,534.500	32,600.00	1
Res. use	3.525	1.00	1
Commercial and industrial use	193.504	969,114.00	35
Hotel, apartment and motel use	-----	-----	---
Resort use	-----	-----	---
Unclass. uses	8,033.586	565,662.84	83
Totals	14,721.722	\$ 1,671,544.84	180

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 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)L-1755	Hawaiian Electric Co., Ltd.	4/07/26- Indefinite	Auwaiolimu & Kewalo		.210	U - Unclass. ROW	\$ 1.00
(D)S-1756	Hawaiian Electric Co., Ltd.	6/21/72- Indefinite	Waialea, Koolauloa		1.020	C - Unclass.	12.00
(D)S-3702	Honolulu Gas Co., Ltd.	3/21/62- 3/20/92	Wilikina Dr., Wahiawa	7-3-01	.051	U - Unclass. ROW	220.00
S-3709	The Oceanics Foundation	8/21/62- 8/20/2027	Waimanalo, Koolau-poko	4-1-14:03, 04 & por.07	118.000	U - Unclass. Elee.	12,000.00
S-3726	Pacific (Heftel) Broadcasting Company of Hawaii, Inc.	1/12/63- 1/11/83	Ala Wai Blvd., Kalia, Waikiki	2-6-13	1.236	U - Unclass. ROW	130.00
S-3727	Amancio R. & Serafina Nacapoy	1/14/63- 1/13/2028	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

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-3845	U.S. of America (Army)	8/17/64-8/16/2029	Kaena Point Tracking Station	8-2-01:04, 05, 06, 10, & 21 8-1-01:01 & 10	137.980	C - Unclass.	1.00 Full Term
(D)S-3846	U.S. of America (Army)	8/17/64-8/16/2029	Kawailoa Training Area	7-2-01	4,390.000	C - Unclass.	1.00 Full Term
(D)S-3848	U.S. of America (Army)	8/17/64-8/16/2029	Makua Training area, Parcels A & B		1,515.121	C - Unclass.	1.00 Full Term
(D)S-3850	U.S. of America (Army)	8/17/64-8/16/2029	Kahuku Training Area	5-8-02:02 5-9-06:26	1,149.720	C - Unclass.	1.00 Full Term
(D)S-3864	University of Hawaii	7/01/65-6/30/2030	Kaakaukui, Honolulu	2-1-60:1	5.450	U - Unclass.	1.00
(D)S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Overhead easement over por. E.O. 1346, Kapalama Honolulu	1-5-42	.115	U - Unclass. ROW	75.00
(D)S-3897	Hawaiian Electric Co., Inc.	3/11/65-3/10/2030	HHL, Nanakuli	8-9-07	2.164	U - Unclass. ROW	\$ 84.00
(D)S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Makiki 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, Waikele	9-3-02 9-4-11 9-4-13 9-4-14	.262	C - Unclass. ROW	70.40
(D)S-3903	Hawaiian Telephone Co.	3/11/65-3/10/2030	Diamond Head Tunnel, Kapahulu, Honolulu	3-1-42	.959	U - Unclass. ROW	1.00
(D)S-3904	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kalihi-Waena School, Honolulu	1-3-08	.418	U - Unclass. ROW	205.00
(D)S-3905	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Laelae, Kalihi Valley, Honolulu	1-4-22	.365	U - Unclass. ROW	\$ 50.00
(D)S-3906	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu	1-5-41	.481	U - Unclass. ROW	200.00
S-3915	Assoc. of Apt. Owners of Sea View	6/21/65-5/20/2030	Kewalo, Honolulu	2-2-04	.043	U - Unclass. ROW	78.00
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 Waialeale Boys' Home, Koolauloa	5-8-01	12.854	U - Com/Ind.	6,324.00
S-3996	Y. Hata & Co., Ltd.	8/05/67-8/04/2022	Food Distribution Center, 1st Increment, Kaakaukui, Honolulu	2-1-58	4.146	U - Com/Ind.	48,750.00

GENERAL, LEASES

ISLAND OF OAHU

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4017	Aloha Council, Boy Scouts of America	6/10/66-6/09/96	Reservoir Lot, Kaimuki, Honolulu	3-2-35	.657	U - Rec.	\$ 150.00
S-4027	Communications Satellite Corp.	12/28/66-12/27/2031	Mt. Kaala, Por. Mokuleia For. Res., Waialua	6-7-03	.106	C - Com/Ind.	330.00
(D)S-4094	City & County of Honolulu	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	Kaakaukukui, Honolulu	2-1-58	2.500	U - Unclass.	1.00 Full Term
(D)S-4104	Hawaiian Electric Co., Inc.	4/15/66-5/28/2028	Kapahulu, Honolulu	3-1-42	.154	U - Unclass. ROW	10.00
S-4110	Hawaii Kai Community Services Co.	9/15/67-9/14/2032	Maunaloa	3-9-15	.650	U - Unclass. ROW	255.00
S-4113	Val's U-Drive, Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:08	.676	U - Com/Ind.	10,900.00
S-4114	Jack Altman	10/10/67-10/09/2007	Moanalua	1-1-06:09	.909	U - Com/Ind.	18,800.00
S-4115	G. W. Murphy Construction Co., Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:10	.946	U - Com/Ind.	12,200.00
S-4116	Hawaii Industrial Partners #1	10/10/67-10/09/2007	Moanalua	1-1-64:11	1.010	U - Com/Ind.	15,600.00
S-4117	Shafter Land Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:12	1.010	U - Com/Ind.	\$ 15,300.00
S-4118	Economics Laboratory, Inc.	10/10/67-10/09/2007	Moanalua	1-1-64:13	1.010	U - Com/Ind.	16,400.00
S-4119	W. E. Fallon	10/10/67-10/09/2007	Moanalua	1-1-64:14	1.094	U - Com/Ind.	18,600.00
S-4120	Electrical Distributors, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-64:15	.918	U - Com/Ind.	15,500.00
S-4121	Emmett Paul Simpson	10/10/67-10/09/2007	Moanalua	1-1-64:16	.918	U - Com/Ind.	15,600.00
S-4122	Equipment Service Co., Ltd.	10/10/67-10/09/2007	Moanalua	1-1-64:17	.507	U - Com/Ind.	7,500.00
S-4123	Douglas K. Takata	10/10/67-10/09/2007	Moanalua	1-1-64:19	.566	U - Com/Ind.	9,600.00
S-4124	Sen Plex Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:19	.574	U - Com/Ind.	9,100.00
S-4125	Oahu Development Corp.	10/10/67-10/09/2007	Moanalua	1-1-64:20	.574	U - Com/Ind.	9,600.00
S-4126	Ikazaki, et al.	10/10/67-10/09/2007	Moanalua	1-1-64:21	.574	U - Com/Ind.	17,000.00
S-4127	Tropical Isle Commercial Development	10/10/67-10/09/2007	Moanalua	1-1-64:22	.574	U - Com/Ind.	\$ 17,000.00
(D)S-4129	U.S. of America, Federal Aviation Administration	5/31/67-5/30/2032	Fort Ruger		.099	U - Unclass.	Gratis
S-4131	Waianae Valley Ranch, Inc.	10/19/67-10/18/87	Waianae	8-5-06	1,272.000	A - Pasture	3,100.00
S-4216	Powerline Oil Co.	12/05/68-12/04/2033	Kapalama, Honolulu	1-5-34:por. 04 & 08	.112	U - Unclass. ROW	915.00
S-4217	Ernest W. Albrecht	12/05/68-12/04/2033	Puea, Waianae	8-5-05:por. 09	.612	A - Unclass. ROW	21.00
S-4218	Waipahu Soto Zen Temple Taiyoji	12/05/68-12/04/2033	Cemetery Lot, Pouhala, Waialeale, Ewa	9-4-27:124	.229	U - Unclass. Elee.	12.00
(D)S-4220	University of Hawaii	1/29/69-1/28/2034	Kaimuki Tract 49, Kapahulu	3-2-31	8.053	U - Unclass.	Gratis

GENERAL LEASES

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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 Kalawaianui Nakoa	9/04/69-9/03/2034	Palolo Valley, Por. Anuenue Elem. School	3-4-04	.031	U - Unclass. ROW	\$ 31.17
S-4290	Albert C. Kobayashi, Inc.	3/12/70-3/11/2010	Lot 1, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.232	U - Com/Ind.	7,200.00
S-4291	Bert A. Kobayashi	3/12/70-3/11/2010	Lot 2, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.233	U - Com/Ind.	7,500.00
S-4292	Home Communications Services Corp.	3/12/70-3/11/2010	Lot 3, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.527	U - Com/Ind.	16,700.00
S-4293	Rite-Way Co., Ltd. & Quality Pacific, Ltd.	3/12/70-3/11/2010	Lot 4, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.492	U - Com/Ind.	15,900.00
S-4294	Hawaii Business Associates, Inc.	3/12/70-3/11/2010	Lot 5, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-64	.477	U - Com/Ind.	16,200.00
S-4304	Thomas D. & Karen C. Perkins	5/19/70-5/18/2035	Por. Kalawahine, Honolulu	2-5-19:por. 05	.033	U - Unclass. ROW	30.00
S-4329	Waiahole Irrigation Co., Ltd.	1/01/71-12/31/2000	Kahana, Koolaupoko	4-8-13:por. 01; 5-2-01:por. 01	1,534.500	C - Watershed	32,600.00
(D)S-4337	Hawaii State Chapter of the American Red Cross	5/06/71-5/05/2036	Kapahulu, Waikiki	3-1-42	1.000	U - Unclass. (Elee)	\$ 1.00 Full Term
S-4341	City & County of Honolulu	7/01/74-6/30/2039	Por. of Gov't land of Sand Island	1-5-41:por. 03	50.000	U - Unclass.	Gratis
(D)S-4352	Hawaii Assoc. of Retarded Children	5/12/72-5/11/2037	Por. LP 8165, Part B, Por. LCA 8559-B, Apana 32, Por. land conveyed by Wm. Lunalilo & por. Diamond Head Res.	3-1-42:por. 30	2.243	U - Unclass. (Elee)	120.00
(D)S-4356	Daughters of Hawaii	8/25/72-8/24/2037	Queen Emma Hse. Residence, Nuuanu Valley, Hon.	2-2-34:27 & por. 28	2.160	U - Unclass. Elee.	150.00
S-4367	Vista Delmar	11/06/72-11/05/2037	Moanalua, Honolulu	1-1-63	.141	U - Unclass. ROW	75.38
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
S-4387	Lester McCoy Boys' Club dba Boys' Club of Honolulu	9/01/73-8/31/2023	Por. Washington Inter. School, Pawa, Honolulu	2-3-26	.565	U - Unclass. Elee.	\$ Gratis
(D)S-4390	U.S. of America (Army)	11/05/73-12/31/83	Lot 1103 B, adj.	1-1-02:Por. 4	10.000	U - Unclass.	Gratis
(D)S-4402	Hawaiian Telephone Co.	4/04/72-4/03/2037	Nanakuli, Waianae	8-9-08:04	.898	C - Unclass.	250.00
(D)S-4403	Hawaii Housing Authority	9/20/74-9/19/94	Kuwili, Honolulu	1-5-07	1.452	U - Unclass.	Gratis
(D)S-4404	City & County of Honolulu, Honolulu Redevelopment	8/23/74-8/22/2039	Par. 17, 20-22, Kukui Project, Hon.	2-1-09	.143	U - Unclass.	Gratis

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-4405	Produce Center Development, Ltd.	7/19/74- 7/18/2029	Kaakaukui (Food Distribution Ctr) Honolulu	2-1-60:09	9.522	U - Com/Ind.	168,000.00
(D)S-4407	Pierco, Inc.	9/26/74- 10/20/2027	Waimanalo, Koolaulopoko	4-1-14:Adj. 06	1.729	C - Com/Ind.	3,600.00
(D)S-4408	U.S. of America (Coast Guard)	10/30/74- 10/29/2039	Kaakaukui, Honolulu	2-1-57	.031	U - Unclass.	Gratis
(D)S-4411	Honolulu Community Theatre	8/18/74- 8/17/2024	Kapahulu, Honolulu	3-2-20:01	2.735	U - Com/Ind.	1,800.00
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-4482	Waianae Hawaiian Heritage Cultural Center, Inc.	8/23/74- 8/22/77	Por. of Gov't (Crown) land of Waianae, Waianae-Kai	8-5-18:Por. 01	1.154	U - Unclass. Elee.	1.00
S-4485	Inscon Development Company	10/30/75- 10/29/2030	Hanakoe, Kawela, Koolauloa	5-7-01	.214	U - Unclass. ROW	38.39
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
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
S-4513	Variety Club School & Special Education Center	3/15/76- 3/14/2040	Fort Ruger, Hon.	3-1-42:Por. 18	4.291	U - Unclass. Elee.	120.00
S-4543	Kenneth Pratt	11/24/75- 11/23/2040	Waialua	6-1-08:03	.012	U - Unclass. ROW	430.00
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
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
S-4561	Waianae Kai Development, Inc.	7/1/77- 6/30/97	Waianae	8-5-05	97.764	U - Unclass. Elee.	1.00
S-4578	Basin Project, Inc.	12/23/77- 12/22/2042	Por. Filled Land, Kaakaukui (Kewalo Basin)	2-1-58:41 & 48	.621	U - Com/Ind.	40,500.00
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
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
S-4582	Mokauea Fishermen Association	6/01/78- 5/31/2043	Kaliawa & Mokauea, Kalihi	1-5-41	13.750	U - Unclass. Elee.	150.00
S-4588	Hawaiian Telephone Co.	6/06/73- 6/05/2038	Puu Ohia Radio Sta. Sites A&B, & Parcels C, D, E, & F, Situated at Kalawahine & Opu, Honolulu, Oahu	2-5-19	1.300	C- Unclass. ROW	3,711.00
S-4589	Basin Project, Inc.	6/30/78- 12/29/2042	Por. of Filled Land of Kaakaukui (Kewalo Basin) plus easement for air rights over portions of adjoining coral reef area above Kewalo Basin Channel	2-1-58:por. 10 & 41	.233 (Parcel A) .144 (Easement)	U - Com/Ind.	\$ 12,000.00
S-4590	Honolulu Community Action Program, Inc.	1/1/77- 12/27/81	Por. of Waianae-Kai Military Reservation including Bldg. 38 and 39, Waianae-Kai, Oahu	8-5-02:12	4.020	U - Com/Ind.	Gratis

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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
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
S-4605	United States of America	1/1/79-12/31/83	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)
S-4611	City & County of Honolulu, Building	10/01/79 9/30/2029	Waihee, Koolau-poko	4-7-02:17	.606	U - Unclass.	120.00
S-4612	Del Monte Corp.	1/1/80 12/31/94	Waikale, Ewa	9-4-12:1, 2 & 3	587.380	A - Int. Ag.	39,500.00
S-4631	Sudbrink Broadcasting Co. of HI, K(O)KUA Radio One Corp., Heftel Broadcasting Corp., Communications Hawaii, Inc.	5/5/80 5/4/2035	Kaakaukui	2-1-58:48	.082	U - Unclass.	30,000.00
S-4643	Gem of Hawaii, Inc.	6/1/80 5/31/2035	Kuwili	1-5-20:6	2.749	U - Com/Ind.	140,000.00
S-4644	Cormax Corp.	5/14/80-5/13/2035	Kalauao, Ewa	9-9-10:33	3.697	U - Com/Ind.	91,000.00
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.	\$ 4,000.00 (\$252,000.00 Full Term) (paid)
(D)S-4693	City & County of Honolulu	7/1/80-6/30/2045	Lualualei, Waianae	8-7-07:por. 1	1.399	- Unclass. (Sewage Pump Sta. & ROW)	Gratis
S-4776	City & County of Honolulu		Paalaa Uka, Waialua, Oahu	6-4-03:02	5.000	A - Int. Ag. and Housing	Gratis
S-4783	Honolulu Community Action Program	12/28/81 12/27/82	For Waianae-Kai Military Reservation	8-5-02:15	4.000	U - Unclass.	Gratis
S-4825	Waikiki Community Center		Waikiki, Oahu	2-6-25:02	1.477	U - Unclass. Elee.	120.00
S-4826	DSSH & Goodwill Industries of Honolulu, Incorporated	9/1/81-8/31/2031	Lot 3, Shafter Flats Ind. Dev., Unit II	1-1-64:27	1.578	U - Unclass. Elee.	1.00 Full Term
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-5006	University of Hawaii	6/01/67-5/31/2032	Mt. Kaala, Mokuleia For. Reserve	6-7-03	.110	U - Unclass.	Gratis
S-5013	First Church of Christ, Scientist	5/25/67-5/24/2032	Honolulu	2-4-08	.050	U - Unclass. Elee.	110.00
<u>WAIMANALO AGRICULTURAL LEASES</u>							
S-3753	SGVG Corp.	12/02/63-12/01/2010	Lot 2, Waimanalo Ag Subdv. Koolau-poko	4-1-10:31	3.429	A - Int. Ag.	\$ 355.00
S-3754	Servco Pacific, Inc.	12/02/63-12/01/2008	Lot 3, Waimanalo Ag Subdv. Koolau-poko	4-1-10:32	4.147	A - Int. Ag.	360.00
S-3755	Ronald H. Deisseroth	12/02/63-12/01/83	Lot 4, Waimanalo Ag Subdv. Koolau-poko	4-1-10:33	5.106	A - Int. Ag.	350.00

GENERAL LEASES

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3756	Norman and Adeline Thomas	12/02/63-12/01/2006	Lot 5, Waimanalo Ag Subdv. Koolaupoko	4-1-10:34	5.193	A - Int. Ag.	536.00
S-3757	Steven & Jeannie Saiki	12/02/63-12/01/2005	Lot 9, Waimanalo Ag Subdv. Koolaupoko	4-1-10:40	3.742	A - Int. Ag.	770.00
S-3758	Kazuto Yamada	12/02/63-12/01/2006	Lot 10, Waimanalo Ag Subdv. Koolaupoko	4-1-10:41	4.094	A - Int. Ag.	700.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/02/63-12/01/2008	Lot 11, Waimanalo Ag Subdv. Koolaupoko	4-1-10:42	4.486	A - Int. Ag.	375.00
S-3760	Kaname & Ethel H. Tanaka	12/02/63-12/01/2008	Lot 12, Waimanalo Ag Subdv., Koolaupoko	4-1-10:43	4.635	A - Int. Ag.	780.00
S-3761	Windward Plants Company, Ltd.	2/02/64-2/01/2011	Lot 13, Waimanalo Ag Subdv., Koolaupoko	4-1-10:44	4.014	A - Int. Ag.	360.00
S-3762	Henry Hiroshi Miyamoto	2/02/64-2/01/84	Lot 14, Waimanalo Ag Subdv., Koolaupoko	4-1-10:46	5.137	A - Int. Ag.	420.00
S-3763	William K and Charlotte K. Fuller	12/02/63-12/01/83	Lot 15, Waimanalo Ag Subdv., Koolaupoko	4-1-10:48	5.256	A - Int. Ag.	\$ 410.00
S-3764	Servco Pacific, Inc.	12/02/63-12/01/2008	Lot 16, Waimanalo Ag Subdv., Koolaupoko	4-1-10:08	3.228	A - Int. Ag.	295.00
S-3765	James I & Patricia Hee Kuroiwa, Jr.	12/02/63-12/01/83	Lot 25, Waimanalo Ag Subdv., Koolaupoko	4-1-27:30	7.787	A - Int. Ag.	560.00
S-3766	Rodney H. and Iris T. Fukui	12/02/63-12/01/2000	Lot 26, Waimanalo Ag Subdv., Koolaupoko	4-1-27:29	7.001	A - Int. Ag.	725.00
S-3767	Kazuto & Ayako Yamada	12/02/63-12/01/2006	Lot 27, Waimanalo Ag Subdv., Koolaupoko	4-1-27:28	7.195	A - Int. Ag.	1,170.00
S-3768	Stanley S. Kawabata	12/02/63-12/01/2010	Lot 28, Waimanalo Ag Subdv., Koolaupoko	4-1-27:27	6.836	A - Int. Ag.	1,360.00
S-3769	Mun On & Rosalind K. Chang	12/02/63-12/01/83	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-3772	Herbert M. Suzuki	12/02/63-12/01/83	Lot 32, Waimanalo Ag Subdv., Koolaupoko	4-1-27:18	6.521	A - Int. Ag.	1,300.00
S-3773	Servco Pacific, Inc.	12/02/63-12/01/93	Lot 34, Waimanalo Ag Subdv., Koolaupoko	4-1-27:11	9.565	A - Int. Ag.	\$ 1,520.00
S-3774	Katsumi Mashita	12/02/63-12/01/2002	Lot 35, Waimanalo Ag Subdv., Koolaupoko	4-1-27:10	8.541	A - Int. Ag.	1,380.00
S-3775	Rainbow Properties, Inc.	12/02/63-12/01/2004	Lot 36, Waimanalo Ag Subdv., Koolaupoko	4-1-27:09	8.860	A - Int. Ag.	1,430.00
S-3776	Howard E. & Naomi H. Chaille	12/02/63-12/01/83	Lot 37, Waimanalo Ag Subdv., Koolaupoko	4-1-27:12	8.513	A - Int. Ag.	490.00
S-3777	Sharon's Plants, Ltd.	12/02/63-12/01/2011	Lot 39, Waimanalo Ag Subdv., Koolaupoko	4-1-27:08	7.883	A - Int. Ag.	515.00
S-3778	Sharon's Plants, Ltd.	12/02/63-12/01/2006	Lot 40, Waimanalo Ag Subdv., Koolaupoko	4-1-27:07	5.686	A - Int. Ag.	1,374.00
S-3779	Sharon's Plants, Ltd.	12/05/63-12/04/2006	Lot 41, Waimanalo Ag Subdv., Koolaupoko	4-1-27:06	6.032	A - Int. Ag.	1,152.00
S-3780	Larry & Patrice Goebelt	12/02/63-12/01/2008	Lot 46, Waimanalo Ag Subdv., Koolaupoko	4-1-26:19	6.705	A - Int. Ag.	1,100.00
S-3782	Peter A & Gertrude Pak Chong	12/02/63-12/01/83	Lot 48, Waimanalo Ag Subdv., Koolaupoko	4-1-26:17	7.136	A - Int. Ag.	550.00
S-3783	Johnny & Pauline B. Castillo	12/05/64-2/04/84	Lot 1, Waimanalo Ag Subdv., Koolaupoko	4-1-08:30	11.092	A - Pasture	705.00
S-3784	Edward D. & Carroll Sultan, Jr.	12/02/63-12/01/83	Lot 22, Waimanalo Ag Subdv., Koolaupoko	4-1-27:20	19.481	A - Pasture	\$ 730.00

GENERAL LEASES

ISLAND OF OAHU

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 McLellan	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 Kawananaoka	12/02/63-12/01/93	Lot 18B, Waimanalo Ag Subdv., Koolaupoko	4-1-10:05	5.744	A - Pasture	700.00
S-3854	Patricia & Nancy Maloney	8/10/64-8/09/84	Lot 47, Waimanalo Ag Subdv., Koolaupoko	4-1-26:18	5.492	A - Int. Ag.	550.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64-8/09/2002	Lot 9, Waimanalo Farm Lots, Koolaupoko	4-1-24:23	9.474	A - Int. Ag.	1,520.00
S-3858	Warren Q.K. & Ellen S.P. Yee	8/10/64-8/09/2004	Lot 8, Waimanalo Ag Subdv., Koolaupoko	4-1-10:39	3.662	A - Int. Ag.	510.00
S-3859	Faith Kiyoko Okabe	8/10/64-8/09/84	Lot 56A & 56B, Waimanalo Farm Lots, Koolaupoko	4-1-25:22 & 23	8.923	A - Int. Ag.	580.00
S-3860	Yong & Helen Y. Kam	8/13/64-8/12/84	Lot 31, Waimanalo Farm Lots, Koolaupoko	4-1-24:62 & 63	6.862	A - Int. Ag.	640.00
S-3861	Nolan B. George	8/10/64-8/09/2004	Lot 33, Waimanalo Ag Subdv., Koolaupoko	4-1-27:16	20.056	A - Pasture	\$ 900.00
S-4007	Living Designs, Inc.	9/12/66-9/11/2005	Lot 23 & 24, Waimanalo Ag Subdv., Koolaupoko	4-1-27:23 & 24	34.538	A - Int. Ag.	2,600.00
S-4008	Walter F.L. & Evelyn Z. Chong	9/11/66-9/11/86	Lot 38, Waimanalo Ag Subdv., Koolaupoko	4-1-27:14	20.395	A - Int. Ag.	960.00
S-4009	Char Hung Sut Fish Farms	9/12/66-9/11/86	Lot 28, Waimanalo Farm Lots, Koolaupoko	4-1-24:54	9.454	A - Int. Ag.	800.00
S-4010	Arnold & Louise Swartz	9/12/66-9/11/86	Lot 67, Waimanalo Farm Lots, Koolaupoko	4-1-18:40	7.021	A - Int. Ag.	1,030.00
S-4011	Matsuko Beveridge	9/12/66-9/11/96	Lot 43, Waimanalo Ag Subdv., Koolaupoko	4-1-27:04	1.032	A - Int. Ag.	420.00
S-4093	Victor & Harriet Towne Gega	3/20/67-2/19/97	Lot 44, Waimanalo Ag Subdv., Koolaupoko	4-1-27:02	1.002	A - Int. Ag.	450.00
S-4095	Olomana Golf Links, Inc.	5/04/67-5/03/2007	Waimanalo, Koolaupoko	4-1-13:10	129.859	U - Com/Ind.	16,500.00
S-4101	Foremost Dairies-Hawaii, Ltd.	7/20/67-7/19/97	Waimanalo Ag Subdv., Koolaupoko	4-1-08:Por. 05 4-1-26:04	195.810	A - Int. Ag.	8,100.00
S-4133	Joseph N.A. Ryan, Jr.	10/26/67-10/25/87	Lot 49, Waimanalo Ag Subdv., Koolaupoko	4-1-26:15	8.450	A - Int. Ag.	2,000.00
S-4296	Ernest F. and Donna Carlhom	3/12/70-3/11/2010	Lot 17, Waimanalo Ag Subdv., Koolaupoko	4-1-10:07	11.001	A - Int. Ag.	\$ 2,100.00
S-4297	Mahalo Farms	3/12/70-3/11/2007	Lot 19, Waimanalo Ag Subdv., Koolaupoko	4-1-10:04	14.054	A - Int. Ag.	4,400.00
S-4298	Donald R. & Virginia M. Hillis	3/12/70-3/11/90	Lot 20, Waimanalo Ag Subdv., Koolaupoko	4-1-10:03	15.587	A - Int. Ag.	3,600.00
S-4305	Francis Y. Yoshida	5/19/70-5/18/2035	Waimanalo, Koolaupoko	4-1-10:74	.049	A - Unclass. ROW	3.30
(D)S-4321	The Valiants	9/24/71-9/23/2036	Lot 21, Waimanalo Ag Subdv., Koolaupoko	4-1-10:02	20.062	A - Rec.	120.00
(D)S-4342	Hawaii Housing Authority	12/22/71-12/21/2046	Parcel A-1 Por. Gov't Crown Land	4-1-09	3.525	U - Res.	1.00 Full Term
S-4704	Waimanalo Council of Community Organization	11/1/79-10/31/81	Waimanalo	4-1-09:por. 265	23.312	U - Unclass. Elee.	120.00

SUMMARY OF GENERAL LEASES
FOURTH LAND DISTRICT - ISLAND OF KAUAI

Fiscal Year 1982-83

<u>1/</u> Use	Area (Acres)	Annual Rental	<u>2/</u> No. of Leases
Intensive agriculture use	40,156.657	\$ 668,732.20	55
Special livestock use	-----	-----	---
Pasture use	2,711.883	44,455.00	35
Commercial timber use	-----	-----	---
Quarry use	-----	-----	---
Mining use	-----	-----	---
Recreational use	36.627	681.00	4
Watershed use	131.250	98,400.00	3
Res. use	125.260	36,867.00	125
Commercial and industrial use	65.021	83,380.00	29
Hotel, apartment and motel use	6.068	49,800.00	2
Resort use	-----	-----	---
Unclass. uses	634.162	85,133.60	46
Totals	43,866.928	\$ 1,067,448.80	299

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 1982-83

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	William E. Fernandes	12/18/61- 12/17/86	Wailua Rice & Kula Lots, Kawaihau Puna	4-2-03:05	4.406	U - Com/Ind.	1,000.00
S-3675	Hironu & Toneyo Takeuchi Choriki	2/15/62- 2/14/83	Hanapepe Town Lots, Waimea	1-9-10:35	1.370	U - Res.	600.00
S-3679	William K. Lemm	12/18/61- 12/17/91	Anahola Lots, Koolau	4-8-08:32	2.610	U - Res.	240.00
S-3680	Lihue Plantation Co., Ltd.	12/18/61- 12/17/86	Wailua Rice & Kula Lots, Wailua, Puna	3-9-02:09	5.430	A - Int. Ag.	220.00
S-3694	Shoichi Nagamine	1/27/62- 1/26/92	Hanapepe Valley, Waimea, Kona	1-9-03:06	7.826	A - Int. Ag.	190.00
(D)S-3711	County of Kauai	11/15/62- 11/14/2027	Hanapepe, Waimea, Kona	1-9-02:44, 46 1-9-03:23 1-9-04; 1-9-11; 1-9-12:47, 48, 49 & 50	10.426	A - Unclass.	\$ Gratis
(D)S-3713	County of Kauai	11/15/62- 11/14/2027	Abandoned WW II Underground Tunnel, Puupae, 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 1982-83

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
S-3734	Tokiwa Shimonishi (Mrs.)	2/25/63-2/24/83	Hanapepe Town Lots, Waimea, Kona	1-9-10:37	.097	U - Com/Ind.	455.00
S-3735	McBryde Sugar Co., Ltd.	4/26/63-4/25/83	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-12:28	7.218	A - Int. Ag.	760.00
S-3736	Susumu Nakamura	4/26/63-4/25/83	Anahola Gov't. Remnant, Parts 1 & 2, Kawaihau, Koolau	4-8-12:04 & 06 4-8-13:13	3.090	A - Pasture	122.00
S-3737	Island Holidays, Ltd.	2/25/63-2/24/83	Wailua, Kawaihau, Puna	4-1-03:05 & 17	14.834	U - Com/Ind.	5,254.00
(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-3798	George B. Fernandes	11/26/63-11/25/83	Por. Wailua, Kawaihau, Puna	4-1-09:08	13.227	A - Pasture	75.00
S-3799	Hitoshi Miyabara	11/26/63-11/25/83	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-12:37	2.430	A - Int. Ag.	97.20
S-3800	Noboru Munechika	1/25/64-1/24/84	Hanapepe Rice & Kula Lots, Waimea Kona	1-9-02:06 & 07	2.930	A - Int. Ag.	355.00
S-3801	Clarence K. Nonaka	1/25/64-1/24/84	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01:03	4.952	A - Int. Ag.	97.00
S-3802	Hanako A. Duarte (Mrs.)	1/25/64-1/24/84	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01:14	6.100	A - Int. Ag.	725.00
S-3804	Toraji & Chuichi Oshina	11/26/63-11/25/83	Anahola Lots, Kawaihau, Koolau	4-8-06:26	1.357	A - Int. Ag.	256.00
S-3814	Olokele Sugar Co., Ltd.	4/13/64-4/12/84	Sections A, B, C & D, Hanapepe, Waimea, Kona	1-8-06:02 1-8-07:03 & 10	1,888.050	A - Int. Ag. Cane	37,525.00
S-3815	Joseph S. Brun & Joseph Rita	6/12/64-6/11/84	Section E, Hanapepe, Waimea, Kona	1-8-06:03	287.130	A - Pasture	\$ 810.00
S-3827	East Kauai Water Co., Ltd.	5/11/64-5/10/94	Drainage Basins of N. Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, 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 Por. Res. Papaa, Moloaa, Kawaihau	4-9-10	125.000	C - Watershed License	2,400.00
S-3829	Chiyeiko K. Yoshii & Robert A. Lemm	5/11/64-5/10/84	Por. abandoned Maia Rd. & Lihue Plantation R/R R/W, Kawaihau	4-8-07:11 4-8-08:01 & 16	4.642	A - Int. Ag.	\$ 155.00
S-3830	Robert Y. & Shimayo Y. Hamamura	5/11/64-5/10/84	Anahola Lots, Kawaihau	4-8-11:16, 35, 36, 38 & 40	2.214	A - Int. Ag.	70.00
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

GENERAL LEASES

ISLAND OF KAUAI

Fiscal Year 1982-83

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
S-3832	Ichiji & Masako Matsumura	5/18/64-5/17/2019	Por. Kapaa, Kawaihau	4-5-11:46	.593	U - Com/Ind.	1,890.00
S-3840	Kauai Resort Hotel, Inc.	7/06/64-7/05/2029	Wailua resort Site, Wailua	3-9-06:20	6.093	U - Com/Ind.	18,000.00
S-3842	Bank of Hawaii	7/06/64-7/05/94	Hanapepe Town Lots, Waimea	1-9-05:49	.452	U - Com/Ind.	1,500.00
(D)S-3852	U.S. Of America (Navy)	8/20/64-8/19/2029	Bonham Air Force Base, Kona	1-2-02:25, 26, 27 & 28	189.557	U - Unclass. Fed.	1.00 Full Term
(D)S-3863	Kauai County, Y.W.C.A.	4/01/65-3/31/2020	Por. Kokee Camp Sites, Waimea	1-4-04:33	3.607	C - Rec.	125.00
S-3877	John Masashi Shimonishi	1/11/65-1/10/85	Hanapepe Rice & Kula Lots, Hanapepe Valley, Waimea, Kona	1-9-12:11	.950	A - Int. Ag.	40.00
S-3878	Ume N. Oshita	1/11/65-1/10/85	Anahola Lots (HHIL)	4-8-11:45	2.357	A - Int. Ag.	\$ 300.00
(D)S-3879	Kauai Electric Co., Ltd.	1/11/65-1/10/2030	Hanapepe Transformer Site, Waimea	1-8-08:70	.017	U - Unclass. ROW	26.00
S-3880	Olaf E. Thronas	1/11/65-1/10/85	Wailua Rice & Kula Lots, Wailua Kawaihau	3-9-03:05 & 10	13.830	A - Pasture	120.00
S-3881	Samuel K. Thronas	2/09/65-2/08/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-2-03:03	19.405	A - Pasture	500.00
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	1/11/65-1/10/85	Hanapepe Town Lots, Hanapepe	1-9-10:33	.181	U - Com/Ind.	350.00
S-3885*	Manuel Andrade, Jr.	3/19/65-3/18/85	Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-12:05	3.080	A - Int. Ag.	528.00
S-3889	Edward C. Shota	3/26/65-3/25/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:01, 03 & 04	12.300	A - Int. Ag.	401.00
S-3892	Masao Takatsuki	1/25/65-1/24/85	Wailua Rice & Kula Lots, Wailua Kawaihau	4-1-01:12	6.150	A - Int. Ag.	\$ 180.00
S-3893	Koon Chow Lai	1/25/65-1/24/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:07	16.850	A - Int. Ag.	280.00
S-3895	William E. Fernandes	1/25/65-1/24/85	Hanalei Hmstds., Hanalei	5-4-02:33 & 42	7.300	A - Int. Ag.	185.00
S-3910	Betty Wakasa Ushigome	4/14/65-4/13/85	Hanapepe Town Lots, Hanapepe	1-9-10:38	.095	A - Com/Ind.	240.00
(D)S-3911	Kauai Electric Co., Ltd.	4/14/65-4/13/2030	Por. Wailua, N. Oloheua, Waipouli, Lihue, Kawaihau, Puna	3-9-01 4-2-01	26.420	A - Unclass. ROW	515.00
(D)S-3917	U.S. of America	2/1/65-1/31/2020	Kokee Pacific Range Missile Facilities, Waimea	1-4-01:por. 13	22.900	C - Unclass.	600.00
(D)S-3928	U.S. of America (Army)	9/01/65-8/31/2030	Kokee, Waimea	1-4-01:por. 13	8.450	C - Unclass.	Gratis
(D)S-3937	County of Kauai	11/01/65-10/31/2030	Hanapepe, Waimea	1-9-04:21	3.151	U - Unclass.	Gratis
S-3939	Keith H. Williams & Leroy H. Shepard dba Alii Farms	12/16/65-12/15/85	Kapaa Hmstds., Kawaihau	4-6-05:07	4.750	A - Int. Ag.	\$ 250.00

GENERAL LEASES
ISLAND OF KAUAI
Fiscal Year 1982-83

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.	36.00
S-3944	John S. Rodrigues	11/16/65-11/15/85	Kapaa, Kawaihau Puna	4-6-08:35	3.995	A - Int. 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-3955	Joseph Prigge	3/19/66-3/18/86	Kapaa Hmstds., Kawaihau, Puna	4-6-05:05	2.600	A - Int. Ag.	48.00
S-3956	Keith H. Williams & Leroy H. Shepard dba Alii Farms	3/19/66-3/18/2001	Kapaa Hmstds., Kawaihau, Puna	4-6-05:02	4.410	A - Int. Ag.	\$ 150.00
S-3957	Jean E. Nadatani & Carol Ann DeCosta Shinagawa	2/17/66-2/16/2031	Kalaheo, Koloa Kona	2-3-02:51	.025	A - Unclass. ROW	7.50
S-3958	Edwin Martin	3/19/66-3/18/86	Kapaa Hmstds., Kawaihau, Puna	4-6-04:14	9.500	A - Pasture	400.00
S-3959	Frank D. Silva	3/19/66-3/18/86	Kapaa Rice & Kula Lots, Kawaihau Puna	4-3-04:09	25.710	A - Pasture	703.00
S-3960	Hitoshi & Hatsue K. Miyabara	2/17/66-2/16/86	Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02:01 & 20	3.657	A - Int. Ag.	329.00
S-3969	Eleanor K. Takeuchi & Akira Obatake	5/26/66-5/25/86	Hanapepe Town Lots, Waimea, Kona	1-9-05:41	.148	U - Com/Ind.	600.00
S-3970	Lawrence & Daisy Vidinha	5/26/66-5/25/86	Hanapepe Rice & Kula Lots, Waimea Kona	1-8-05:08	22.650	A - Pasture	162.00
S-3972	John S. Rodrigues	5/26/66-5/25/86	Kapaa Hmstds., Kawaihau, Puna	4-6-08:23 & 24	33.000	A - Int. Ag.	466.00
S-3973	Leialoha Dung	5/26/66-5/25/2031	Lot 25, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01:Por. 11	.174	A - Unclass. ROW	\$ 6.50
S-3974	Patrick M. & Clella L. 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	Peter H. & 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.	630.00

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S-3995	Peter H. & Helen H. Souza	7/14/66-7/13/86	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15:08	10.426	A - Int. Ag.	240.00
S-4021	Manuel J. Fernandes	11/17/66-11/16/86	Spring Res., Kalaheo, Koloa	2-4-01:05 2-4-02:01	1.760	A - Pasture	65.00
(D)S-4022	Hawaiian Telephone Co.	11/17/66-11/16/2031	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15:Por. 28	.156	A - Unclass. ROW	\$ 6.00
S-4023	Tetsuro Maeda & Yoshio Hiranaka dba T & Y	11/17/66-11/16/2021	Nawiliwili Harbor Lots, Lihue	3-2-04:11	.618	U - Com/Ind.	1,200.00
(D)S-4031	William P. Alexander, Jr. Benjamin Alexander & Henry Alexander	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:28	.920	C - Res.	171.00
(D)S-4033	Lawrence & Daisy R. Vidinha	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:21	.900	C - Res.	179.00
(D)S-4034	Edward & Jeanne N. 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	Niilo E. & Helen J. Koski	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:22	.910	C - Res.	276.00
(C)S-4038	Charles J. Haffner	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:43	1.030	C - Res.	216.00
(D)S-4039	Burt O. & Marion C. Wade	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:52	1.030	C - Res.	\$ 226.00
(D)S-4041	Joseph J. DeCosta, Sr. & Jean E. Nadatani	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:59	1.010	C - Res.	211.00
(D)S-4042	Manuel B. & Katherine Martin	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:60	1.010	C - Res.	201.00
(D)S-4043	Hawaiian Assoc. of Seventh-Day Adventists	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:56	1.110	C - Res.	267.00
(D)S-4046	Joaquin Sr. & Lucy C. Arruda	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:68	1.120	C - Res.	232.00
(D)S-4047	Ah Wo & Hatsue Ahana Calvin & Phillis Tokita	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:69	1.080	C - Res.	228.00
(D)S-4051	John F. & Gay Lee Bylander	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-03:04	.960	C - Res.	239.00
(D)S-4059	John C. & Dorothy Ann F. Hance	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:20	.840	C - Res.	222.00
(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	Keith Merrill Smith to Kenneth Page Richard A/S	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

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(D)S-4091	Joe T. & Betty W.S. Orrick	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:11	.310	C - Res.	91.00
S-4092	Samuel K. Thronas	2/16/67-2/15/2002	Parcels A & B, Wailua Game Res., N & S. Olohana Waipouli, Kapaa, Kawaihau	4-2-01:01 4-4-01:01	1,855.000	A - Pasture	2,030.00
(D)S-4128	Boy Scouts of America, Aloha Council	12/01/67-11/30/2022	Waimea Canyon Park, Waimea (Kona)	1-4-01:15	29.000	C - Rec.	120.00
S-4135	McBryde Sugar Co., Ltd.	11/29/67-11/28/2032	Waimea (Kona)	1-9-03:02, 03 & 04	1.710	A - Unclass. ROW	\$ 26.00
S-4140	Destinations Development Corp.	2/14/68-2/13/2023	Lihue (Puna)	3-9-04:02	22.160	C - Com/Ind.	8,688.00
(D)S-4142	Hawaii Conference, 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	14-4-04:28	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 T. & Charlene R. Hoe	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:53	.540	C - Res.	177.00
(D)S-4154	Koichi & Asayo Ikeda	1/01/66-12/31/85	Kokee Camp Site, Waimea	1-4-04:50	.420	C - Res.	192.00
(D)S-4155	William M. & Jean B. Moragne, Jr.	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:31	.970	C - Res.	183.00
(D)S-4156	Hajime & Kimiyo O. Takanishi	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:18	.970	C - Res.	203.00
(D)S-4157	Carlo Panfiglio	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:32	1.130	C - Res.	210.00
(D)S-4158	James F. II & 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	National Division of the Board of Missions of the Methodist Church	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4178	Kiyoshi & Julia Nakaya	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:51	1.050	C - Res.	204.00
(D)S-4179	Richard Kawakami, Akira Toma & Edward M. Kawakami	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:61	.950	C - Res.	193.00
(D)S-4180	Richard H. Nagoshi Wallace K. & Yuriko N. Tasaka	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:66	.870	C - Res.	147.00
(D)S-4181	Sutezo & Hatsue I. Mukai	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:67	.790	C - Res.	174.00
(D)S-4182	Mervin K. & Aletha Goodwin Kaohi, Sr.	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:71	.900	C - Res.	188.00
(D)S-4183	Henry T. & Michie S. Tanaka	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:73	.960	C - Res.	185.00
(D)S-4184	Isaac W. & Gladys Y. Kaiu	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:75	.980	C - Res.	164.00
(D)S-4185	Alec & Agnes L. Blackstad	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:79	1.110	C - Res.	\$ 209.00
(D)S-4186	Doris F. & George K. Crowell	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:81	1.000	C - Res.	209.00
S-4200	William E. Fernandes	8/01/68-7/31/2023	Kawaihau (Puna)	4-5-15:40	2.035	U - Com/Ind.	825.00
(D)S-4214	Hui O Laka	1/01/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:45	.720	C - Res.	187.00
S-4222	Kekaha Sugar Co., Ltd.	1/01/69-12/31/93	Waimea (inc. HHL) (Kona)	1-2-02:01	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	4/25/69-4/24/84	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 Zeka	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)	6/17/69-6/16/84	Parcels 1 & 2, Kokee State Park	1-4-01:03	1.343	C - Unclass.	Gratis
(D)S-4265	Kauai Electric Co., Ltd.	3/15/66-3/14/2031	Wailua, Lihue	3-9-06:26	.158	U - Unclass. ROW	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-4338	Waialeale Boat Tours, Inc.	5/15/72-5/14/82	Wailua River State Park, Kapaa		.008	C - Com/Ind.	500.00
(D)S-4353	University of Hawaii College of Tropical Agriculture	6/26/71-4/24/84	Wailua Rice & Kula Lots, Kawaihau (Puna)	4-1-02:12 & 18	8.430	A - Int. Ag.	1.00 Full Term
(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

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(D)S-4389	Manuel & Elsie F. Perez (Perry)	5/02/74-5/01/2039	Easement B, Lawai Hmstds., Lawai Kona	2-5-02	.024	A - Unclass. ROW	\$ 30.00
S-4392	Toshio & Lois N. Hashimoto	12/20/73-5/25/2031	Hanapepe Rice & Kula Lots, Hanapepe, Waimea Kona	1-9-01:11	4.080	A - Int. Ag. & Res.	1,951.00
S-4393	Christopher Barry Singleton	1/18/74-1/17/2029	Kainahola Pasture Land, Waipouli, Kawaihau (Puna)	4-4-04:44	40.260	A - Int. Ag.	3,025.00
S-4394	Pride Co., Inc.	12/20/73-12/19/93	Waiahole, Waimea Valley, Waimea (Kona)	1-5-03:01	11.660	A - Int. Ag.	650.00
S-4396	James George Jung, Jr., Ralph E. Daehler, Jean Gregg, Chester Holtwick & Derwyn Lackey	1/18/74-1/17/94	Kapaa Hmstds., Kawaihau (Puna)	4-4-03:31	19.150	A - Pasture	1,305.00
S-4397	Manji & Emma C. Onye	1/20/73-12/19/2038	Nawiliwili Harbor Nawiliwili, Lihue Puna	3-2-04:56	.808	U - Com/Ind.	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, Zenshujii, Inc.	7/01/74-6/30/2039	Hanapepe, Waimea (Kona)	1-8-08:77	3.126	U - Unclass.	\$ 2,400.00
(D)S-4406	County of Kauai	7/01/73-6/30/2038	Kalaheo, Koloa (Kona)	2-4-09:06	.171	C - Unclass. ROW	Gratis
S-4412	The Lihue Plantation Co., Ltd.	10/31/74-10/30/99	Wailua, Lihue (Puna)	3-9-01:02; 3-9-02:01, 12, 20,25, 26, 27 & 28; 3-9-06:09	6,543.668	A - Int. Ag.	112,742.00
S-4413	The Lihue Plantation Co., Ltd.	10/31/74-10/30/99	Wailua, Kapaa & Anahola (Puna)	3-9-02:24; 3-9-06:12; 4-1-04:20; 4-3-04:08; 4-5-13:28; 4-5-15:35; 4-6-14:90; 4-7-04:04; 4-8-03:03;	31.000	A - Unclass. ROW	7,352.00
(D)S-4414	Rose Marie Kuntz, Donald T. Kuntz, Barbara A. Kuntz, Donna M. Kuntz, James S. Kuntz & Michael J. Kuntz	8/08/74-8/07/2039	Waioli, Hanalei (Halelea)	5-5-06	.212	A - Unclass. ROW	216.00 Full Term
(D)S-4436	Tenrikyo Taiheiyo Kyokai	9/01/75-8/31/2040	Kapaa Town Lots, Kapaa, Kawaihau	4-5-08:08	.347	U - Unclass.	1,680.00
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 & Kaniau K. Torris	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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
(D)S-4495	John Tenuto & Gayla C. McCarthy	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:27	.820	C - Res.	186.00
(D)S-4496	Lawrence L. & Annie Goodwin	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:15	1.030	C - Res.	216.00
(D)S-4497	Robert L. Stevens	1/01/76-12/31/85	Puu Ka Pele, Waimea	1-4-02:39	1.000	C - Res.	\$ 192.00
(D)S-4498	Harry I. & 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	Hawaiian Trust Co. (Will of Jean Faye)	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:05	1.110	C - Res.	234.00
(D)S-4505	Conway M. Marcallino	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:07	.620	C - Res.	126.00
(D)S-4506	Kenneth Roberts & Catherine Kerr Harding	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:10	1.110	C - Res.	240.00
(D)S-4507	Patricia Joan O'Neal Rea & Ruben J. Rea	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-03:17	.580	C - Res.	\$ 132.00
(D)S-4508	Kenneth T. & Claire T. Ferreira	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:36	.830	C - Res.	174.00
(D)S-4509	Manuel S. & Mae Andrade, Jr.	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:42	.700	C - Res.	138.00
(D)S-4510	Elizabeth Boynton	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:62	.530	C - Res.	126.00
(D)S-4511	Richard B. Roberts	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:69	.560	C - Res.	126.00
(D)S-4512	George R. & Leoncia M. Susterich	1/01/76-12/31/85	Kokee Camp Site, Waimea	1-4-04:63	.540	C - Res.	120.00
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
S-4547	Citizens Utilities Co.	5/1/77-4/30/2042	Kekaha, Waimea	1-2-02	4.014	U - Unclass.	99.00
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

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-4575	Hiroshi Azeka & Toshiko Azeka & Norman David Thompson & Karen Edith Thompson	11/30/77-11/20/2017	Gov't Remainder, Nawiliwili, Lihue	3-2-04:14	.576	U - Com/Ind.	5,280.00
(D)S-4576	Lihue Plantation Company, Ltd.	12/15/77-12/14/2002	Por. of Anahola-Kamalomalo Gov't Lands, Kawaihau	4-7-01, 02, 04; 4-8-02, 03	3,111.000	A - Int. Ag. Cane	41,259.00
S-4576-A	James George Wetherill	12/16/77-12/15/2042	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)	1-9-12	.076	A - Unclass. ROW	174.00 Full Term
S-4581	John D. Harder & Vida L. Harder	4/19/78-4/18/2043	Gov't (Crown) Land of Anahola, Kawaihau (Puna) Being Easements "A-A" & "B-B"	4-8-04:3	1.075	A - Unclass. ROW	\$ 163.00 Full Term
S-4585	Walter S. Palmeira & Nardeen K. Palmeira	5/04/78-5/03/93	Por. of Gov't Crown Land of Wailua across Lihue Jail Site, Wailua, Lihue (Puna)	3-9-02:17	9.960	A - Int. Ag.	900.00
S-4586	McBryde Sugar Co., Ltd.	5/04/78-5/03/2003	Lots 10-A & 10-A Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-02:13 & 45	10.976	A - Int. Ag. Cane	2,200.00
S-4591	Kauai Electric	10/13/67-10/12/2032	Nawiliwili Substa. Site, Lihue, Puna	3-3-03	.021	U - Unclass. ROW	33.00
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
S-4597	United States of America Dept. of the Navy	9/8/78-8/19/2029	Mana, Waimea Kona, Kauai	1-2-02:por. 1	.110	A - Unclass. ROW	Gratis
S-4607	Richard Cummings Kauai & Clement H. Kauai	11/16/74-11/15/2038	Kapaa, Kauai	4-6-09	.360	U - Unclass. ROW	65.00 Full Term
S-4618	Henry Cobb-Adams III & Dora Leilani Cobb-Adams	10/24/75-10/23/2040	Anahola, Kawaihau (Koolau)	4-8-06:por. 25, 55 & 56	.192	A - Unclass. ROW	442.00 Full Term
S-4645	Island Holidays, Ltd.	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	Chester Wayne 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-4651	Bernard K. Duarte	6/15/80-6/14/2000	Waipouli, Kawaihau (Puna)	4-4-04:4 & 51	33.930	A - Pasture	2,700.00
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
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-4675	Kekaha Sugar Company, Limited	1/1/80-12/31/85	Puu Ka Pele, Waimea	1-4-02:12	.800	C - Res.	360.00
S-4676	The Lihue Plantation Company, Limited	1/1/80-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.000	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 & 04	1.100	C - Res.	504.00
S-4678	Kikiaola Land Company, Limited	1/1/80-12/31/85	Kokee Camp Site, Waimea	1-4-03:12	2:000	C - Res.	915.00
S-4694	Harvey S. Garcia & Priscilla J. Garcia	1/1/80-12/31/85	Lot 37, Puu Ka Pele Waimea (Kona)	1-4-02:44	.880	C - Res.	408.00
S-4695	Jennie Lee Lyum & Harold Hyung Hui Lyum, & Leslie M.H. Lyum	1/1/80-12/31/85	Lot 79, Puu Ka Pele Waimea (Kona)	1-4-04	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 & Mitsuya U. Miyake	1/1/81-12/31/85	Lot 63, Puu Ka Pele Waimea (Kona)	1-4-02:63	.900	C - Res.	\$ 411.00
S-4701	J.A. Roesch & Ruth W. Roesch	1/1/81-12/31/85	Lot 58, Kokee Camp Site, Waimea	1-4-04:24	1.030	C - Res.	471.00
S-4702	Ginevra C. Waterhouse	1/1/81-12/31/85	Lot 67, Kokee Camp Site, Waimea	1-4-04:46	.500	C - Res.	228.00
S-4703	Gregory D. Bridges & Sheryl A. Bridges	1/1/81-12/31/85	Lot 92, Kokee Camp Site, Waimea	1-4-04:49	.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	.670	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	Larry L. Haman to Dorothy Pauline Clark A/S	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 & Conception Vidinha	1/1/81-12/31/85	Lot 81, Kokee Camp Site, Waimea	1-4-04:60	.550	C - Res.	252.00
S-4720	Conrado Edayan	1/1/81-12/31/85	Lot 89, Kokee Camp Site, Waimea	1-4-04:54	.470	C - Res.	216.00
S-4721	Ralph Edwin Daehler & Patricia Lillian Daehler	1/1/81-12/31/85	Lot 22, Kokee Camp Site, Waimea	1-4-04:13	.510	C - Res.	\$ 231.00
S-4722	Frederick C. Ralston	1/1/81-12/31/85	Lot 5, Kokee Camp Site, Waimea	1-4-03:16	.980	C - Res.	447.00

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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	William Robert Warren	1/1/81-12/31/85	Lots 8 & 37, Kokee Camp Site, Waimea	1-4-04:14	.940	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 & Sharon Lee Robbins	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 - Comm. & Ind.	5,800.00
S-4740	Island Holidays	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-4743	Bruce N. Horka	8/15/81-8/14/91	Lots 2-B, 3, por. of 5 & 6, Kula Lots Wailua, Kawaihau	4-1-2:23, 28; 4-1-6:3, 4	15.401	C - Pasture	\$ 425.00
S-4744	Bruce N. Horka	8/15/81-8/14/91	Por. of Lot 7, Wailua Rice & Kula Lots	4-1-02:20, 22	4.080	C - Pasture	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-4778	Joseph R. Singleton	12/3/81-12/2/2001	Lot 36, Kapaa Hmstds., First Series, Kapaa	4-6-05:10	6.240	U - Int. Ag.	2,400.00
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

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Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification and Use	Annual Rental
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 - Int. Ag.	\$ 1,150.00
S-4781	Kauai Sand and Gravel, Inc.	1/2/82-1/1/92	Gov't. (Crown) Land of Wailua, Wailua 3-9-05:19 & 20		21.330	C - Pasture	320.00
S-4782	Fay T. Rapozo	1/2/82-1/1/92	Gov't. (Crown) Land of Kapaa, Kapaa 4-5-15:35, 36		11.509	U - Pasture	625.00
S-4784	Sam H. & Dorothy M. Tao	1/1/81-12/31/85	Kokee Camp Site, Waimea	1-4-04:52	.590	C - Res.	270.00
S-4785	Carol Ward Aki	7/23/81-7/22/2001	Lot 87, Kapaa Hmstds., First Series, Kapaa	4-6-03:4 & 10	13.320	A - Int. Ag.	1,000.00
S-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
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-4860	Gerald M. Sanchez	5/28/83-5/27/1998	Part 1, Waialua Pasture Land, Wailua, Kawaihau	4-1-09:5 & 6	10.444	A - Int. Ag.	3,000.00
S-4861	Patrick J. Lyons, Sr.	4/28/83-4/27/2003	Lot A, Pts 1 & 2, Kapaa Hmstds, 1st Series	4-6-02:1,13, 17 and 19	50.647	A - Int. Ag.	\$ 6,001.00
S-4862	Nicki Lynn Medeiros	4/28/83-4/27/2003	Lot 62, Kapaa Hmstds, 1st Series	4-6-06:28 & 29	9.170	A - Int. Ag.	1,925.00
S-4863	Antone Andrade, Sr.	4/28/83-4/27/2003	Kuwaawaa Pasture Reserve, Kalaheo	2-4-03:01	163.842	A - Int. Ag.	6,550.00
S-4864	Alfred Andrade	4/28/83-4/27/1998	Pasture Reserve C, Kalaheo Homesteads 2nd Series	2-3-07:13	33.212	A - Pasture	3,100.00
S-4865	Antone Andrade, Sr.	4/28/83-4/27/1998	Kalaheo Reservoir #6, Kalaheo Hmstds, 1st Series	2-4-03:17	7.335	A - Pasture	1,050.00
S-4866	Janna Schlienz	5/28/83-5/27/1998	Lot 47-A and por. of Lot 47-B, Omao Hmstds, Omao, Koloa	2-7-04:11	5.916	A - Pasture	1,052.00
S-4867	George B. Fernandes	5/28/83-5/27/1998	Lot 22, Wailua Rice & Kula Lots, Waiwa, Lihue	3-9-04:08	8.280	A - Pasture	1,700.00
S-4868	Vernon J. Souza	4/28/83-4/27/1998	Por. Lot 7, Wailua Rice & Kula Lots, Wailua Kawaihau (Puna)	4-1-02:20 & 22	4.080	A - Pasture	\$ 1,000.00
S-4869	William J. Fernandes	4/28/83-4/27/1998	Lots 2-B & 3 & por. of Lots 5 & 6, Wailua Rice & Kula Lots, Wailua Kawaihau (Puna)	4-1-02:23 & 28	15.401	A - Pasture	3,200.00
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 S. 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

GENERAL LEASESISLAND OF KAUAI

Fiscal Year 1982-83

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



COVER

Kyle, Dayle and Shane Hirayama at the Nuuanu Public Fishing Area (Reservoir No. 4).