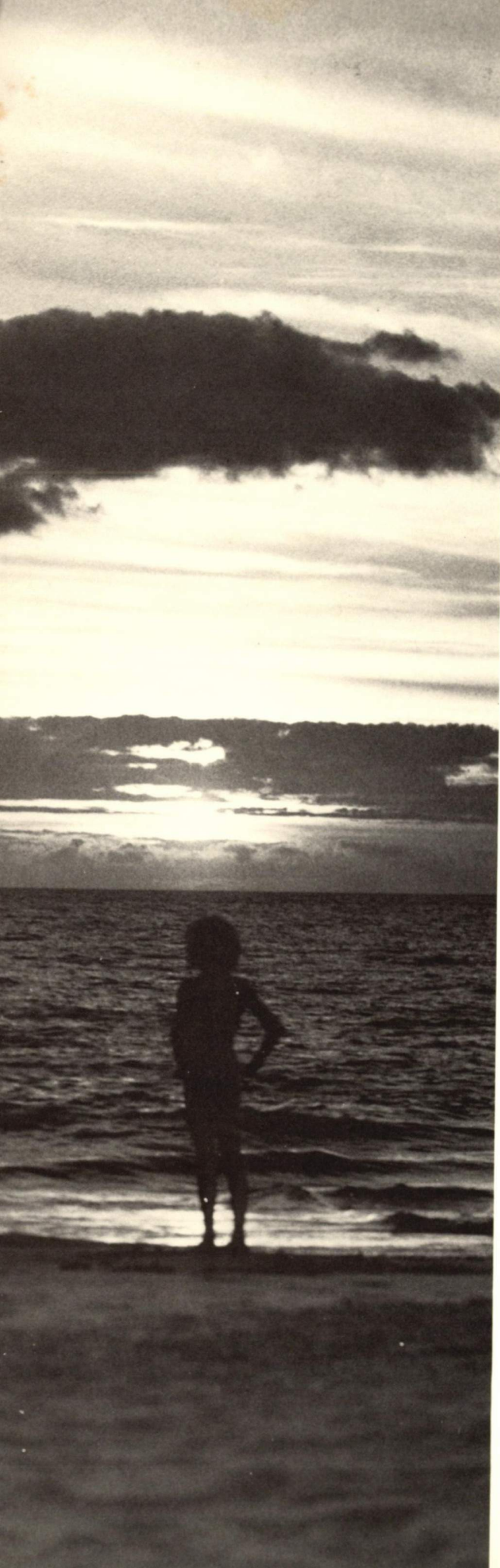


STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

REPORT TO THE GOVERNOR 1970 - 1971





... it is paramount that we give our earnest attention to means by which we can conserve and restore our natural and human treasure, the essential capital upon which our future growth depends.

*Governor John A. Burns, to the
Hawaii State Legislature, 1971.*

REPORT TO THE GOVERNOR

for the fiscal year 1970-1971

DEPARTMENT OF LAND AND NATURAL RESOURCES

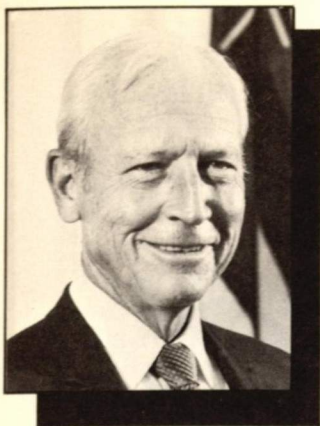
STATE OF HAWAII

**Honolulu, Hawaii
January 1972**





"The tranquility of nature is balm to the tired soul of man..."



DIVISIONS:
CONVEYANCES
FISH AND GAME
FORESTRY
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

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

The Honorable John A. Burns
Governor of Hawaii
State Capitol
Honolulu, Hawaii

Dear Governor Burns:

It is with a deep sense of personal satisfaction that I present, on behalf of the Board and the staff and personnel of the Department, the Annual Report of the Department for 1971. It is my sincere hope that our efforts have significantly contributed to the overall accomplishments of the Administration for the past year.

There has been increasing public interest and involvement in the activities of the Department, and particularly in those activities which touch on the protection and conservation of lands and water, and other natural resources of the State. Additionally specialized groups of informed citizens have shown great interest in the development and management of recreational areas and facilities. Under this intense public scrutiny, we have continued our efforts towards prudent management of the public lands and other resources placed in our care. We have especially directed our efforts towards the protection and enhancement of the natural resources such as forests and wildland areas, wildlife and wildlife habitat, and the vital water resources of our islands. Other programs have emphasized the improvement and expansion of the opportunities and facilities for active outdoor recreation throughout the State.

We are reporting all activities of the Department in relation to the Major Program Areas within which they exert their primary effect. It is hoped that this departure from previous formats will more clearly display our activities in a meaningful way.

Respectfully submitted,

BOARD OF LAND AND NATURAL RESOURCES

SUNAO KIDO
Chairman and Member

Organization

DEPARTMENT OF LAND AND NATURAL RESOURCES



SUNAO KIDO
Chairman
Oahu



H. MUNECHIKA
Kauai



LARRY MEHAU
Hawaii



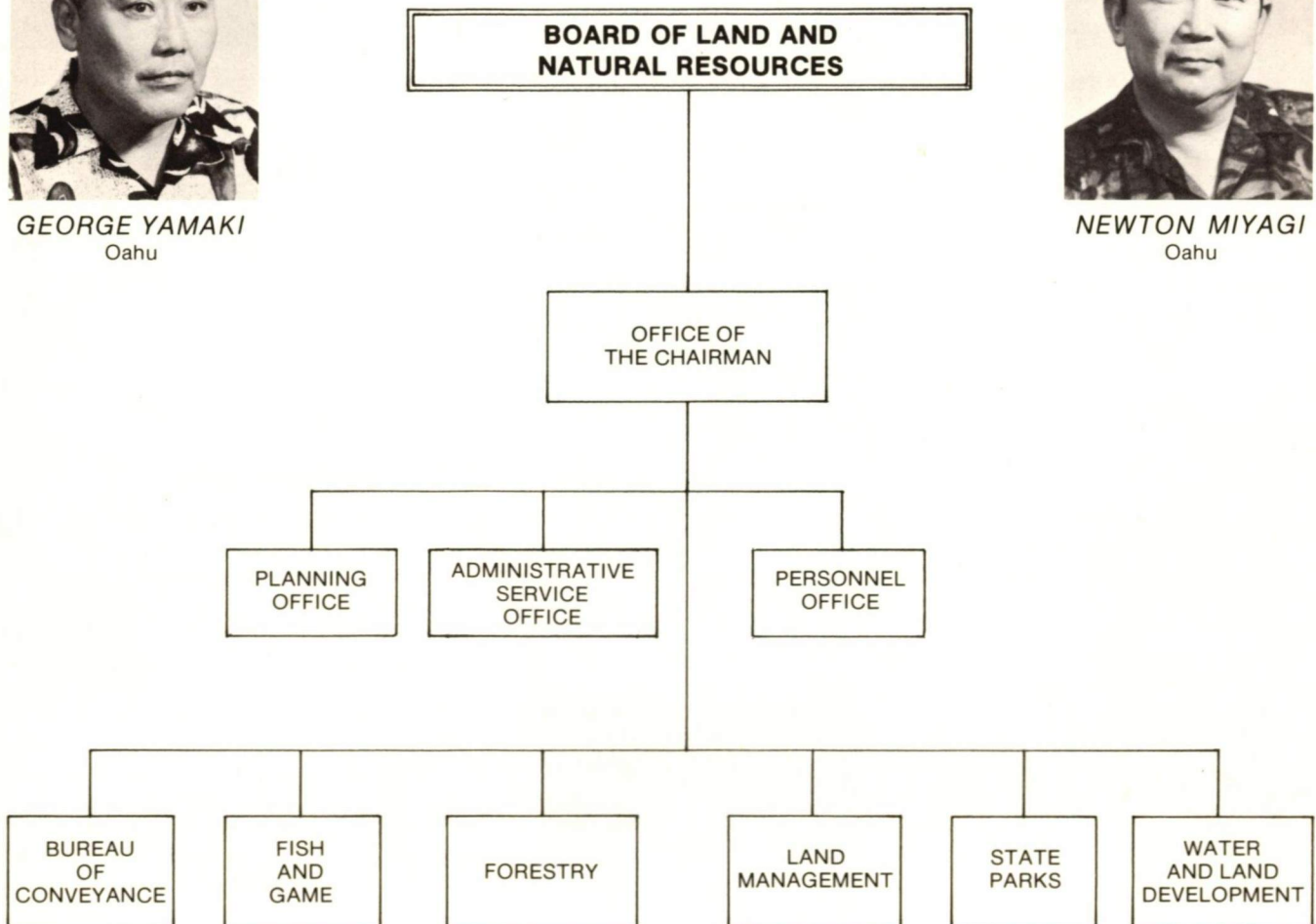
MANUEL MONIZ, JR.
Maui



GEORGE YAMAKI
Oahu



NEWTON MIYAGI
Oahu



SECTION I ORGANIZATION

THE BOARD OF LAND AND NATURAL RESOURCES

The Board of Land and Natural Resources, and its operating arm the Department of Land and Natural Resources, are established and function generally under the provisions of Article IX of the Hawaii State Constitution; and operate specifically within the directives and guidelines provided in Chapters 171 to 198, and Chapters 501 and 502 of Hawaii Revised Statutes, as amended, as well as within other more generalized statutes and administrative directives.

Four of the members of the Board are appointed by the Governor from the four Land Districts of the State, and two are appointed At Large from within the State. The Board is generally responsible for the protection, conservation, development, utilization, and management of the public lands and other natural resources owned and controlled by the State of Hawaii.

THE CHAIRMAN

The Chairman of the Board, appointed by the Governor from among the members of the Board, serves also as the full-time, salaried Executive Officer of the Department of Land and Natural Resources. In this capacity, his major responsibilities include the direction and coordination of the activities and functions of all the staff and operating units of the Department. The Chairman, of Cabinet Rank, provides essential liaison from the Department to the Office of the Governor, the State Legislature, to other agencies and jurisdictions, and to private organizations and individuals. The Chairman also serves ex-officio, as a member of the State Board of Agriculture, and the Land Use Commission, and also serves as member of the Natural Areas Reserve Commission, the Historic Sites Reserve Commission, and the State Agricultural Coordinating Committee. He is also State Liaison Officer on Historic Preservation.

The Chairman is assisted directly in the administration of the Department by the Deputy Director, and by the staff of the Office of the Chairman. Three specialized staff offices also provide support to the Chairman, and services to the operating divisions of the Department.

Creation of overall plans, and coordination of development for two specialized programs has been conducted directly under the broad supervision of the Chairman. These projects include the development, and the ultimate management, of the Honolulu Food Distribution Center, which is being created at Fort Armstrong. This project will ultimately provide operating space for a major portion of the wholesale food distribution industry of Honolulu. The second special project is the planning and development of low-cost residential units in several locations with-

in the State, in cooperation with the Office of the Governor.

PLANNING OFFICE

The Planning Office, headed by the Planning Program Coordinator, assists the Chairman in statewide land use planning, and in the preparation and coordination of comprehensive plans for the development and utilization of state-owned resources. The staff of the Planning Office processes the applications for conservation district uses and coordinates Departmental responses to various development proposals and environmental problems. This office is frequently called upon to conduct specialized studies and to undertake special assignments essential to Departmental functions.

PERSONNEL OFFICE

The Personnel Office maintains a continuing and comprehensive personnel program for the entire Department. The Personnel Officer and staff provide supportive services to the Chairman and to the heads of divisions and staff offices which make up the Department.

Major services include guidance and technical assistance in such specialized fields as position classification, employee relations, and in arranging for employee training and development. The Personnel Office maintains a centralized system for processing, recording, reporting, and filing personnel transactions and records of all employees. The Personnel Officer prepares and recommends adoption of personnel policies and procedures within the Department. Special liaison is maintained from the Department to the Department of Personnel Services.

ADMINISTRATIVE SERVICES OFFICE

The Administrative Services Office, under the immediate guidance of the Fiscal Officer, provides general support to the Chairman and the Members of the Board, and to the staff and operative units of the Department. Major services include the preparation and management of annual and biennial budgets, accounting and expenditure controls, central purchasing, fiscal reporting and evaluation, as well as billing and collecting for numerous accounts within the Department. Departmental payrolls are computed and prepared. A number of special accounts are maintained for Departmental units, including the Revolving Land Development Fund, Trust Funds, Bond Fund, and the New Fishery Vessel Loan Fund. Many small housekeeping functions are also carried out.

The staff of the Administrative Services Office



Lt. Governor George Ariyoshi views photograph of Mauna Kea State Park displayed during National State Parks Week.

provide specialized liaison service with the Department of Budget and Finance and with the Department of Accounting and General Services, and with a number of Federal agencies.

The operating units of the Department were initially organized, and have for years functioned generally within certain specific resource areas of the State. These include the public lands, water resources, forested lands, fish and wildlife, and the park lands and historic sites. The functions of conveyance and recordation, although not directly related to any specific resources, were included in the responsibilities of the Department, since they did bear some relationship to land transactions.

In recent years, and most particularly since the passage of Act 185/1970 by the Hawaii State Legislature, increased emphasis has been placed on the allocation of resources and the measurement of program effectiveness by broad functional groupings of related activities. This new process of planning and resource allocation is known formally as PPBS, or Planning Programming Budgeting Systems. The Department of Land and Natural Resources, as are other departments of the State government, is deeply involved in the transition from the previous planning and budgeting procedures, to the more effective systems approach to these essential elements of program management. The transition is not without some dislocation and strain. As a part of the ongoing process of transition, this report has been prepared to show both the formal organization of the Department, and the State-wide programs in which the Department and its units are involved.

THE DIVISION OF CONVEYANCES

The Division of Conveyances is responsible within the Department for receipt and registration of all land title documents and maps, and for registration of other legal documents. The Registrar of Conveyances, as Head of the Division, comes under the general direction of the Chairman of the Board of Land and Natural Resources in most activities. However, the Registrar is also responsible to, and receives direction from the State of Hawaii Land Court in matters relating to Land Court Titles and related procedures. The Registrar is legally an officer of the Land Court in this respect.

The Division is the only agency within the State of Hawaii authorized to register legal documents. Their principal functions are to receive, file, record, index, maintain and preserve all legal uniform commercial code and land title documents affecting land titles in the State; and to prepare and issue certified copies of such documents as required.

In compliance with directives, and differing legal and procedural requirements, the Division operates with two sections or branches. Although housed together, separate processes and files are maintained for each branch. The Land Court Registration Branch is concerned primarily with processing and preserving Land Court Title Documents and maps affecting title to lands registered in the Land Court; and with issuance of Land Court Certificates of Title which are guaranteed by the State of Hawaii. The Regular Registration Branch deals with the processing and preservation of legal and land title documents affecting unregistered lands entitled to recordation; and with all other legal documents presented for recordation.

THE DIVISION OF FISH AND GAME

The Division of Fish and Game is responsible for the conduct and administration of the Departmental programs relating to the development, management, and preservation of the fish and wildlife resources of the State. The Division is under the administrative control of the State Fish and Game Administrator.

The Division is organized into three major branches: Fisheries, Wildlife, and Enforcement. In addition, a small Office Services group provides clerical and other supportive services to the operating units.

The Fisheries Branch is further sub-divided into three functional sections: Marine Fisheries, Freshwater Fisheries, and a Fisheries Research Station. These units jointly carry out a broad program concerned with development and management of the State's renewable aquatic resources for recreational and commercial utilization. Fishery management activities include improvement of the physical and biological environments, conduct of biological studies to obtain information necessary for regulation of specific fisheries, establishment and protection of underwater sanctuaries, management of public fishing areas, and research and development of new commercial and sports fisheries.

The Wildlife Branch is organized into four geographic sections, one for each County of the State. Major responsibilities for these units include introduction, distribution and management of game and non-game mammals and birds, and the management of public hunting areas within their respective counties. The Branch also maintains a special projects unit which is principally involved in the propagation and release of the nene (Hawaiian Goose), and the koloa (Hawaiian Duck).

The Fisheries and Wildlife Branches both work closely with the U.S. Fish and Wildlife Service in conduct of research and management programs, with some programs being jointly funded from State and Federal sources.

The Enforcement Branch is also organized geographically, with a section assigned to each of the four principal counties of the State. These units are charged with the primary responsibility for enforcing the State's laws and regulations relating to hunting and fishing and the protection and preservation of endangered species. In addition, staff of this Branch support the Fishery and Wildlife Branches when necessary, by assisting in research projects and in special management activities.

THE DIVISION OF FORESTRY

The Division of Forestry, under the overall direction of the State Forester, manages the State-owned forest resources within the Conservation District. The activities of this operating unit are directed particularly to the protection and improvement of the vital watershed areas and water supply of the islands, but are concerned also with research and development for improvement of all resources of forest lands including commercial and aesthetic effects. The Division is also active in promoting forestry and protects forests on private lands throughout the State from damage by fire, insects or diseases.

The Division maintains a close working relationship with the U.S. Forest Service. The State forestry programs receive substantial support from the Federal Service, in the form of grants for seedling propagation, tree plantings, technical assistance to forest landowners, and for protection of forested lands from fire, insects and disease.



Mrs. Ann Cristofi, wife of the senior Fish and Game employee on Hawaii, prepares to launch the new Fish and Game patrol boat, Malama Hawaii.

The Division is structured into four geographical sections or units, corresponding to the four counties or Land Districts of the State. Each Forest District is headed by a District Forester, who is responsible for planning and managing the forest programs within his district. A Central Tree Nursery at Waimea on the island of Hawaii provides tree seedlings for all of the forestry planting programs, and for distribution to private landowners for forest development on their lands. Three small centralized service units provide research and technical services; clerical and administrative support, and cooperative forest management services in support of private forest programs.

The programs carried on by the Forestry Division are closely related to the program activities of other divisions of the Department. Strong interactions exist between the parks and recreation programs, and the development and maintenance of forest trails and roads, and scenic overlooks. Foresters are jointly concerned with fishery and wildlife biologists in the protection and preservation of natural and wildlife habitats within upland and forested areas of the State. Programs for the protection and enhancement of the watershed and forested areas are closely allied with water resources development activities within the Department, as well as programs of the several County Boards of Water Supply. In all, the forests and forested lands of the State are an extremely important element of the total environment within which island residents and visitors work, rest, and play.



Annual State conference of Federal, State and Private Foresters, held on the island of Maui.

THE DIVISION OF LAND MANAGEMENT

Chapter 171 of Hawaii Revised Statutes defines the public lands of the State; and mandates the Department of Land and Natural Resources to manage and exercise control over these public lands.

The Division of Land Management, under the supervision of the Land Management Administrator, is responsible for acquisition of lands to meet public needs; for management and regulation of the public lands; and for disposition of public lands in lawful manner to meet recognized and approved private requirements. The Division is a special office of record for documents issued by the Division, including land patents, special sale agreements, land leases, and revocable permits. Under the overall coordination of the Departmental Planning Office, cooperative action is taken with the Division of Forestry for control and protection of public lands within the Conservation Districts.

The Division is responsible for planning and development of State lands for residential, industrial, and hotel-resort purposes, and undertakes these projects jointly with the Departmental Planning Office and the Division of Water and Land Development. Critical program activities also include periodic inspections of the public lands, enforcement of terms and conditions of lease and sale agreements and contracts, inventory and appraisal of lands, and comprehensive planning for land use and land development projects. Efforts are being made at this time, jointly with the Planning Office, and by contract with the State Department of Transportation to develop an electronic data processing program for maintaining the State land inventory.

The Division operates more or less on a functional basis, with one group handling all acquisition transactions throughout the State; a second group handles all disposition transactions; and a third group is generally responsible for all activities related to planning and development, and other supportive functions. A management audit of the Division was recently conducted jointly by the Office of the Chairman and the Management Services Division of the Department of Budget and Finance. Recommendations for reorganization of the Division on a functional basis have been submitted to the Division Administrator for review and consideration.

DIVISION OF WATER AND LAND DEVELOPMENT

The Division of Water and Land Development, under the overall guidance of the Manager-Chief Engineer, is responsible for administration of a number of programs generally related to the water resources of the State. The Division is functionally organized into four operating branches: Water Resources and Flood Control; Project Development; Design and Construction; and, Water Supply and Maintenance. Professional engineering staff from within these units provide, on request, engineering support to the other operating divisions of the Department.

The Division is responsible for interagency coordination of water resource development projects which involve expenditure of State funds, and of all flood control activities throughout the State. The Division conducts statewide water resource research, planning, and development projects and activities; and administers and directs cooperative water programs with the U.S. Geologic Survey and with other agencies and organizations. The Division is also responsible for specific enforcement of the statutes and regulations relating to protection of the water resources of the State.

The Division provides active administrative support to the fifteen Soil and Water Conservation Districts within the State.

THE DIVISION OF STATE PARKS, OUTDOOR RECREATION AND HISTORIC SITES

The Division of State Parks, Outdoor Recreation, and Historic Sites, under the supervision of the State Parks Administrator, is deeply involved in two broad programs throughout the State. The Parks program is concerned with providing; with due consideration of the efforts of the several county park and recreational agencies, and of private agencies; adequate space and facilities to meet the outdoor recreational requirements of the State's resident and visitor population. Major activities within this program area include the identification and acquisition from both public and private sources, of areas of recreational potential; and the development and management of park facilities in areas of more than limited local significance and use.

The Historic Sites Preservation program is addressed to the problem of preserving and protecting Hawaii's significant natural, historic and cultural resources so as to provide opportunities to scientists and scholars, and to the people to better understand and appreciate our heritage. At the present time, the major effort of this program is to locate and identify, through statewide survey, the surviving natural areas, and historic and cultural buildings and sites of significant value. Thereafter, the program will emphasize, on a priority basis, the preservation of major historic sites and buildings, and the restoration and presentation of selected elements for educational and recreational enjoyment.

The Division is organized functionally into three operating units: planning; development; and management; of the parks and historic areas. In addition, there is a supportive services unit, which provides clerical and other administrative support for the operating units and for the Administrator.

The Management Branch is further divided into four geographical sections or district units, corresponding to the Counties of the State. Each Parks District is headed by a District Superintendent, who is responsible for preparation and maintenance of all parks and parks areas reserves within his district.



Governor Burns and Mrs. Dorothy Hargreaves, president of the Outdoor Circle, with the assistance of the Boy Scouts, plant hibiscus on the Capitol grounds to commemorate Arbor Day, while Mrs. Burns looks on.

The Historic Sites Section, headed by an archeologist, operates throughout the State, and not only carries out historic and archeologic research and surveys, but additionally coordinates all archeological work of the University of Hawaii, the Bernice P. Bishop Museum and other private agencies and individuals on State lands.

The Department and the Division work closely with the State Department of Planning and Economic Development in analysis of the overall recreational needs of the State, and in developing statewide plans for recreational development in the State. Working relationships are maintained with the various County parks and recreation departments in respect to parks development and operations. The federal Department of Housing and Urban Development and Bureau of Outdoor Recreation are deeply involved in this field through the contribution of both funding and expertise in planning and acquisition of open space areas, and in planning for development of desirable park facilities.

The Division, together with the Division of Forestry and the Division of Fish and Game, assists the Hawaii Natural Areas Reserve Commission to select tracts containing biotic communities which should be preserved as natural areas for scientific and educational purposes.

SECTION II PROGRAMS FOR ECONOMIC DEVELOPMENT

It seems reasonable to assume that virtually every program or project carried out by the Department of Land and Natural Resources has some significant effect or impact on the total economy of the State. The State's program structure is such that the primary output of most of the Departmental programs is directed or allocated to other major programs, such as Protection of the Environment, Leisure Time Activity, or Public Safety. The specific impact or thrust of several Departmental programs is directed to the area of Economic Development, and these are detailed below.

COMMERCIAL FISHERIES

Hawaii, by geographic location, and through ethnic makeup, is ocean oriented and depends much on the ocean and on other aquatic resources for a major part of the food supply. Thus, a number of the programs of the Department are directed specifically towards improvement and expansion of food supplies and other outputs obtainable from the ocean and from other aquatic environments within the State.

Fishery Vessel Construction Loan Programs

A 98-foot steel-hulled aku fishing vessel is presently being built in Tacoma, Washington, for the Angel Fishing Company of Honolulu. Eighty percent of the cost of constructing and equipping the vessel is provided through a long-term loan from the Hawaii Fisheries New Vessel Construction Loan Program, administered by the Department. The new vessel, scheduled for completion in December 1971, is the second to be built under the loan program (the

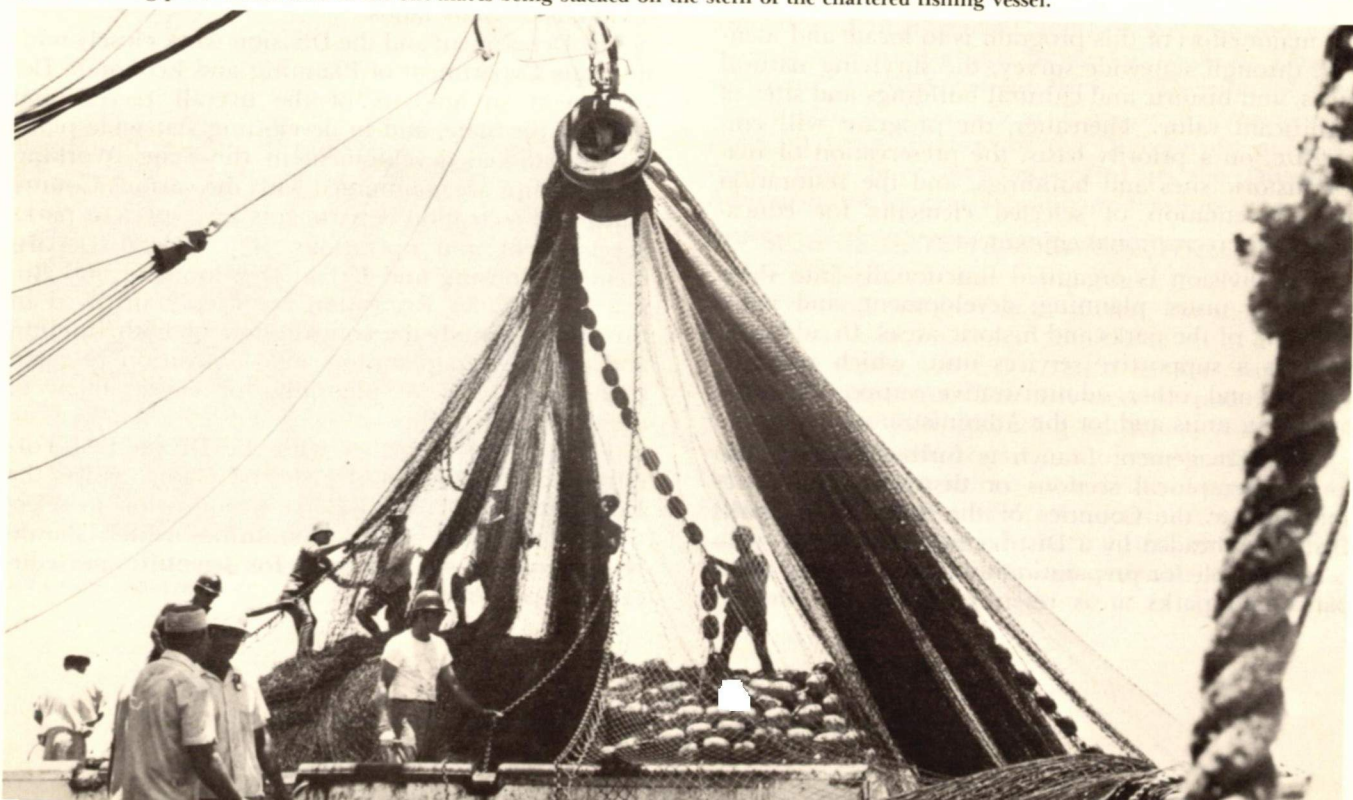
first was the deepsea longline ahi vessel *Kilauea*), and the first new aku boat addition to the Hawaiian fishing fleet since 1955. The new vessel will also have the distinction of being the first Hawaiian aku boat to incorporate a mechanical refrigeration system to preserve the catch.

Purse Seine Tests

The West Coast tuna purse seiner *M/V Jeanne Lynn* was brought to Hawaii through joint efforts of the Department and Bumble Bee Seafoods for purse seine fishing trials during the summer of 1970. The principle objective of the venture was to determine if purse seine fishing methods that are being successfully used to catch tuna in the Eastern Pacific could be adopted for catching aku or skipjack tuna in Hawaiian waters. The Hawaiian fishery presently harvests aku with pole-and-line exclusively, although this method is relatively inefficient since it catches only a small percentage of the aku in any school. Thus, despite the availability of a vast aku resource in the Central Pacific, the Hawaiian catch is limited to about 5,000 tons annually.

During the 70-day trial fishing period, the *Jeanne Lynn* was able to make but eight sets with her purse seine, since few aku schools were encountered and the size of the schools and the size of individual fish were small. The trial did show however, that aku in Hawaiian waters can be caught with a purse seine; provided that they are held at the surface long enough by chumming with live bait for the seine to be set and pursed. A catch of 20,000 pounds of aku in a single set off the island of Niihau by the *Jeanne Lynn* hints at the potential usefulness of the purse seine.

Experimental fishing trials to catch skipjack tuna (aku) in Hawaiian waters were conducted during the summer of 1970 utilizing 3,000-foot long purse seines such as the one that is being stacked on the stern of the chartered fishing vessel.





Strings of mortar coated paper pie plates are suspended in the waters of West Loch, Pearl Harbor to collect oyster spats for use in growth studies.

The study also points out the necessity for a thorough assessment of the number, size distribution, and behavioral characteristics of aku schools, possibly through aerial spotting, to determine if aku are available in sufficient concentration that would justify continued efforts to establish a purse seine fishery in the State.

Oyster Culture

Experimental cultivation of the American oyster, *Crassostrea virginica*, on a commercial scale was continued at Molii Fishpond in Kaneohe Bay, Oahu, during the past year. Activities at the fishpond include transplant of adult oysters from Pearl Harbor for natural reproduction and planting of young seed oysters for growth studies. Oyster rearing trays are moved to various locations within the pond for determination of growth and condition factors; and monitoring of water temperatures, salinity and purity were continued.

Efforts to further expand the industry into the private sector included the sale of ten barrels of seed oysters (approximately 1,000 pounds) to Fishfarms Hawaii, an aquaculture organization located on the island of Maui. The seed oysters were planted in the company's Kealia Pond facilities, and to date most encouraging results are being reported.

Prawn Culture

Efforts to initiate and expand commercial culture of the Malaysian prawn in the State continued during the year. Large outdoor rearing tanks of 5,000 gallon capacity were used for the first time, and very successfully, for mass culturing of larval prawns. An estimated 200,000 juvenile prawns (approximately 8 mm. length) were produced in one tank during a 35-day period.

During 1969-1970, and continuing through 1970-1971, several small private ponds on the island of

Oahu were experimentally stocked with juvenile prawns. Following initial growth periods of seven to nine months which were non-productive, selective culling of the ponds produced yields of marketable prawns at the rate of from 3,200 to 4,000 pounds per acre per year. These production and marketing studies are being continued, with a production schedule for the ponds based on a cyclic program which entails continuous culling of marketable prawns, and periodic restocking of the ponds with juvenile prawns. Sustained yields of approximately 4,000 pounds per acre per year of marketable prawns is anticipated.

In October 1970, under the terms of a cooperative agreement, about 260,000 juvenile prawns were stocked in ponds of Fishfarms Hawaii to test the effectiveness and economics of pelleted prawn food. These ponds, located at Kihei, Maui, were struck by a severe storm in December 1970 with consequent severe flood damage to all ponds, and loss of the prawns. Four of the ponds were subsequently repaired, and in April 1971, these were restocked with 100,000 juveniles, and testing of the pelleted food was resumed. Should the results of the initial experiments prove favorable, Fishfarms Hawaii proposes to expand the operation to include 400 acres of ponds.

The outstanding work of Mr. Takuji Fujimura, Fishery Biologist with the Fishery Research Station, in development and stabilization of the techniques and procedures for prawn culture has been gaining world-wide recognition. Requests for information and technical assistance in these culture techniques and methods are being received from many tropical and temperate climate areas. A report of this significant work was presented by Mr. Fujimura at the FAO Indo-Pacific Fisheries Council meeting held in Bangkok, Thailand, and was one of the highlights of the meeting.

FORESTRY

A number of on-going forestry programs have immediate economic impact on the island economy, or demonstrate great future potential for primary and secondary economic development. Many of these forestry activities are carried on in cooperation with private landowners and the U.S. Forest Service.

Cooperative Forest Management

Individual and organizational landowners were assisted in managing and improving their forests in several ways. In cases where merchantable timber is involved, they were provided information and technical advice about the volume and value of the timber, potential markets for the products, desirable forestry practices, and plans and proposals for active management of the resources. Possibly the primary service to encourage better forestry in the islands is to show the landowners that their forested lands have substantial values, and are economically worth holding and managing for forest production. In a number of specific instances, forest property owners were assisted in taking positive action to reduce soil erosion by planting suitable trees and grasses to bind the exposed soil surface.

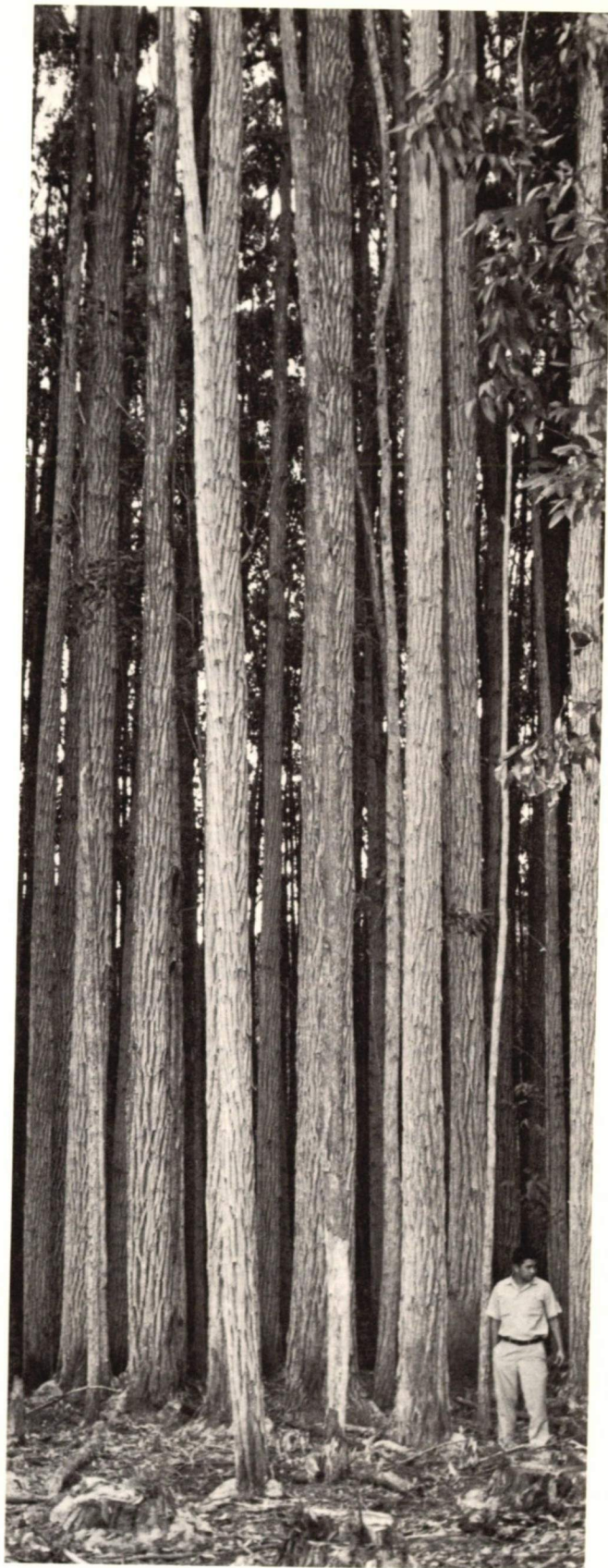
A total of 334 requests for forest management aid and assistance were received during the year, covering a total of 32,933 acres of private lands. Management plans were prepared, or are in preparation for approximately 10,800 acres or one-third of this area. Approximately 630 acres were planted to desirable species of forest trees.

Several owners of smaller properties were assisted chiefly in propagation and development of commercial plantings of Christmas trees, and in developing windbreaks for farm and residential protection. In a few cases, operators of small sawmills and wood products entrepreneurs requested and received information and advice concerning sources of raw materials for process.

Tree Planting

The continuing tree planting program carried on by the Department is one of the activities which will produce a direct, although delayed, output into the economic streams of the State. In addition this basic activity makes significant contributions into other major program areas, including the improvement of Physical Environment, and the Leisure Time Activities. New plantings on State lands totaled about 800 acres for the year, and replanting was carried out on a total of 400 acres. Cultural work, including thinning and pruning and weed control in young stands covered almost 700 acres for the period.

New plantings dropped quite drastically during the past year as compared with accomplishment in the recent past; for example 1,500 acres in the previous year. The need for preparation of Environmental Impact Statements for each plant area, to satisfy



Robusta eucalyptus, age about 50 years, on Maui. This privately owned stand has been contracted for harvesting for lumber production.

some of the new public concern for protection of the environment, greatly delayed the start of site preparation contracts. This was perhaps the most significant of several factors that contributed to reduce the planned accomplishments. However, the labor that was freed during this time was able to contribute to replanting the 400 acres, and the 700 acres of silvicultural work helped to raise the quality of reforested tracts, so this delay was not entirely unwelcome.

Forest Products

The harvest of forest products from State lands yielded a direct revenue to the State of \$8,300 for tree ferns, and \$6,700 for saw timber. In terms of consumer products, this represents approximately \$300,000 of processed and fabricated items.

The sole veneer production plant within the State ceased to operate, and has been partially dismantled. In addition, the principal contractor for State sawtimber stumpage has not operated since December 1970, after about five months of intensive activity. It is assumed that the general business decline in Hawaii may have worked against successful conduct of these two private activities.

While the sawtimber and veneer operations were suspending activity, a proposed timber operation in the Laupahoehoe section of the Hilo Forest Reserve generated considerable public interest and controversy. The previously mentioned timber and veneer operations were based chiefly on introduced species of timber. The Laupahoehoe area involves principally native koa and ohia, portions of which are heavily infested by an introduced passion flower vine which is harmful to native vegetation. The proposal for this area was to selectively harvest some of the timber, and concurrently to attempt to regenerate the koa and suppress the passion flower—or banana poka as it is known locally.

Forestry Research

In 1961, the U.S. Forest Service in cooperation with the Department, completed the first comprehensive forest resource inventory for the islands. Now, ten years later, this initial report is being updated, again through cooperative action of the two agencies. Recent aerial photographs, coordinated with remeasurements of selected plots within the forests, are being used to determine the changes in the forest resources since the initial survey. The basic field work has been completed, and data are now being compiled which will provide current status information on the extent of forest lands, and the volume of the timber resources.

Roger Skolmen of the Institute of Pacific Islands Forestry and Darrel Nicholas of the Honolulu Wood Treating Company, have conducted a cooperative laboratory evaluation of the natural resistance of several kinds of wood to the Formosan termite. The results, especially significant to the home building industry in Hawaii, indicate that Australian red cedar and ohia proved more resistant to the termites than did redwood, while Douglas-fir and koa were much less resistant. Western red cedar, often thought to equal redwood in resistance, ranked somewhat lower in the tests. It was considered intermediate, along with red luan and robusta eucalyptus, between redwood and Douglas-fir.

Five publications concerning timber markets and utilization were issued by the Institute of Pacific Islands Forestry in cooperation with the department. These reports covered such diverse aspects of marketing and utilization as, "A Guide to Log Defect Indicators" (in order to more accurately measure the net volume of usable wood in koa and ohia logs), "Lumber Grade Recovery from Robusta", "Timber Species for Replacement of The Noxious Firetree", "Growth of Treefern", and the "Annual Harvest of Hawaiian Forest Products". A detailed listing of publications is included in the Appendix.



306,000 acres of Public Lands are leased for pasture use. Scene at Parker Ranch, Island of Hawaii.



Community members gathered to dedicate a parcel of state land leased to the Nalo Valiants for a community youth center. This was made feasible by a recent change in laws.

LAND DEVELOPMENT

Land development projects on State lands have both a direct and an indirect effect on the total economy of the State. In the first instance, the direct expenditure of substantial funds for development and construction has immediate effect on the economy through payrolls and purchases of equipment and supplies. Additionally, the development, and sale or lease of residential houselots, or of hotel-resort and industrial subdivisions has a longer-range secondary effect through the stimulation of significant further expenditures for construction of homes, hotels, and industrial facilities. This multiplier effect can be most significant within the State.

During the past year, a total of eleven construction contracts were awarded for projects on State lands, with an estimated expenditure of \$2.7 million in all. The major projects include the Waimanalo Core Development sewerage system; the first increment of the Honolulu Food Distribution Center at Fort Armstrong; and houselot subdivisions totaling 207 houselots at University Heights and Waiakea in Hilo; and at Wahikuli on the island of Maui. Other projects currently in the design stage include the second increment of the Honolulu Food Distribution Center; and houselot subdivisions at Hanapepe, at Waimea, and at Waimea on the island of Kauai.

The Waimanalo sewer project involves the construction of a major interceptor line and a pumping station from the Core Development area to the recently completed Waimanalo Sewer Treatment Plant. This line will connect the core area to the treatment plant, and in addition will provide service to other

housing subdivisions and developments in the area between. Completion of this segment of the on-going project will set the stage for the next unit, which will include facilities for deep-well disposal of the effluent from the sewer treatment plant.

A number of years of effort have culminated in the initial development of the first increment of the Honolulu Food Distribution Center at Fort Armstrong near Honolulu Harbor. Planning of this unique project was a multi-year joint effort of the Department and the U.S. Department of Agriculture Transportation and Facilities Research Division, with assistance from the State Department of Agriculture, the Department of Planning and Economic Development, and the University of Hawaii.

The Department is allocating suitable State lands for the project, and is undertaking the overall site development of the entire project area. Specific parcels within the project area are then leased to food industry operators, who then build their own operating facilities in conformance with the provisions of the Master Plan of the project.

Increment I, comprising approximately sixteen acres, is currently under development. Two operating units already occupy space within the project area, including one of the major wholesale grocery operators and the demonstration irradiator and plant quarantine facilities of the State Department of Agriculture. Completion of Increment I, scheduled for late 1971, will provide space for development of a multi-use facility for wholesale handling and distribution of fresh fruits and vegetables within the Honolulu market area.

WATER DEVELOPMENT

The construction of State-sponsored water facilities was actively pursued by the Department to maximize State-wide economic development potentials as well as meeting the social and human needs of the citizens of the State.

The Department awarded contracts for 26 water projects located throughout the State during the past year in support of water needs in the development of the economy of the State. The estimated total expenditure for these projects is \$2.7 million. (See the Appendix for a complete listing of the projects).

Major projects include the Kohala-Hamakua water project which consists of the construction of a 50-million-gallon storage reservoir in the Kohala Mountains, a stream diversion system in the Kohakohau Stream to improve flow to the reservoir, and a well complete with pumps in the Kawaihae area. Completion of these additions to this water system will significantly increase the output and reliability of the system, and will allow better water service to the Waimea-Lalamilo, Kawaihae, and Puako areas of the island of Hawaii.

In Kona, the main pipeline along the Mamalahoa Highway was extended south to the Hookena Beach Road junction. The main ground-water source in Kahaluu, which feeds this system, was improved through drilling of two additional wells and the installation of larger pumps in the existing wells.

In West Maui, exploration for reliable ground-water sources is continuing through the drilling of test wells. Three wells were drilled and tested during the past year. Also, in the Wailua-Kapaa area of the island of Kauai, two additional wells were drilled to increase the groundwater supply source, and a twelve-inch transmission main was installed to supply the hotel-resort development at Kapaa.

Irrigation Systems

The Department operates three irrigation water

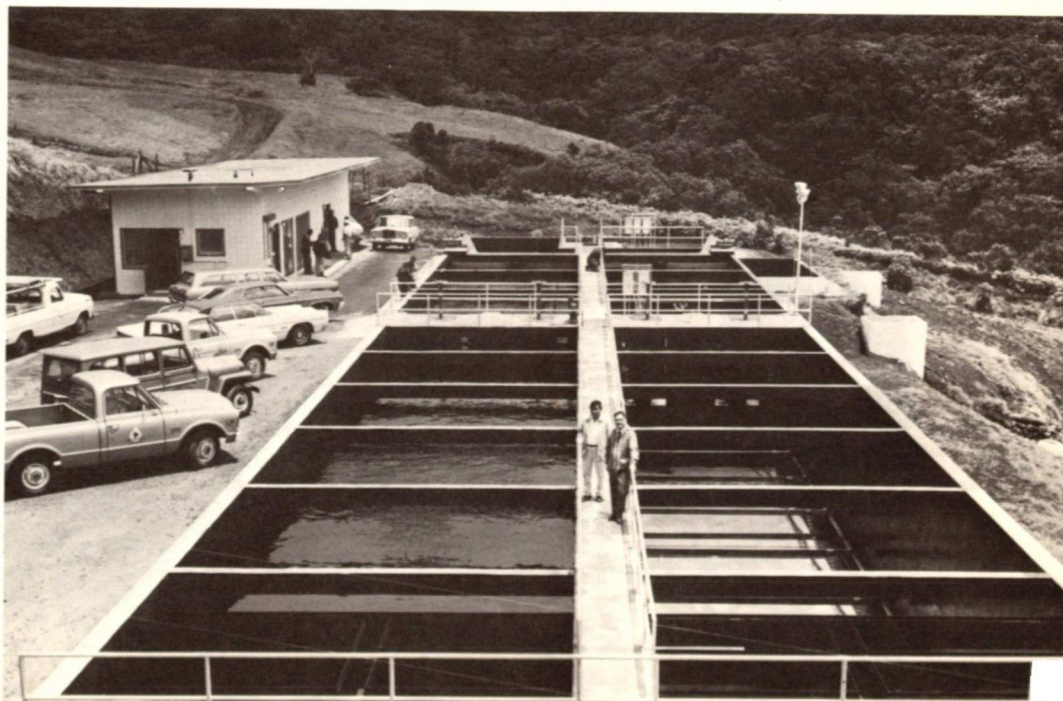
systems in the State, supporting farm operations at Waimanalo on the island of Oahu; Waimea-Lalamilo on Hawaii; and on the island of Molokai.

The Waimanalo System serves the needs of 95 small farmers operating on 921 acres of land. This farm area is involved primarily in diversified production, including truck and orchard crops, flowers and foliage, poultry and egg production, and dairy and swine operations. The University of Hawaii maintains an experimental farm in the area, and this also is served from the system. The total water consumption for the year was 101 million gallons, compared to 128 million for the previous year. The drop in water sales is because of unusually high rainfall for the year of 61.8 inches, compared to normal rainfall of 40 inches per year.

The Lalamilo System continues to serve 26 small farmers who farm a total of 205 acres of truck and vine crops, principally celery and cucumbers. The State Tree Nursery is also served with irrigation water. Water consumption for the year dropped approximately 20 per cent below the previous year. Moderate drought conditions prevailed in the area for a period during the year, and although this increased the total demand for irrigation water, it also reduced the amount of water available to the system, thus reducing total water consumption.

The Molokai Irrigation System increased its service during the past year. The Dole Corporation and the Del Monte Company, principal producers of pineapple in the State, are the major water users, with 7,461 acres of pineapple lands under spray irrigation. Other Hawaiian Home Lands consumers include about fifty homesteaders who farm about 160 acres under irrigation. Crops in the area include alfalfa, seed corn, sorghum, and tomato. Total water sales increased from 496 to 539 million gallons during the period. During the past year, the distribution pipeline was extended along Mokulele Avenue, and a new office and baseyard facility was constructed to better support the system.

Waimea water treatment plant constructed by the Hawaii County Water Department. State funds were provided to obtain Federal grant funds. Inspecting the facilities are Hawaii County Water Department Manager Akira Fujimoto, and Phillip Yee, Consulting Engineer.



SECTION III PROGRAMS FOR PROTECTION OF THE ENVIRONMENT

Many of the programs conducted by the Department in one way or another deal with the natural resources of the State; land, water, forests, and wildlife. Thus, any action, or conversely any inaction, in these basic resource areas can have far-reaching effects on the environment of the island communities of the State, and on the ocean waters between the islands. Great care must be exercised in all planning, developmental, and management functions of the Department to insure the basic integrity of the total environment.

WILDLIFE PRESERVATION

Nene (Hawaiian Goose) Preservation

The Nene Propagation Project was continued for the year under a \$25,000 contract with the U.S. Bureau of Sport Fisheries and Wildlife. A total of 132 nene goslings was produced during the year at the Pohakuloa Wildlife Propagating Station on the island of Hawaii, an increase of eighteen over the previous breeding period. Fertility and hatching rate of the eggs were excellent. A total of 110 nene is scheduled for release in the wild shortly after the end of the fiscal year, and will be released at the Keauhou Nene Sanctuary on Hawaii. Several of the birds were lost for one reason or another, and the remainder are held at Pohakuloa as additions to the breeding flock.

An additional fifty-six adult nene, received from the Wildfowl Trust in England in September 1970, were released at Paliku in Haleakala Crater on the island of Maui. This brings the total number of nene released on Maui to 297. These, together with the 602 released to date on the island of Hawaii, which incidentally were all produced at Pohakuloa, bring the total number of captive-reared nene released in the State to 899 since the inception of the program in 1949.

Field observations on wild nene were continued on the islands of Hawaii and Maui. A number of nests and broods were observed within the Keauhou Sanctuary on Hawaii, and several others noted near the release areas on Maui, indicating that the nene were successfully propagating themselves in the wild. This program for increasing the population of wild nene in Hawaii, which in 1949 numbered less than fifty individuals throughout the world, is viewed by conservationists as an outstanding example of a successful comeback for an endangered species.

Koloa (Hawaiian Duck) Preservation

Forty-two koloa reared at the Pohakuloa Wildlife Station during the year were released in a selected area in the Kohala Mountains on the island of Hawaii. Verified reports were received in the spring of 1971, of three koloa broods which were reared in the wild in that general area. These reports are encouraging evidence of the success of this continuing effort to re-establish this interesting endemic duck in the wild on the island of Hawaii. At the present time, the koloa occurs in small numbers on the islands of Hawaii and Oahu, while the largest population in the State is on the island of Kauai.

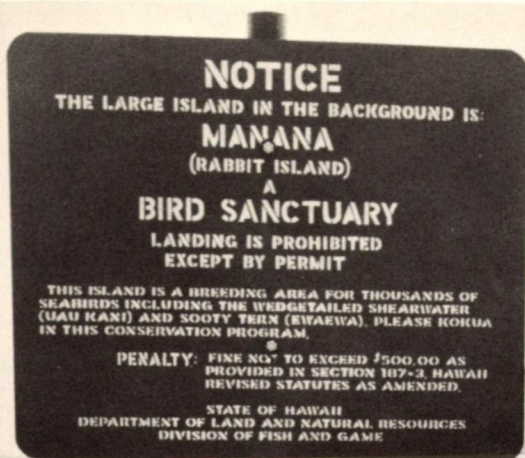
Rare and Endangered Waterbird and Forest Bird Research

Formal meetings were held in July 1970 and April 1971 by Department personnel and key officials of the U.S. Bureau of Sport Fisheries and Wildlife, from both Hawaii and the U.S. Mainland, to discuss and evaluate the Rare and Endangered Wildlife program in the State.

Following the 1970 meeting, a brochure, "Hawaii's Endangered Waterbirds", describing the critical need for wetland habitat preservation was published in September 1970. This publication has been of great assistance in explaining and clarifying the need for

The Laysan teal, a rare and endangered species, found in nature only on Laysan Island.





Oahu Game Management Assistant installing one of four signs which were placed along the shore opposite Manana Island telling surfers and boaters that Manana is a bird sanctuary.



Paiko Lagoon on Oahu, which is being established as a wildfowl preserve.

habitat acquisition and for improved management of wetland areas for the rare and endangered water birds of Hawaii. The Department and the Federal Bureau cooperated in distribution of hundreds of copies of this booklet to legislators, landowners, conservationists, libraries, and scientists throughout the State. Following the 1971 meeting, a "task force" similar to that which prepared the waterbird brochure, was established jointly to conduct a study and to prepare materials for a booklet covering Hawaii's rare and endangered forest birds.

Department biologists made a number of field trips to survey forest bird habitats on various islands, with special emphasis on the Alakai Swamp on Mt. Waialeale on Kauai, Haleakala on Maui, the Laupahoehoe area of Mauna Kea and the forested areas of Kona on Hawaii. During this study, an *Akepa* was observed in the Koolau Forest Reserve on the north slope of Haleakala on Maui. This small Hawaiian forest bird, which is classified as endangered, had not been reported by scientists for twenty-one years.

Biologists from the Department and from the Bureau of Sport Fisheries and Wildlife made two special surveys of Hawaiian crow habitat in the Hualalai areas of Hawaii during July 1970 and May 1971. During a two day field trip in May, a total of fourteen crows was seen at approximately the 5,000 foot elevation of Hualalai. This rare and endangered bird has attracted much attention from both State and Federal officials due to its apparent decrease in numbers, especially during the past decade. The Hawaiian crow, whose Hawaiian name is *Alala*, is one of the most interesting native birds. A puzzling

feature of its ecology is its extremely limited range. As far as is known by scientists, for over a hundred years it has occupied only a small area on the upper western slopes of Mt. Hualalai and the slopes of Mauna Loa in the South Kona and Kau districts of the island of Hawaii. The factors that have, and are influencing this rare bird's population are very little understood and will continue to be studied by scientists.

Wildlife Refuges and Sanctuaries

One of the important continuing programs of the Department is the surveying and studying of seabird populations on the off-shore sanctuary islets of the Hawaiian chain. These seabirds are important to the fishing industry of the State, since flocks of birds feeding in the open ocean are used by Hawaiian fishermen to locate schools of aku and other pelagic fish.

Department scientists and staff visited and inspected Moku Manu, Mokolii, and Manana Islands off the island of Oahu; Lehua off the island of Kauai; Mokuhooniki off Molokai; and Kure Island in the northern end of the leeward chain during the year. Signs were posted on various seabird islands, and four signs were placed on the windward coast of Oahu directly across from Manana Island Bird Refuge, warning recreationists of the protected status of the island.

Fish and Game Wardens pay particularly strict attention to protection of refuges and sanctuaries through control of visitors and through complete ban of any hunting and fishing.



State Forester Tom Tagawa assists Forester Wong in tree planting on Kahoolawe Island.

FORESTS AND OPEN SPACES

Kahoolawe Island

Kahoolawe is a dry, wind-swept island, 45 square miles in area, used for the past thirty years by the U.S. Navy as a target area. For more than a hundred years, it has been overgrazed first by cattle, and then by feral sheep and goats. As a result, wind and water erosion have stripped much of the soil from the island and left one-fourth of its surface virtually barren.

This year, the Department, in cooperation with the U.S. Department of Agriculture (Forest Service and Soil Conservation Service) and the Department of the Navy, planted over 1,500 trees and shrubs in six small fenced test areas, which exclude goats. Thirty-three native and exotic species of woody plants and several grasses are being tested to determine their adaptability to Kahoolawe's harsh environment. The initial survival of these plantings was satisfactory, with 76 percent of the seedlings alive after three months. One of the most successful species is the rare, native koaia (*Acacia koaia*), which has shown both high survival and rapid growth. The fenced areas are being used to test the introduced plants mentioned above, and also to determine the recovery of existing vegetation when it is protected from the feral goats and sheep. The U.S. Navy has commenced a vigorous program to reduce the population of hooved animals, and if possible, to totally eliminate them from the island. As soon as these animals are controlled, the experience gained in revegetation efforts within the fenced areas will be effectively applied over the rest of the island. This is a challenging conservation project—the revivifying of an entire island!

Ohia Decline

The alarming epidemic decline of ohia forests reported on the island of Hawaii is being thoroughly investigated. Studies of earlier aerial photographs reveal that about 80,000 of the 170,000 acres within the Hilo Forest Reserve are affected with this decline, and that the area with severely damaged ohia has nearly tripled between 1954 and 1965. There are indications that the affected area is even larger today, and that trees are dying at a more rapid rate. Scientists of the Institute of Pacific Islands Forestry and the University of Hawaii are assisting the Department in investigations of the causes, the current severity, and the rate of spread of the decline.

Arrangements are being made to obtain new aerial photographs of the affected forest areas to assess the existing situation. A number of ground plots have been established to identify other tree and plant species susceptible to the disease, and to determine short and long-range changes in forest composition. This disease can obviously have a major impact on native plants, and could adversely affect the program to develop commercial forests in Hawaii.

In addition to the ohia decline situation, a number of insect pests and diseases appear to be harming forest trees in several areas of the State. New insects and diseases may be introduced into Hawaii as a result of the greatly expanded air service to these islands from all parts of the Pacific, even though efforts are made through spraying of airplanes and quarantine inspections to control these undesirable immigrants. A forest entomologist has been added to the entomological staff of the State Department of Agriculture, and that organization will provide pest control assistance to the Department for our forest programs.

Forest Fire Control

The forest, brush, and grasslands where the Department has primary responsibility for prevention and suppression of wild fires contain a total of 1,929,000 acres. The generally accepted goal for fire control within the State of Hawaii is to limit the annual loss from fire to not more than one tenth percent (0.1%) of the forest area, or approximately 1,929 acres. This is often referred to as the "Allowable Burn". During fiscal year 1970-71, the actual loss was about three times greater than the allowable burn, or 6,473 acres. While the area damaged was much less than the 51,000 acres burned over in the preceding year, it is still no cause for complacency. Using the U.S. Forest Service's average value for damage to the resource of \$45.00 per acre burned, the estimated damage loss was \$281,285.00.

Unfortunately, the acreage and value data quoted above do not represent the Statewide loss from wild fires. The Department also assisted in the suppression of fires which burned an additional 2,950 acres in the National Parks, on private lands, and on other lands outside of our zone of primary responsibility. The losses in the National Parks lands were due to volcanic activity within the Volcano National Park.

Natural Area Reserve System

The Governor, under the provisions of Act 139, Session Laws of Hawaii, 1970, appointed members

to a new Commission to advise the Department and the Governor on the selection and management of a State-wide system of Natural Area Reserves. The Department provides administrative support to the Commission, and a number of individual divisions within the Department are actively assisting the Commission in its work. The first major accomplishment of the Commission during the period was the development of standard criteria for the selection of suitable areas. The primary intent of a natural area, is to preserve as nearly as possible undisturbed natural ecosystems of indigenous biota and to protect endangered organisms for scientific and educational purposes. Secondly, natural area reserves serve to exemplify our natural heritage.

The statutes provide for acquisition of private lands which may be needed to "round out" the system. However, the State which is the largest landowner in Hawaii, already has many tracts in Forest Reserves, coast lines, and bays, which have possibilities for selection as natural areas. Department staff have encouraged the Commission to review State-owned tracts which are believed to be particularly choice. Near the end of the fiscal year, the Commission recommended selection of two areas on the island of Hawaii; one is a tract of ohia-hapuu rain forest at Puu Makaala, and the other is a section of the 1942 Lava Flow on the slopes of Mauna Loa. The Commission also recommended selection of a marine area, Ahihi Bay, on the island of Maui.



This heavily diseased forest is typical of thousands of acres of ohia on the Island of Hawaii.



Dropping water on a fire from a Honolulu County Fire Department helicopter. This fire was fought and put out jointly by the Fire Department, U.S. Army, and Division of Forestry. Modern equipment such as two-way radios and helicopters is essential for rapid, initial attack.

Conservation Districts

More than forty percent of the land in Hawaii is zoned Conservation District by the Land Use Commission under the provisions of Section 205, HRS, revised. Within these districts, use of land whether private or public, is governed largely by rules and regulations established by the Board of Land and Natural Resources, and administered by the Department. Several of the staff and operating units of the Department are involved in the review of applications and in the administration and enforcement of the rules and regulations applicable in these areas.

During the past year, a total of 78 applications for use of private lands within the Conservation District were processed. The majority of which covered requests for construction of residences, and for public utility facilities, including powerlines, microwave communications stations, and for radio and TV towers. Other applications included requests for construction of boat piers and other recreational facilities on or near the shorelines, and for harvesting forest products.

WATER RESOURCES

The Department is active in the protection of the basic water resource—the watersheds and underground aquifers—and assists in development and utilization of this resource by coordination of plans and projects of the county governments and private agencies.

Watershed Research and Hydrologic System Investigations

Research activities on Hawaii's watersheds continued with projects on rainfall interception loss in forested areas—the rainfall caught by and evaporated from the tree crowns. This project will determine the net amount of rainfall reaching the ground under a variety of forest and climatic characteristics. Initial results of these basic studies are most encouraging. The first measurements of interception loss in the State have been obtained at the Kula Forest Reserve on the island of Maui. During the two year experimental period, while the area had a total measured rainfall of 130 inches, tropical ash permitted 109 inches of rainfall equivalent to reach the ground, while under sugi pine, the equivalent amount was only 85 inches. An intermediate level of 98 inches of rainfall equivalent reached the ground under stands of redwood and Monterey cypress.

Another active research project involves the measurement of the infiltration of water into various Hawaiian soils under different land uses. For example, infiltration rates have been found to be considerably higher for soils under forest cover, than for similar soils under sugar cane or pineapple culture, or under pasture. Since water runoff or ponding will occur when rainfall exceeds the infiltration capacity of a soil, the vital importance of the forested lands and water reserves for conservation of water is apparent.

The U.S. Geological Survey staff have completed water reconnaissance investigations for the southeastern portion of the island of Maui. Their report of this study is the fourth of a series of such reconnaissance studies which will ultimately cover all of Maui. Those already completed include the Lahaina and

Experimental trials to enhance natural rainfall on Mt. Kaala.



Wailuku districts, and the northeastern portion of the island. The results of these basic studies are utilized in the design and evaluation of data collection networks in those areas; and for preparing a comprehensive water resources plan for the entire island.

Water Resources Planning

The State-wide comprehensive water resources planning program was continued during the past year. The State provided \$100,000 for the program, and federal matching grants were received from the U.S. Water Resources Council under Title III of the Water Resources Planning Act of 1965; and from the U.S. Geological Survey, the U.S. Corps of Engineers, and the U.S. Soil Conservation Service for specific phases of the overall program. Planning efforts are being carried out on an island-by-island basis, with an inventory of basic water resources data and the formulation of guidelines for more detailed planning, research, development and management of the total water resources of each island.

In 1969, at the request of this Department, the U.S. Department of Agriculture began a survey of the needs of agricultural, rural, and the upstream aspects of the watersheds on the island of Hawaii. The survey report, scheduled for completion and publication in June 1972, will result in recommendations concerning water resources improvements under specific U.S. Department of Agriculture programs; and will also provide agricultural information for the State-wide comprehensive water resources planning program.

The Department continued the compilation of surface water and ground water data in cooperation with the U.S. Geological Survey and other government and private agencies and organizations. During the past year, data from approximately 300 stream gaging stations operated and maintained by the U.S. Geologic Survey were published by that agency in a report entitled, "Water Resources Data for Hawaii and Other Pacific Areas". In climatology data, the Department continued to compile records from approximately

1000 climatology stations maintained by various agencies and individuals throughout the State.

The services of the Statewide Information System (SWIS) were utilized for the first time to index and file basic water resources data. During the past year, station indices for rainfall stations and for wells were established in SWIS, and rainfall and pan evaporation data were stored for retrieval. Regular quarterly print-outs from the files are provided to the Department for information and utilization.

Exploratory Well Drilling

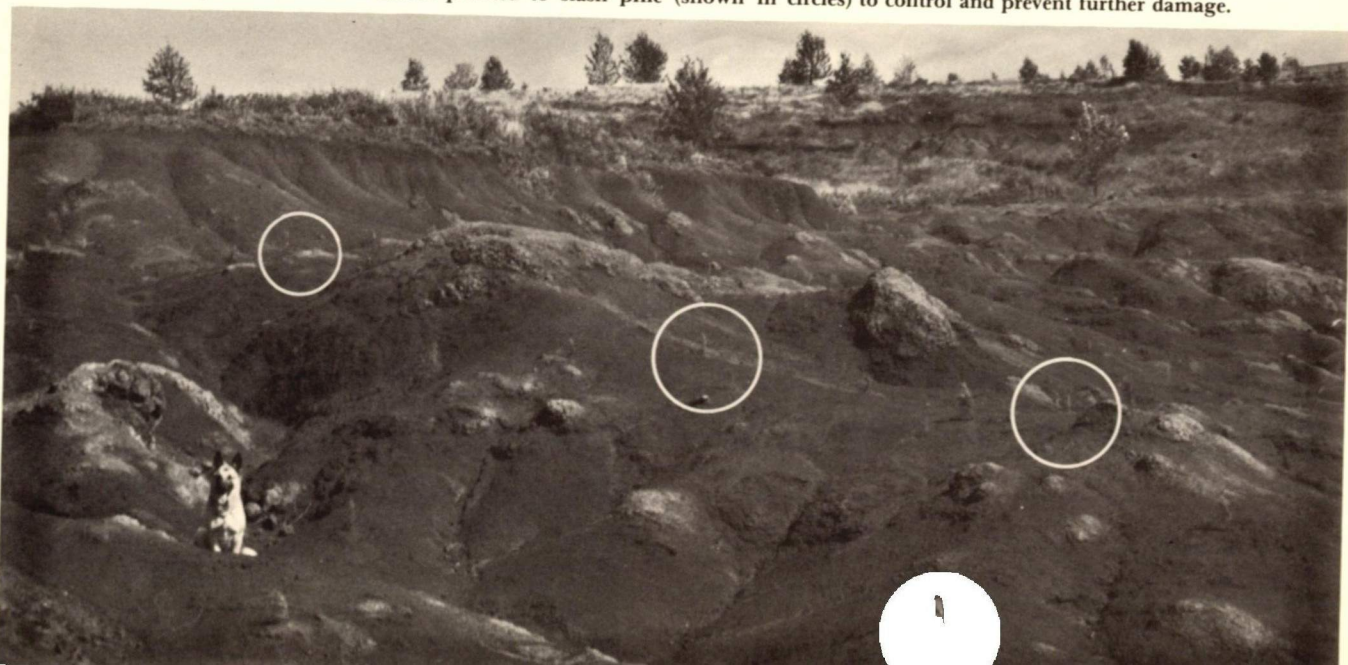
The Department conducts an exploratory well drilling program to obtain subterranean information on hydrologic and geologic conditions from selected areas within the State. This program provides direct information on groundwater conditions by actual drilling into potential groundwater source areas. Wells which prove capable of yielding water of high quality and of potentially high production may be further developed as producing wells to supply domestic water needs. At the end of the fiscal year, two wells were being drilled—one at Nonou Ridge on the island of Kauai, and one at Napili on the island of Maui.

Regulation of Watersheds and Ground Water Use and Development

The Department continued the program for enforcement of applicable statutes and regulations relating to watershed areas established to protect surface waters developed for domestic water sources. Foresters patrol the watersheds to control trespass and consequent damage to forested areas and contamination of water sources.

Operating and abandoned wells are periodically inspected with assistance from the U.S. Geologic Survey and the county Departments of Water Supply, and administrative action taken to correct leakage or potential contamination of the underground water sources.

Severely eroded land on Kauai planted to slash pine (shown in circles) to control and prevent further damage.



Soil and Water Conservation Districts

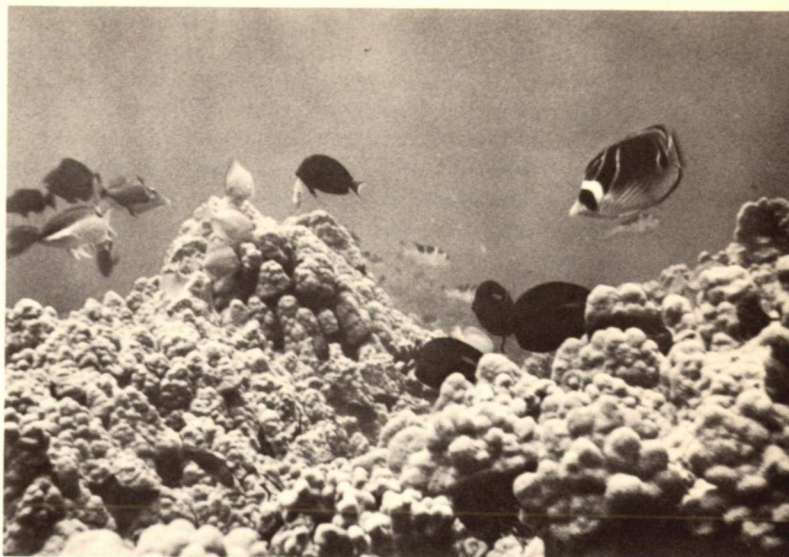
Department staff provides administrative assistance to the fifteen Soil and Water Conservation Districts in the State. Each independent District, governed by five Directors, plans and establishes cooperative action programs for conservation, development, and management of water and soil resources within their district. Local efforts for conservation and erosion control are supplemented and supported by technical and financial assistance from various federal, State, and County agencies.

The supportive activities of the Department include supervision of District elections, and through the Chairman of the Board, certification of election of Directors; coordination of the efforts of the Districts for mutually beneficial activities; provision of information and technical assistance when requested; and financial support and coordination of the annual SWCD State Conference.

This year, for the first time, the Department, with assistance from the University of Hawaii, sponsored and financially supported a training seminar for SWCD District Directors and other interested people. Excellent response was shown at the seminar, which was directed principally at the legal and administrative complexities of the conservation programs within the State.

About 4800 acres of land under the control of Olokele Sugar Company, Ltd. were added to the West Kauai Soil and Water Conservation District during the year.

Massive fish kill at Keehi Lagoon, Oahu caused by presumed indiscriminate dumping of lethal pesticides in streams.



Koaie Cove (Lapakahi), Hawaii, abounding in colorful reef fishes, was one of the areas examined by Fish and Game survey teams and found suitable for establishment as a marine preserve.

Underwater Parks and Marine Preserves

Selected sites off the coasts of the islands of Hawaii and Maui were surveyed by teams of trained divers to determine the suitability of these areas for establishment as marine preserves and underwater parks. Specific sites covered on Hawaii were Kiholo Bay, Anaehoomalu Bay, Makaiwa Bay, Kawaihae, Honokoa Cove, Keawaula Bay, and Koaie Cove. On Maui, the underwater features of Ahihi Bay and La Perouse Bay were carefully examined. Of these areas, Koaie Cove in the Kohala District of Hawaii, and Ahihi Bay in the Makawao District of Maui were deemed best suited for designation as marine preserves. Both sites are characterized by interesting and luxuriant growth of coral, an abundance of colorful fish, and calm and clear waters.

Crown-of-Thorns Starfish

The unusual concentration of the crown-of-thorns starfish (*Acanthaster planci*) that was found to be killing coral of the coast of Kawela, Molokai, has been successfully controlled. Three underwater surveys conducted since the experimental eradication efforts in April and May of 1970, when a coordinated effort by Department and volunteer sport divers killed a total of 11,800 starfish, revealed that few starfish remain in the area previously heavily infested.

Scouting of the reefs to the east and west of the previously infested area, in search of additional concentrations of the starfish revealed the presence of only two small groups each containing about 100 to 200 starfish between Kawela and Kamalo. Other areas around Molokai that have been searched for starfish are Kolo, Haleolono, between Laau Point and Ilio Point, and the bottoms on the north and south sides of Ilio Point. No further concentrations have been found.

SECTION IV PROGRAMS FOR LEISURE TIME

The increased leisure time and affluence of many of the permanent residents of the State, as well as the increased influx of military residents and tourist visitors, has greatly expanded the total demand for a wide range of leisure time activities throughout the State. The Department, together with Federal and County agencies, and private interests, conducts an active program for providing opportunities for outdoor recreation, both active and passive, as well as for scientific and educational exposure to many elements of Hawaii's ancient culture and history.

STATE PARKS

State Parks System

The Department currently maintains a total of thirty state parks, recreation areas, and waysides on the five major islands of the State to help fulfil the recreational needs of State residents and visitors. A wide variety of recreational opportunities are provided, ranging from the shorelines to the mountains, and including camping, picnicking, hiking, swimming, fruit picking in season, pleasure drives and other similar activities. Cultural enrichment opportunities are offered at eleven State historic sites and monuments.

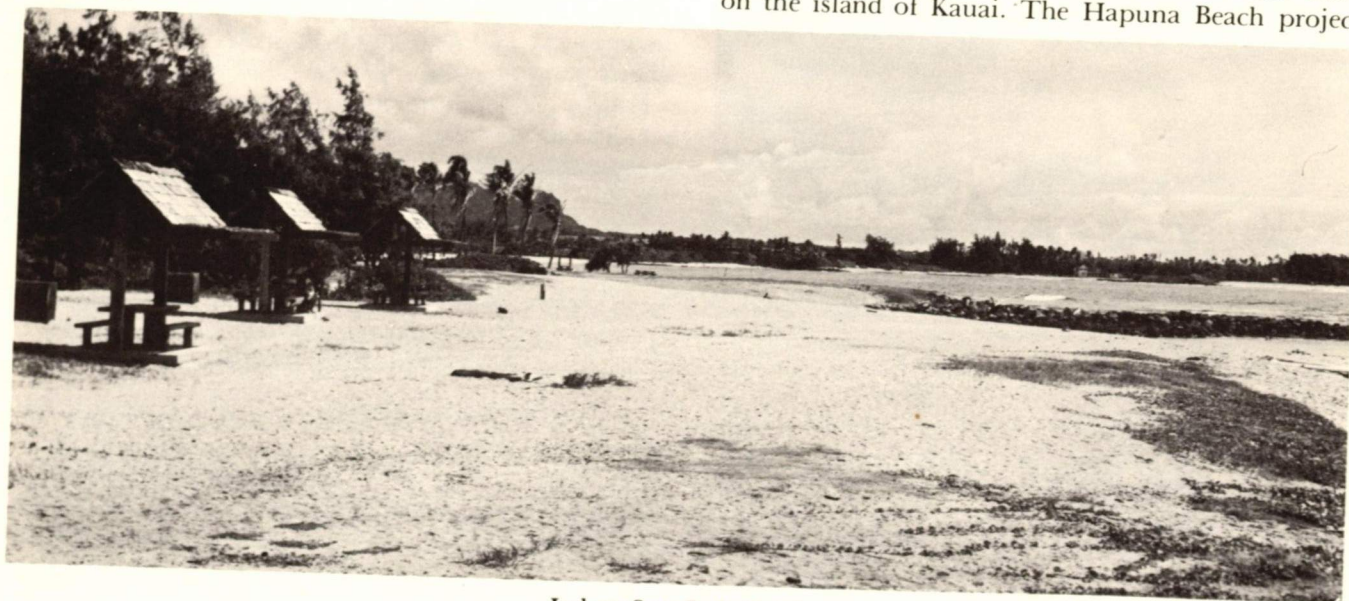
The effectiveness of the State Parks System is best exemplified by the estimated thirteen million visits made to these parks and historic sites by residents and visitors during the past year. Although these estimates are based entirely on periodic sampling of the parks usage, the trend definitely indicates a long-term growth in total parks visitation. The demands for more recreational space and facilities are likely to continue in the foreseeable future as increased leisure time, higher incomes and mobility of the people become more apparent.

Park Planning

During the past year, major emphasis was placed on a systems approach to parks planning. The basic objective stated is that all parks and historic site planning, land acquisition, and development be geared toward effective utilization of the natural scenic, recreational and cultural resources of the State in meeting the recreational and cultural needs of our residents and visitors. Initial steps have been taken to establish a resource inventory of all existing and potential outdoor recreational opportunities, which will complement similar efforts being made to inventory the historical and archeological resources of the State. This combined information file, which is being stored within the Statewide Information System (SWIS) facilities, will aid in planning for and developing additional recreational requirements, and will also serve to protect recreational and historical resources from encroachment and damage by incompatible uses.

Master planning and research are proceeding for the Makiki-Tantalus, Waimanalo Bay, and Wahiawa Freshwater parks on the island of Oahu. A unique concept of a "living park" is being developed for Kahana Valley, also on Oahu. This concept will encourage the residents now living in the valley to preserve various ethnic and cultural aspects of Hawaii's diverse racial background, and to demonstrate their way of living to the public. Master planning is now in process covering the Diamond Head State Monument on Oahu.

Master plans were completed during the period for Hapuna Beach State Recreation Area on the island of Hawaii, and for Wailua River State Park on the island of Kauai. The Hapuna Beach project



Lydgate State Park, Kauai

is proposed to include some 540 acres of land, most of which is already State owned. This will provide ample space for development of extensive day use facilities, as well as overnight camping facilities for individuals, families, and groups. The proposed park developments have been closely coordinated with other proposed land uses in the surrounding areas.

Extensive development has already been carried out at Wailua River State Park, and the area is heavily used. The proposals for additional development include a water park in the lower river basin, and a nature park in the area above a natural dividing ridge through the park. The proposed water park is intermingled and coordinated with private hotel-resort developments and with other visitor facilities. The nature park would preserve and enhance the considerable natural and archeological values of the area. Preservation and interpretation of the historic values of the whole area is a major element of the master plan for this park complex.

Park Development

The continuing program for development and improvement of parks throughout the State was carried on through the past year. Acquisition of seventeen acres of private land for the Russian Fort Historic Landmark on the island of Kauai was completed at a cost of \$91,000. Historic research is continuing for this important historic site of the only visible evidence of Russian influence in Hawaiian history. The 4.35 acre Mohouli Fishpond at Wailoa River in Hilo was acquired from the Bernice P. Bishop Estate, for enlargement of the Wailoa River State Recreation Area and for preservation of the fishpond. Proceedings in eminent domain have been initiated for acquisition of private lands within the proposed Makua-Kaena State Park on Oahu, and also for the Haena State Park on the island of Kauai.

Group cabins, picnic facilities and resource management facilities were constructed at Mauna Kea State Park, and at Hapuna Beach State Recreation Area on the island of Hawaii, with participation from the Bureau of Outdoor Recreation. Picnic shelters and walkways were provided at Wailoa River State Recreation Area, and parking improvements, comfort stations and utilities were constructed at Rainbow Falls lookout in Hilo, Hawaii. On the island of Maui, picnicking and swimming facilities were provided at Launiupoko and Waikeolu Waysides; and additional group cabins, expanded picnic areas, and enlarged tent facilities were constructed at Waianapanapa State Park, together with necessary utilities and other support.

Minor park improvements were completed by force account at Kokee, Polihale, and the Wailua River State Parks on the island of Kauai, and also at the Wahiawa Freshwater Park on Oahu. The force account work crew was assigned to Palaau State Park on the island of Molokai, to complete the develop-

ment at this scenic outlook. Improvements included a comfort station, and pavilion and picnic facilities. Utilities and roadway improvements were carried out through contractual arrangement with the State Department of Transportation.

The initial phase of development was completed for Magic Island State Park on the island of Oahu. Improvements for this thirty-five acre park included grading and landscaping of a twenty acre portion of the park, and installation of comfort stations, beach improvements, and beach facilities for swimming and other water-oriented activities. Walkways for pedestrian access in various areas of the park were also developed for public enjoyment. The next phase of development, scheduled for the following year, will include additional landscaping, parking facilities, and expanded picnic areas and facilities.

The completion of the first phase of work in Waihilā State Park provided an additional access for hikers and picnickers to the Koolau Mountains. Picnic facilities, comfort stations, and parking areas are planned, and will be provided in the next increment of development.



Children enjoying shower at Magic Island State Park. Public use of this park was permitted during some phases of the development work.



A state park on Magic Island.



HISTORIC PRESERVATION

The goals of the historic preservation program are: (1) to conduct and evaluate a State-wide inventory of all known and recorded archeological and historical sites and places in Hawaii; (2) to prepare a State-wide Comprehensive Historic Preservation Plan; and (3) to establish an effective State-wide preservation and restoration program. The Department's program is being conducted in accordance with the Federal Historic Preservation Act of 1966 (Public Law 89-665), and with State and Federal matching funds.

Archeologic and Historic Surveys

Archaeological survey work for the statewide inventory was underway at the beginning of the fiscal year for the island of Oahu. Following employment of two research assistants, who joined two archaeologists, the work was accelerated, and completed in late December 1970. Field survey work was then focused on the island of Hawaii, and by the end of the fiscal year, the Hilo District was completed and approximately half of the Kona District also covered. To date, approximately 2,000 archeological sites have been surveyed and inventoried on these two islands.

An historian was also hired to carry out the historical research related to the Statewide inventory of historic buildings and sites, and substantial progress has been made in completing the survey on Oahu's historical buildings and sites. A total of thirty-five such buildings and sites have inventoried, field checked, processed, and recommended to the State Historic Sites Review Board for nomination to the National Register of Historic Places, as required for the Federal historic preservation program.

The archeological salvage program previously carried on by an archeologist under contract to the Department, was discontinued at the end of the fiscal year. Under this program, efforts were made on an emergency basis to survey and salvage archeological data and values from sites threatened by highway construction and other development projects. However, this initial program has been replaced by a new arrangement whereby the Department staff serve in an advisory capacity to the agency responsible for the development, and the research institutions, principally the Bernice P. Bishop Museum and the University of Hawaii, who carry out the archeological salvage work.

The initial phase of the archeological investigation of Kahana Valley, destined to be a major State park, was completed by the Bishop Museum during the year. The archeological sites within the valley have been located and mapped. Proposals have been made for further investigations involving excavation of apparently significant sites to determine their kind and use, and this is programmed for the next fiscal year.

In addition to field survey work, Department staff provide historic and archeologic information and technical advice to interested organizations and individuals; and generally coordinate the archeological work on State lands. The Bishop Museum, by arrangement, acts as depository for artifacts found on State lands.



Iolani Palace being restored as an important historic place.

Preservation and Restoration

Currently, a total of eleven historic monuments and historic sites are under management and control of the Department. These include the more prominent Iolani Palace, as well as the Royal Mausoleum on Oahu, and Hulihee Palace on the island of Hawaii, together with a number of ancient heiaus and other historic sites scattered on the several islands.

Major efforts during the past year were directed toward the restoration of the Iolani Palace complex to the Monarchy Period. Preliminary plans for initiation of the restoration and preservation of this, the only royal palace in the United States, were developed and approved; and a contract for incremental restoration of the palace was negotiated with the Friends of Iolani Palace. The Friends of Iolani Palace is an organization of individuals who are deeply concerned with the authentic restoration of Iolani Palace to represent a most important period in the history of Hawaii. Selected restoration work, architectural planning, urgent repairs and preliminary interpretive work for the palace, and installation of a roof for the adjacent Iolani Barracks were included in the initial contract.

Other restoration projects carried out during the year included re-landscaping the grounds and providing termite treatment for the chapel of the Royal Mausoleum. Presently under study is a proposal for acquisition of an area in Nuuanu Valley containing some exceptionally well preserved Hawaiian petroglyphs. These would be protected and interpreted, and ultimately would become a part of the planned Nuuanu Greenbelt Park.

The Department published, and distributed several major reports related to the preservation program, including: "Surface Survey; Kawaihae Road Corridor Section III", which describes work carried out for the Department of Transportation highway project; "Preliminary Survey of Waianapanapa State Park", which describes archeological work within the State park; and, "A Bibliography of Hawaiiana", which is a compilation of pertinent references to Hawaiiana material.

FOREST RECREATION

The message of "Welcome Visitor" directed towards resident and tourist alike, is being displayed in many State Forest Reserves. Forestry trail construction and maintenance has provided the welcome mat and has provided access for regulated use of outdoor retreats, whether it be for fishing, hunting, hiking, camping, picnicking, swimming, or just relaxing in wildland surroundings.

Hand in hand with trail construction, other forest management practices, such as tree planting for noxious plant and erosion control also help to develop sites to a fuller recreation potential. Emphasis has been placed not only on developing areas for immediate use, but also for future needs. Potential forest recreation sites are managed so they will be suited for public recreation when needed.

The forest reserve trail system has been planned and is under implementation to provide for a variety of needs, from short easy walks, to rugged knapsack routes for the more adventurous. These trails also contribute to other Departmental programs, and most particularly to environmental protection. They are useful for patrols in areas where motor roads would

not be desirable, and for access in fighting fires.

On the island of Kauai, in just a few years, development work in the Na Pali Forest Management Area, on the Kalalau Trail, and the new construction of the Hanakoa Falls Trail, the Hanakapiai Loop, and Hanakapiai Falls Trail, have made the Na Pali an important forest reserve recreation site. Emphasis during the past fiscal year has been in the Waimea Canyon unit of the Alakai-Waimea Canyon Forest Management Area. The trail system in this area features trailside and streamside campsites in the rugged Koaie Valley.

On Oahu, the huge job of keeping trails clear of vegetation and earth slides was almost too much for the limited manpower using hand methods. A small tractor was purchased to speed up the work, and to test the feasibility of using mowers to cut vegetation on the trails and backslopes. During the fiscal year, 42 miles of trails were repaired and provided other needed maintenance. A total of four thousand printed trail maps were distributed to hikers, and 6,000 inquiries for information on hiking, camping and picnicking were serviced. It appears valid to assume that several times this number benefited from the maps and other information made available.



Young people enjoying a mountain trail maintained by the Division of Forestry in the Koolaus behind Honolulu. Here they learn about Hawaii's flora and fauna.



A water reservoir at Waimea, Hawaii which can with proper planning and development be utilized for recreation.

OTHER NATURAL FEATURES

The Kanaha Pond Wildlife Refuge on the island of Maui, and the Pohakuloa Wildlife Propagating Station on the island of Hawaii, although managed for preservation of wildlife, were visited by numerous individuals and organized groups such as Boy Scouts, conservation organizations, school classes, and other nature study groups during the past year, thus providing both educational and recreational enjoyment.

At the Kanaha Pond Refuge, groups of school children were taken on excursion trips through the refuge by Department staff personnel, who explained the various species of wildlife using the refuge as nesting and feeding grounds, and also discussed conservation efforts to preserve the habitat for these species.

Development plans for improvement of the Kahana Pond Refuge, and for the Paiko Lagoon Wildlife Refuge on the island of Oahu, are being finalized. The initial phases of incremental development of these refuges will commence shortly.

PUBLIC HUNTING

Public hunting is controlled through regulations of the Board of Land and Natural Resources on approximately one million acres of game producing lands on all of the major islands in the State. These include State owned lands under control of the Department, as well as State lands under control of other departments, and private lands on which hunting rights have been secured through cooperative agreements. Included in this acreage are eighteen areas consisting of some 509,000 acres which have been designated "game management areas" because of their outstanding game producing capabilities. These areas are more intensively developed and managed than are undesignated areas. Hunting in the game management

areas is closely controlled, and this makes possible collection of reliable hunting statistics.

The big game harvest reported on the game management areas increased by ten percent over the previous year. The increase is attributed primarily to a special pig and goat season on Mauna Kea on the island of Hawaii. A public hunting season was opened on Kauai for the blacktail deer, the second such season since the initial release of this game species in 1961. As the hunter demand, as expected, exceeded the supply of surplus bucks, a public drawing was held to limit the number of hunters to 120. The total big-game harvest for 1970-1971 was 6,552 mammals, as compared to 5,968 for the previous period.

For the third year in a row, dry weather conditions during the critical spring months resulted in poor game bird production and corresponding low hunter harvest of most species. Bird hunting was suspended on the Molokai game management areas due to extreme fire hazard resulting from the drought.

Maintenance of Game Management Areas

Maintenance activities such as repair of hunter checking stations, jeep roads, game watering devices, fences and trails were carried on during the year on all game management areas. A 500-gallon watering unit was erected in the Kekaha area on the island of Kauai to benefit game birds and big game animals. In addition, a one and a half mile pipeline was installed on Mana Ridge in the Kekaha area, and connected to a 10,000-gallon tank to provide water to game birds. Also in this area, an experimental lantana eradication program was conducted in cooperation with the University of Hawaii Agricultural Experiment Station. Several herbicide combinations were tried during the year, and a total of sixteen acres was treated during the study.

Four exclosures were erected around game watering units in the Kekaha area to fence out cattle, and three new water troughs were installed to benefit big game animals.

Wildlife Habitat Improvement

Habitat improvement practices for wildlife areas were continued at selected sites throughout the State. Strips which had been cleared through brushy areas during previous years showed considerable use by game birds. Approximately ninety-five acres of dense *naio* thicket in the Kaohe game management area on Hawaii were thinned out to create conditions suited to vigorous growth of plants that produce game bird food, and to enable hunters to enter the area. Mamani seedlings were planted on a two hundred acre portion of Kaohe cleared during the previous year, and approximately 25 acres were planted with game bird food plants.

Department wildlife biologists met with Federal and State veterinarians to study means of controlling the spread of brucellosis in wild pigs in the South Kona area of the island of Hawaii. It is feared that this infection in the feral pigs may be transmitted to careless hunters, or may act as a reservoir which may infect cattle and hog herds. Department staff committed their services in the effort to determine the distribution of the feral pigs infected with the disease.

Additionally, an informational leaflet, describing the disease in pigs in Kona was prepared in cooperation with the veterinarians of the State Department of Agriculture as a handout to hunters in the area. The

leaflet was designed to inform hunters of the safety precautions necessary when handling infected pigs taken in hunting. Leaflets were distributed through all Department offices and through license agents on Hawaii.

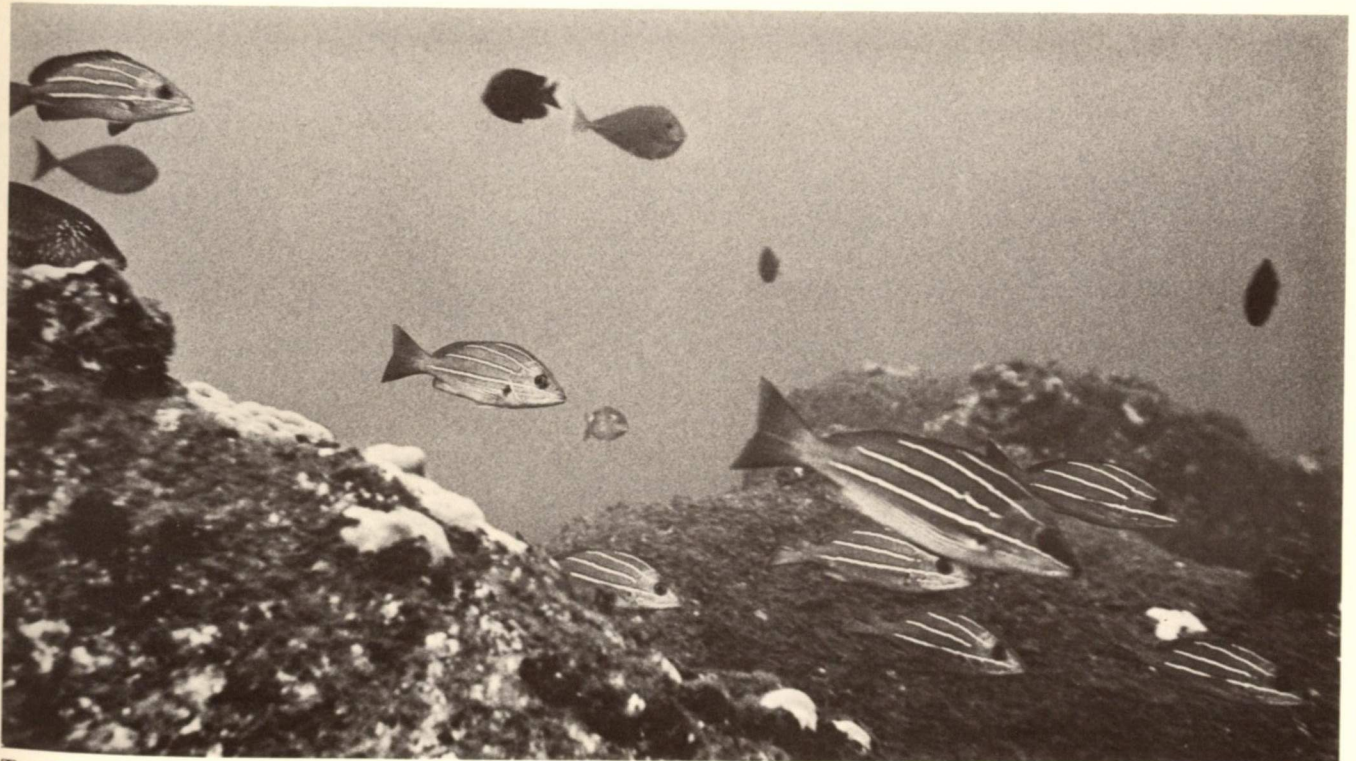
RECREATIONAL FISHING

Recreational Fishing Survey

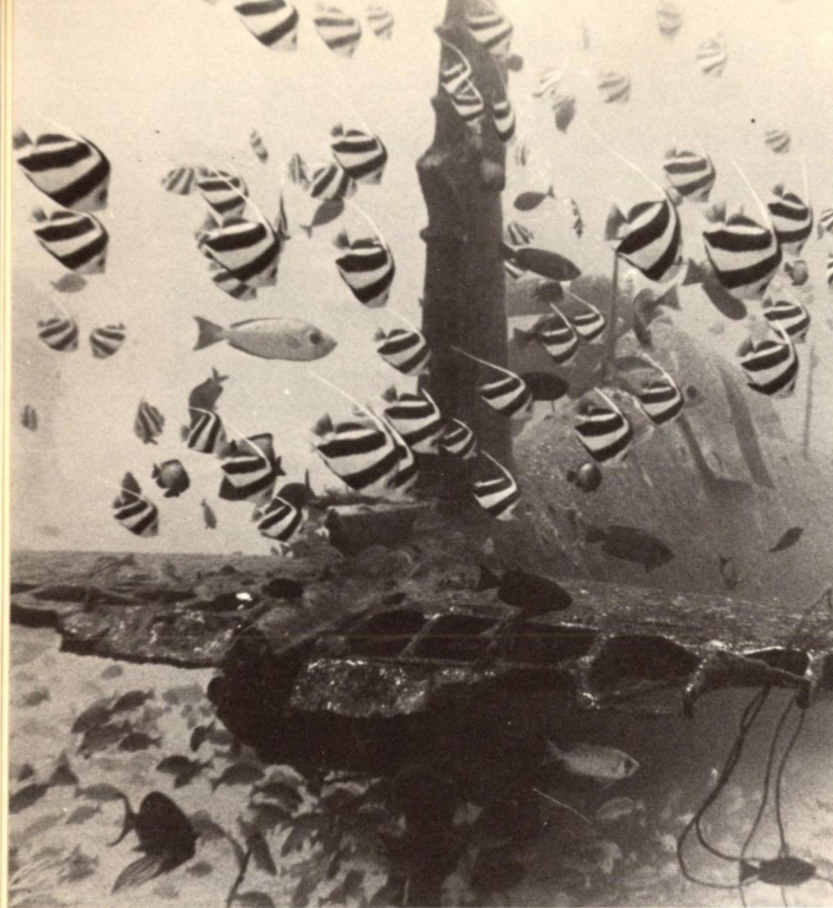
A survey of recreational fishing activities in the Counties of Hawaii, Maui, and Kauai was contracted with the Department of Agricultural Economics of the University of Hawaii. This survey is an extension of the study recently completed in the City and County of Honolulu. The household interview and sampling phase of the neighbor island survey has been completed, and the collected data are being analysed. Preliminary results indicate that among families that do fish on each of the neighbor islands, a greater percentage of heads of households and their wives on Kauai go fishing than do those on Maui or Hawaii. On all three islands, fishing from shore appears to be more popular than fishing from boats or by diving. There also appear to be differences in methods of fishing between the islands. When the study is completed, the significance of Hawaii's sport fishery and its impact on the economy of the entire State will be determined.

Ala Wai Canal

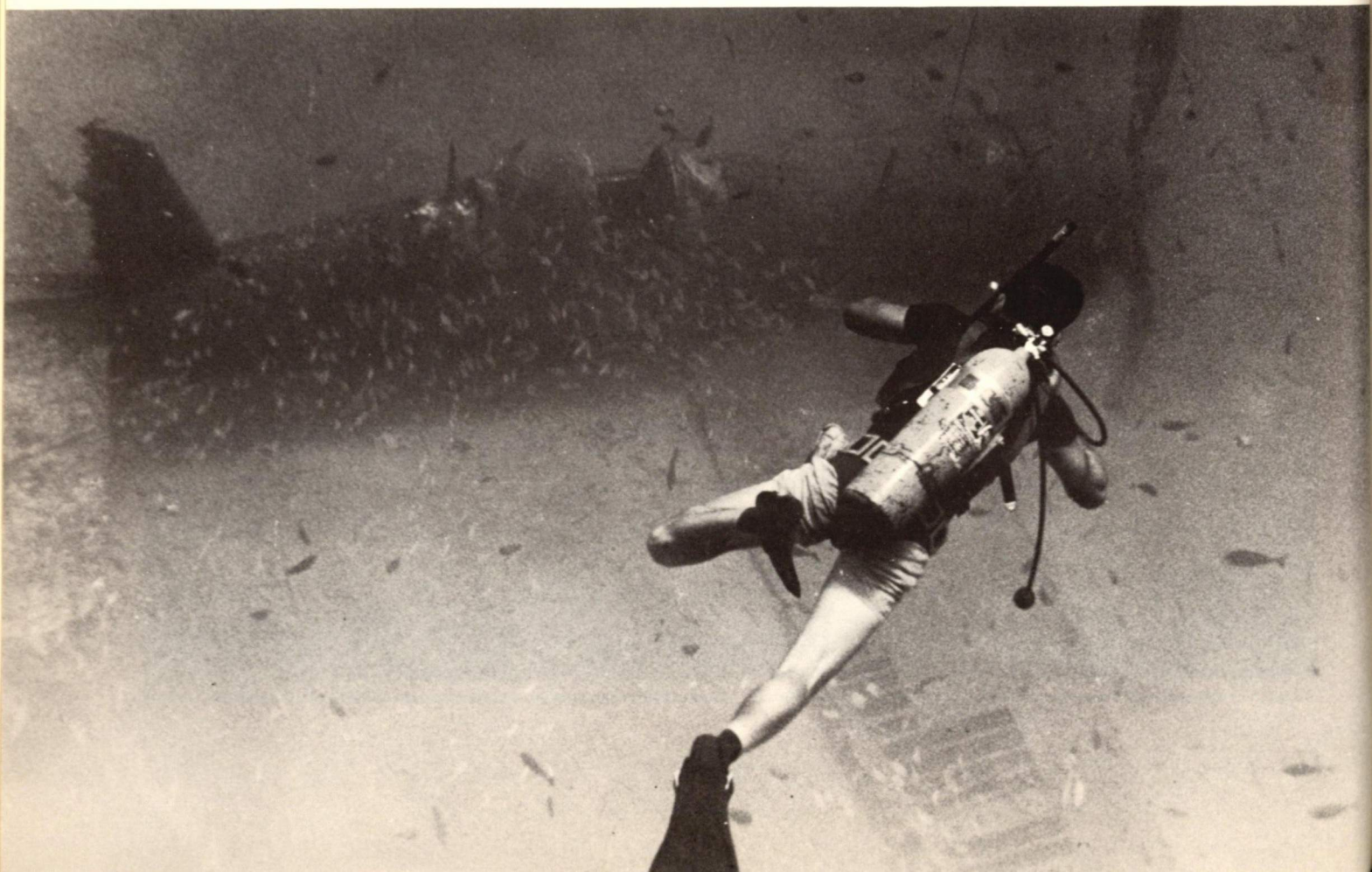
The Oceanography Department of the University of Hawaii continued a study of the Ala Wai Canal in Honolulu under contract with the Department. The study is designed to gather information on the physi-



Taape, an ocean snapper introduced to Hawaii from the South Pacific, which is proving to be an excellent sport and food fish for these islands.



Construction of artificial shoals in selected areas has proven quite successful in enhancing the natural population of fish in Hawaiian waters. An excellent example of this is a World War II Corsair airplane resting on the ocean bottom off the leeward coast of the Island of Oahu, which is providing a safe haven for fishes. At the left, colorful butterfly fish examine the wreckage. At right, a school of taape (snapper) take their turn to play. The bottom photograph shows a scuba diver descending to a depth of 90 feet in the clear ocean water to view the war relic.—All photos by Bob Zehring.





The stream and lagoon at Wailoa River State Park are well known for outstanding mullet fishing.

cal and biological aspects of the canal as a prelude to the formulation of a management plan that will encourage the maximum development of the recreational potentials of the area. At the present time, crabbing is the most popular year-round activity in the canal, although fish such as large awa, the awa awa, mullet, oio, luku, papio, lae, and tilapia are also taken in some quantity. Productivity studies indicate that the canal, although small, is a water body of rather high fertility and may be among the most naturally productive waters of the entire State.

Marine Resource Surveys

Underwater surveys of fish and bottom features were conducted by biologists of the Department in conjunction with various management related activities. Information gathered through the surveys was used to form the basis of comments on environmental impact statements, Conservation District use applications, and U. S. Corps of Engineers public notices, covering various proposals for government and private developments along the shorelines. Examples of this activity include examination of fish and ocean bottom conditions off Barbers Point, Oahu in relation to a proposed offshore oil tanker mooring and oil transmission line; a shoreline survey off Waikiki Beach extending from Fort DeRussy to the old Natatorium in conjunction with beach improvement proposals of the U.S. Corps of Engineers; and other beach frontage studies for proposed piers, channels and general improvements. The information gathered is added also to the inventory of inshore marine resources of the State.

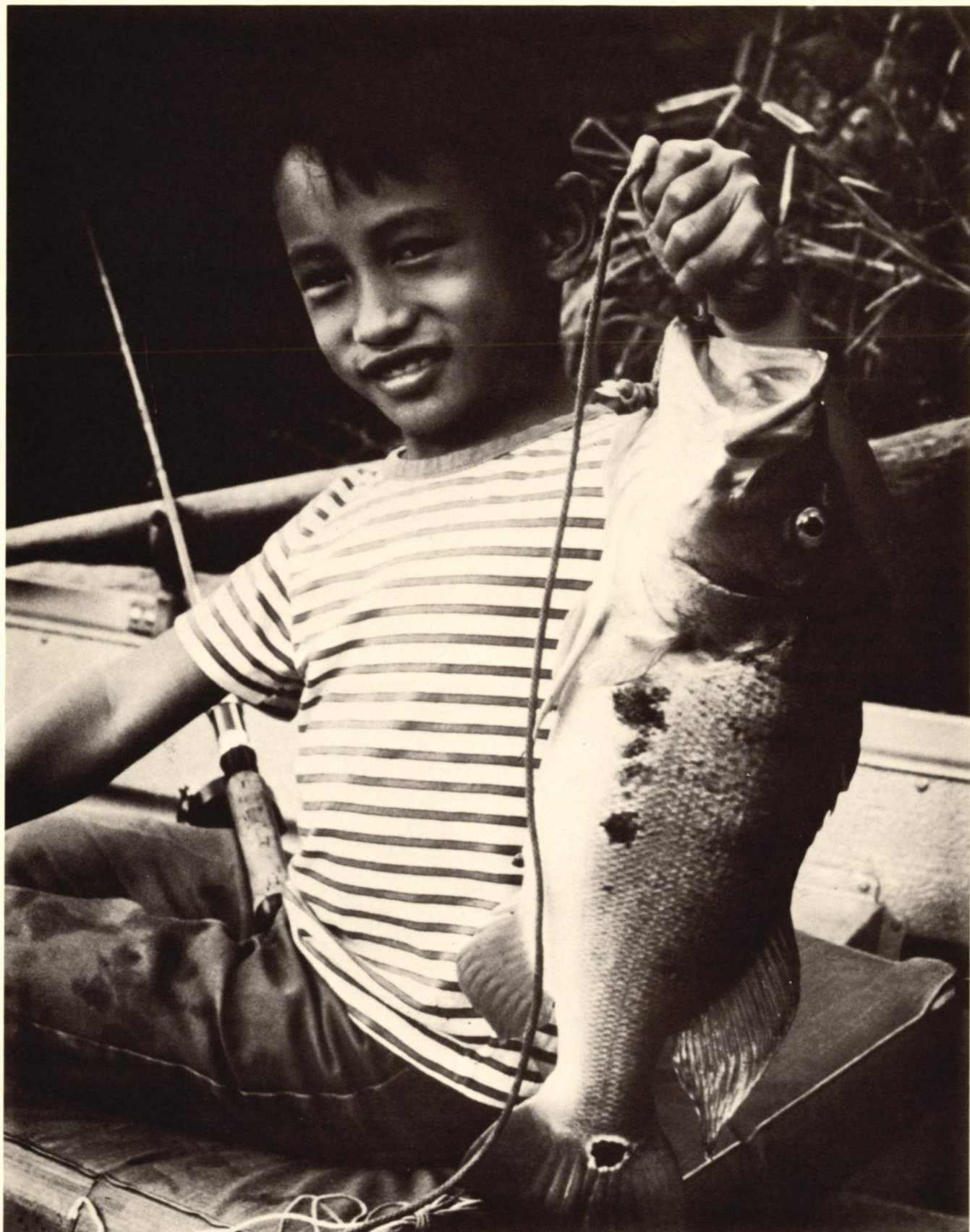
Artificial Fish Shelter

A survey at the Maunalua Bay Artificial Shoals off Oahu earlier in the year revealed that the old automobile bodies and frames have almost completely disintegrated and are being covered with sand. To replace the loss of this shelter, about 1,000 tons of damaged concrete pipes, donated by the Pacific Division of the United Pacific Concrete Pipe Corporation and by the Hawaii Pipe Department of HC&D Ltd., were barged out to the shoal and discharged on May 14, 1971. The concrete pipes are expected to provide more permanent shelter for fish than old auto bodies.

At the Waianae Artificial Shoal, a steel barge measuring 175 feet by 45 feet, and 10 feet high, donated by the Hawaiian Tug and Barge Company, was scuttled to provide additional fish shelter. Three fish counts were made during the year over the artificial shoals at Waianae and Maunalua Bay to monitor the standing fish crop at these shoals.

Shark Control and Research

A systematic shark fishing program throughout island waters was initiated in March by the chartered vessel *Machias*. Thus far, the vessel has completed one fishing circuit covering each of the major islands, and has fished a total of 36 overnight sets with standard shark fishing long line gear of 72 hooks per set. A total of 120 sharks were caught during the year, including 52 tigers, 52 sandbars, 9 blacktips, 4 galapagos, 2 gray reefs and one mako. Sufficient funds remain for the *Machias* to conduct another round of shark control fishing.



A young angler proves that he has developed considerable skill with spinning tackle. Without assistance he caught and landed this large, hard-fighting tucunare.

Public Fishing Areas

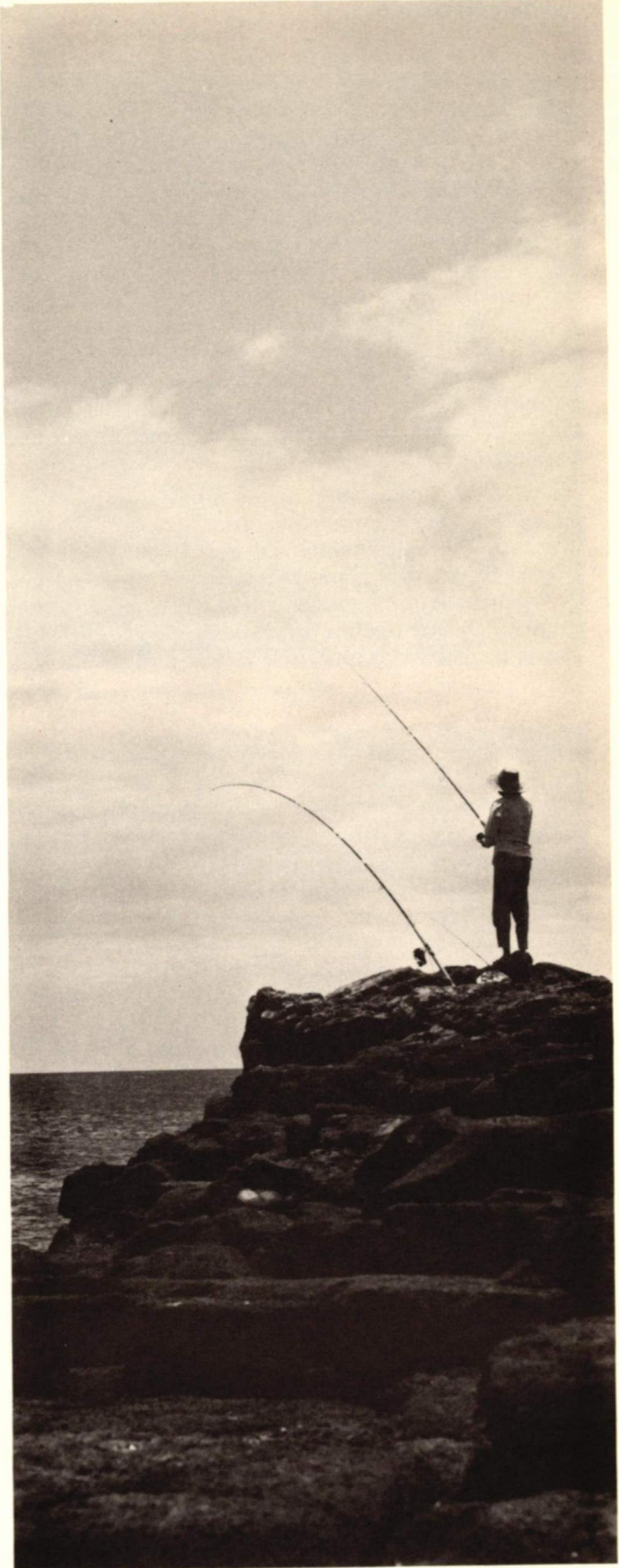
Checking station data collected at the Kokee Public Fishing Area on Kauai during the trout fishing season (August 1 to September 27) showed that 507 fisherman-trips resulted in the taking of 698 trout. The Koaie Stream, which was opened to fishing for the first time in many years, produced a catch of 64 trout in fourteen fisherman-trips into this remote stream.

Trout hatchery facilities at the Keehi Fishery Station were operated during the period December 31, 1970 to April 2, 1971. Two shipment of trout eggs were imported from a Federal hatchery in Winthrop, Washington for hatching during this period. An estimated total of 80,000 fingerlings produced in the hatchery were stocked in the Kokee streams. Stocking operations were greatly facilitated by utilizing techniques developed last year for lowering the fingerlings into the streams from a hovering helicopter.

Creel census and fisherman interviews during calendar year 1970 showed continuing heavy usage of the Wahiawa Public Fishing Area by the fishing public. Gross estimates showed that some 15,000 fisherman trips were made to this fishing area during 1970. Reports indicate that about 18,000 fish weighing a total of 16,000 pounds were caught during this same period.

Significant additions were made to the growing body of knowledge about the life history of the *tucunare*, a highly regarded game fish introduced from South America. Tagged tucunare returned to the Department by anglers under an incentive-reward system, have grown at a surprisingly rapid rate in the Wahiawa Reservoir, with fish less than two years old reaching weights of 4-5 pounds. Management oriented analyses of spawning, feeding habits, movements, and production data have suggested methods for protecting the species while at the same time increasing yields to sportfishermen. A greatly increased population of tucunare in the reservoir in 1971 is attributed to favorable environmental conditions that protected the fish during the spawning season. As a result of the increased availability of fish, up to a thousand fishermen have begun to utilize the public fishing area each week.

Experimental fishing seasons opened last year at the Nuuanu Reservoir No. 4. This was made possible through the cooperation of Mr. George Yuen, Manager-Chief Engineer of the Honolulu BWS. The trials showed that significant recreational fishing opportunities were offered through controlled public fishing in the reservoir. However, the fish caught during the three trial periods of fishing appeared to be generally undernourished due to insufficient forage materials and organisms present for the large fish population in the reservoir. No further fishing was allowed during the year, but a supplementary feeding program was instituted, with very encouraging preliminary results. The supplementary feeding program, if continued, may permit opening the reservoir to fishing on a regularly scheduled basis in the future.



Pole fishing or casting from the rocky shore is a popular sport throughout Hawaii.

Wildlife Research

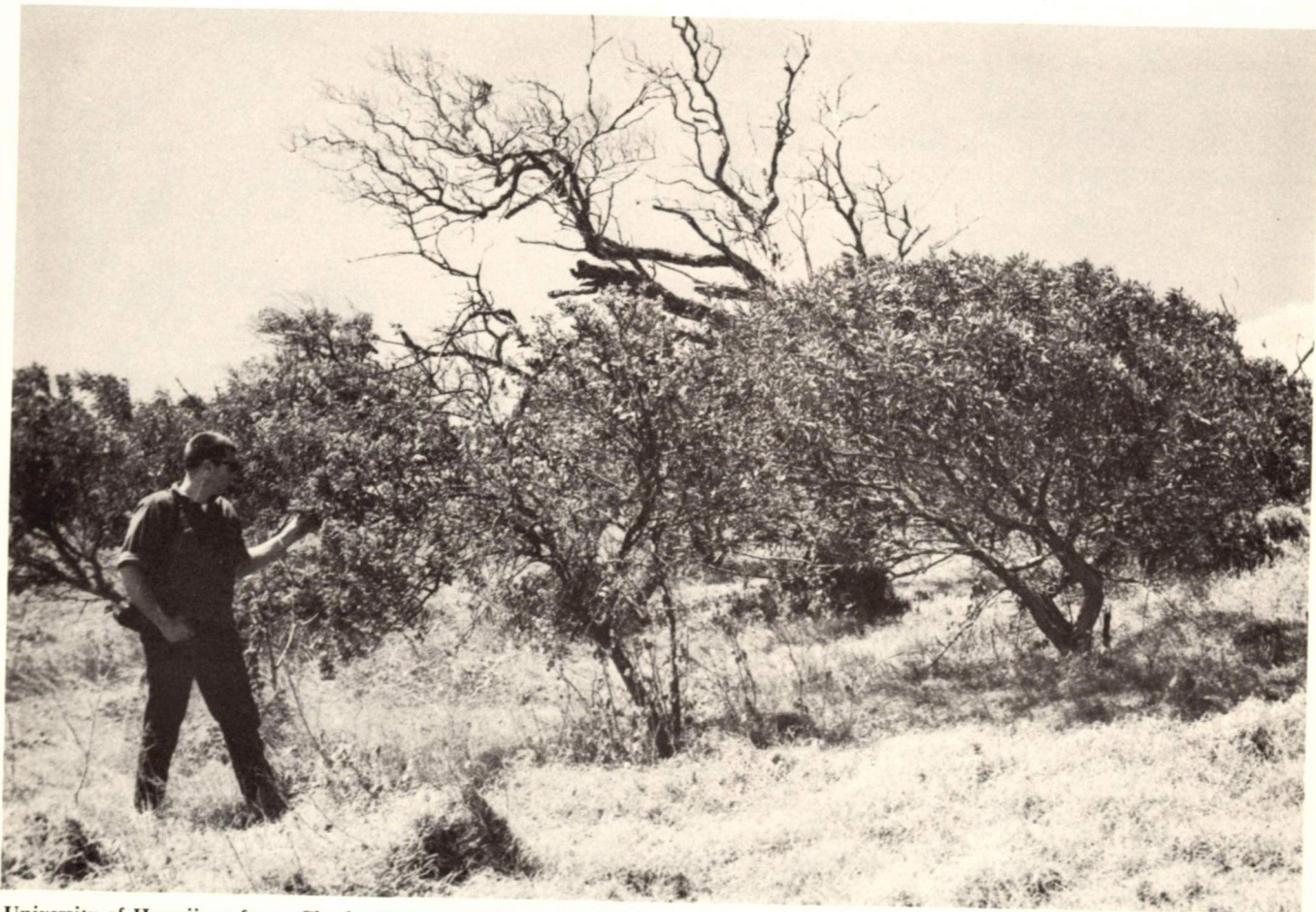
A study of the ecology of the blacktail deer on Kauai was continued during the year, with emphasis on developing an accurate census technique and food habit analysis. Some time was spent in perfecting the "Vibratector", a remote automatic camera device used to collect data on herd composition and distribution. Fawn production appeared to be good for the year, and it was estimated that there were approximately 400 deer on Kauai. With the exception of one deer reported ten miles from the release site no appreciable expansion of the range of this species was noted. Herd density was relatively low and the food supply ample. Analysis of stomach contents of two deer examined during the hunting season indicated that these deer were feeding extensively on mushrooms, guava fruit, and passion vines.

The feral sheep population on Mauna Kea was monitored to determine total numbers and distribution in the game management area. A target of 1,500 feral sheep in this game management area has been established as a management objective. An aerial count of the area before the August-September sheep season provided a population index of 2,333 sheep by

actual count. As clouds obscured some areas during the survey, it is estimated that the population is closer to 2,500 sheep. The excessive browsing of these game animals is causing damage to the mamani forests in the area.

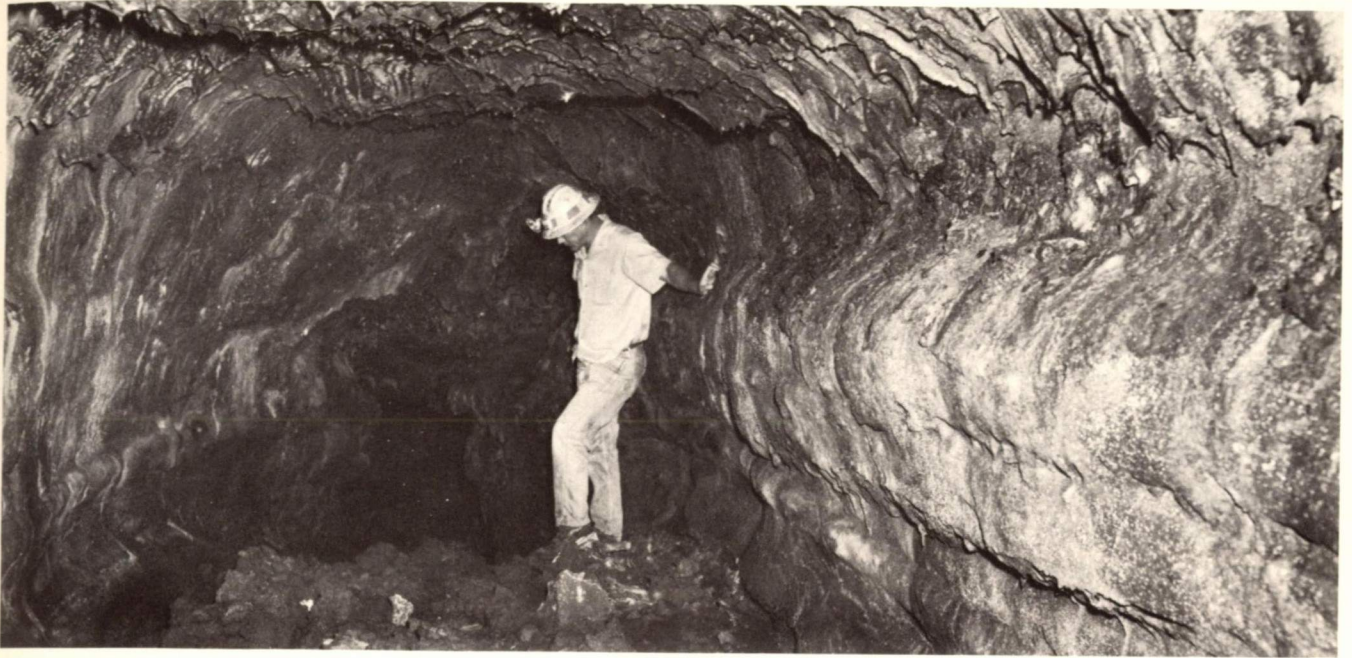
The decline of the high elevation mamani forests on Mauna Kea has been in progress for many years. While the problem was recognized early, it was not until 1970 that funds were made available to study the situation and to work towards acceptable solutions. Following an on-the-ground inspection of representative areas of the mamani forest, State and Federal foresters and game managers exchanged information and recommendations which have been incorporated in a problem analysis entitled, "Decline of Natural Vegetation and Rehabilitation Prospects in the Mauna Kea Forest Reserve-Game Management Area". This analysis outlines research studies which will be conducted during the three-year period, 1971-1973.

Restoration of the mamani forests is related to the environmental protection program, as well as to supporting a favorable habitat for wildlife. The mamani forests on Mauna Kea are also important as habitat for the rare and endangered *palila* bird.



University of Hawaii professor Charles Lamoureux inspecting sandalwood and koai'a growth in State Tree Sanctuary on slope of Kohala Mountains.

SECTION V PROGRAMS FOR PUBLIC SAFETY



A lava tube for disposal of storm waters at Kainaliu, Kona.—Photo by USDA-SCS

Specific concern for the overall safety and comfort of the public is inherent in all of the programs of the State, including those of the Department. This is particularly true of those programs in which the public is involved in active participation in outdoor recreation on lands owned or controlled by the State. In these programs however, the safety of the public, while of great significance, is secondary to the primary thrust of the programs, which may in fact be directed to such major program areas as Economic Development, Protection of the Environment, and Leisure Time activities.

There is but one program within the Department in which the basic thrust of the program is directed to the Public Safety, and this program covers flood prevention and control.

Flood Prevention and Control

The Department is continually developing, modifying and maintaining a General Flood Control Plan for the entire State of Hawaii. Further, it coordinates the planning and development activities of the many Federal, State and County agencies, and private organizations and individuals concerned in any way with flood problems.

The General Flood Control Plan promotes two basic methods or elements for minimizing loss of life and property damage from destructive floods. The first method involves measures to control land uses and developments within potential or actual flood hazard areas. This regulatory program depends essentially on establishing and enforcing effective county zoning and building ordinances, which will

control or prevent costly residential, industrial or hotel-resort developments in lands subject to floods. Additionally, individuals who now reside in hazardous flood plains are being encouraged to purchase flood insurance as a partial protection against catastrophic economic loss caused by flood damage. Such federally supported flood insurance is now available for all communities in Hawaii, and may be purchased from any licensed property or casualty insurance agent.

The second method actively pursued involves measures for control of the destructive flood waters through the reduction of the speed and intensity of floodwater runoffs, and by channeling such waters. Various Federal and State agencies including the Soil Conservation Service and the U.H. Extension Service, are directly involved in restoration of vegetation and groundcover to eroded lands; and in extending forest plantings for conservation of water. Construction of farm ponds and reservoirs in farmlands and pastures also aids in reduction of runoffs. Development of flood control dams, spillways, and channels is primarily a function of Federal and County agencies, although coordinated by the Department.

Basic Flood Information

The Department maintains a complete file on reports of floods and flood damage in the State of Hawaii. These files incorporate news media reports and field survey reports prepared by Department personnel and by other agencies, including the State and County Civil Defense Departments, the U.S. Corps of Engineers, the U.S. Soil Conservation Service, the Federal Small Business Administration, the



Flood control channel at Waianae, Oahu, constructed as a joint project of the City and County of Honolulu and the USDA Soil Conservation Service and coordinated by the Department.—Photo by USDA-SCS.

U.S. Bureau of Public Roads, the American Red Cross, and the State and County transportation, public works, and water service agencies. During and following major storms or tsunamis, the Department coordinates the data collection efforts of all agencies, and publishes post-flood reports on storm conditions and flood losses. All information collected is evaluated by Department staff, and is ultimately utilized for planning, and in justification of proposed flood control projects.

A network of flood stations on rivers and streams throughout the State is maintained cooperatively with the U.S. Geological Survey. Flood data collected from these stations are analyzed and published annually by the Department. This information is essential, and is made available to all agencies for planning and design of flood control and drainage facilities. These, and other Department reports on Flood Control, are listed in the Appendix.

Flood Plain Mapping

Maps which delineate the limits of potential flooding are essential to planners, engineers, land developers, and landowners in making prudent use of flood hazard areas. This basic information also enables the counties to adopt and implement regulations which permit only those uses which are compatible with the flood hazards. By defining the extent of flooding and the floodwater depth and velocity, these maps also assist insurance companies in establishing flood insurance premium rates. Through cooperative action of the Department and the U.S. Corps of Engineers, flood plain maps were completed for Wailupe Stream on the island of Oahu. Work is now in progress for preparation of maps for the Kalihi, Makaha, Moanalua, and Waimea Streams on the island of Oahu.

Flood Control Projects

The Department coordinates the construction of flood control projects in the State including those major flood control projects constructed by the U.S. Corps of Engineers, under the authority of Section 205 of the Flood Control Act of 1948 and the U.S. Soil Conservation Service under the provisions of Public Law 566.

During the year, the Corps of Engineers completed the Kulioou Stream Flood Control Project, and currently are in research and planning phases or projects for Iao Stream and Kahoma Stream on the Island of Maui, Kalihi Stream, and Palolo-Manoa and Kaneohe-Kailua projects on the Island of Oahu; Waipio Stream-Hamakua-Kohala coast project on the Island of Hawaii; and the Wailua River project on Kauai.

The Soil Conservation Service sponsored program includes projects under construction at Waianae on the Island of Oahu, which will provide protection to a number of small communities on the lee shore of the Island. A unique feature of this project is an outlet structure at the Ulehawa Stream Channel mouth, which normally blocks the stream, which opens before the peak crest of the flood hits. Also in progress is a project in Kona, Hawaii which will protect the Kainaliu and Kailua communities. In Kainaliu, flood waters will be diverted into huge lava tubes. Other flood control projects are in early planning stages throughout the State.

The Department completed construction of a masonry lined ditch near the corner of Pensacola and Prospect Streets in Honolulu, which will reduce periodic flooding in the area.

SECTION VI PROGRAMS FOR GOVERNMENT-WIDE SUPPORT

These programs conducted by the Department relate generally with others concerned with the natural resources of the State, and most specifically with functions of resource management. However these programs are either so broad in their application, as with the land acquisition and disposition activities; or so remotely related as the recordation of land documents; as to be somewhat incompatible with the more specific major program categories and are thus allocated to this more general program category of Government-wide Support.

PUBLIC LAND MANAGEMENT

The public land management program of the Department is concerned principally with the State-owned lands classified as Public Lands, and also with State-owned lands designated by the Land Use Commission in the Conservation District. By statutory definition, the Public Lands consist of all State-owned lands including submerged lands, except those lands in the Forest Reserves, the Hawaiian Home Lands, and lands set aside to Federal, State and Local government agencies under Executive Orders and Proclamations of the President of the United States and the Governor of Hawaii. The Public Lands are available for sale, lease, license, revocable permit or for public use, and as such are disposed by the Board of Land and Natural Resources to meet approved needs.

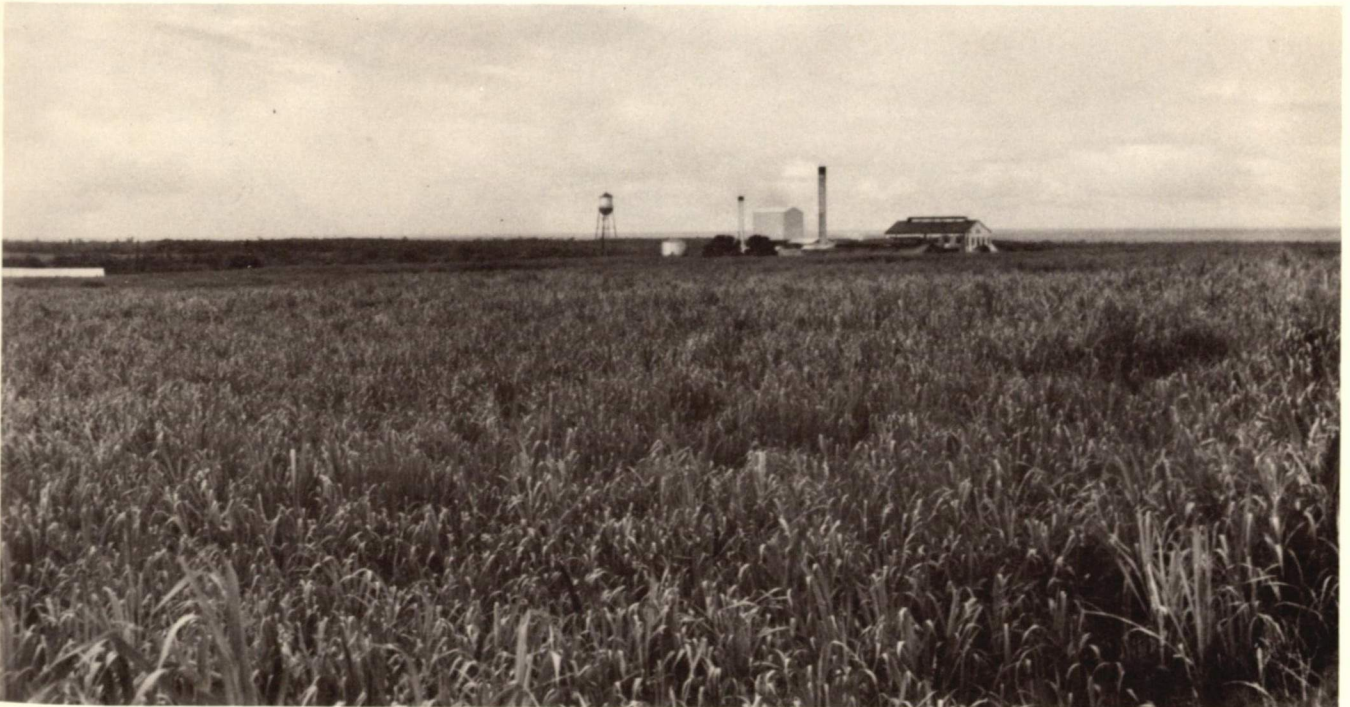
State Owned Lands

	Acres
Hawaiian Home Lands	192,000
Forest Reserves	802,052
State Parks and Historic Sites	15,584
Public Use (Executive Orders only)	239,522
Public Lands (Sec 171:2, HRS)	507,060
TOTAL	1,756,218

Land Acquisition

The Department maintains a program for acquisition of land and facilities for public purposes. This activity provides lands for programs and projects carried out by other units of the Department, and in addition services the needs of other agencies of the State, and occasionally the needs of the county governments.

During the past fiscal year, the Department completed acquisition on a total of seventeen parcels of property consisting of 216 acres in all, at a cost in excess of \$4.4 million. A total of 136 acquisition proceedings were in progress during the period, with forty of them being new acquisition requests received from other agencies during the year. Two of the most important land acquisitions completed during the year were for the State Department of Transportation: 143 acres for expansion of Kahului Airport on Maui, at a cost of \$271,000; and forty acres for expansion of Lihue Airport on Kauai, at a cost of \$42,000.



54,000 acres of Public Lands are leased for sugar cane production.



Chairman Sunao Kido pulls the first number in a public drawing for residential houselots—Hilo, Hawaii.—*Photo by Larry Kadooka.*



A view of a portion of increment one of Honolulu food distribution center, which will soon accommodate a major fresh fruit and produce facility.

Land Acquisitions

Agency	Number	Area (acres)	Value
Department of Education		19.0390	\$ 461,040
Department of Accounting and General Services		4.2970	3,596,901
Department of Transportation ...		183.5833	281,908
Hawaii Housing Authority3030	6,295
Department of Land and Natural Resources		5.8380	149,539
		<u>213.0600</u>	<u>4,495,612</u>

Land Dispositions

Out of the Public Lands of the State, the Department provides land for residential subdivisions, for industrial and resort-hotel developments, for water development, for recreation, and innumerable other activities. Generally, land required for government or public purposes is disposed by Executive Order of the Governor, following recommendation of the Board of Land and Natural Resources. Lands for residential subdivisions are generally disposed through sales at auction either in fee, or by conditional Agreement of Sale. Lands made available for agriculture, pasturage, industrial and hotel resort use generally are disposed through long-term lease sold at public auction. Short-term use of lands for many purposes is frequently disposed through revocable permit, or by special license.

During the 1970-1971 fiscal year, the Department completed disposition of 13,996 acres of land in 333 transaction. Sales of land produced a one-time return of approximately \$801,000.00. The sale of leases and permits will generate direct revenues of approximately \$600,000 per year.

Land Dispositions*

	Acreage	Value
Executive Orders	9,762	***
Sales in Fee	46	\$800,753
New Leases	1,953	64,957/year
Revocable Permits	2,235	544,511/year

NOTE: *Detailed listings are contained in the Appendix.

***Executive Orders are set aside with no charge.

Land Management

The Department is responsible for active management of approximately 500,000 acres of Public Lands, and for administrative review of the use and status of some 240,000 acres of State lands assigned by Executive Order and Presidential Proclamation to various Federal State and County agencies for public uses. These lands do not include areas assigned to the Forest Reserves and Watershed Reserves, which are managed under differing program areas.

On June 30, 1971, the Department had an active listing of 919 leases and permits covering control of a total of 445,176 acres of Public Lands. Land uses under these leases include such activities as agricultural production, pasturage, business and industry, hotel-resort, as well as some governmental activities. Annual rentals from these leases and from revocable permits, and other land-use revenues developed in the program reached a total of \$5,154,000 for the year.

Public Land Uses

	Acres
Total Public Lands	<u>507,060</u>
Special Sale Agreements	52
Residential Leases	134
Agriculture (inc. pasture, cane, pineapple)	360,471
Business and Industrial	757
Public Uses	53,685
Miscellaneous Other Uses	30,129
Certificates of Occupation & 999 Year Homestead Leases	136
Right-of-Purchase Leases	112
Fee Homesteads (conditional sales)	672
Permits and Licenses, etc.	39,000
Unencumbered Public Land	21,912

Department personnel made a total of 1,876 inspections of public land parcels to determine if terms and conditions of contracts were being met; to detect soil erosion and noxious plant growth problems; to determine if lands are being unlawfully used through squatting and dumping; and to make recommendations for present and future use and management of the Public Lands.

Housing

An unusual activity of the Department's land management program during the year was our involvement in the Governor's Housing Program, principally through providing State Lands for this program.

A number of parcels of public land were transferred to the Hawaii Housing Authority for development of homesites. The twenty-five acre Hohouli Subdivision in Hilo, Hawaii already has a number of completed homes, as has the Wahikuli Terrace Subdivision in Lahaina, Maui, and Waianae Kai on the Island of Oahu is also being transferred to the Authority for homesite developments. It is expected that several hundred homes for the lower income group will be the result.

Funds were appropriated to the Department during the 1970 Legislative Session to support special low-cost housing developments utilizing available public lands. In conjunction with the land development activities of the Department, a total of 77 houselots were



Waimanalo Core Development, Stage 1-A, a 153-lot residential subdivision started in 1965, and intended for expansion.



Mrs. Janice Horimoto compares the size of the old libers (right) with the newer reduced copy libers used with the Recordak Process.

developed and sold in Hilo, Hawaii. In accordance with the specific provisions of ACT 105, Session Laws of 1970, these houselots were disposed by a public drawing rather than by the customary public auction procedures. Applicants for the drawings were required to satisfy statutory limitations of income and previous residential ownership in order to qualify for participation in the drawings. Similar public drawings. Similar public drawings for sale of houselots are anticipated as other residential subdivisions are completed by the Department.

CONVEYANCES AND RECORDING

The Conveyances and Recording program of the Department is mandated by and largely guided by specific statutes, and is conducted primarily to protect the equity interests of individuals and organizations, both within and without the State, in land ownership and in the documentation and transfer of land title. The Department is the sole agency within the State authorized to carry out this important function, and this limitation has greatly contributed to elimination of error and confusion in land recordation throughout the State.

During the past year, the Department received and processed a total of more than 72,800 documents for regular registration, an increase of 8,000 or approximately 12 percent more than in the previous year. During the same period, a total of 38,900 Land Court documents were processed and registered, and almost 7,900 Land Court Certificates of Title prepared and issued. This represented an increase of 12,531 Land Court documents handled, or roughly 37 percent more than during the previous year. In all, the increase in all land conveyance and registration activities amounted to more than 20 percent over the 1969-1970 fiscal year.

The Department also registered a total of 20,116 documents under the provisions of the Hawaii State Uniform Commercial Code, a modest increase of about nine percent over the previous period. ACT 15 of the Session Laws of Hawaii 1970, had clarified certain provisions of the existing statutes, and had clearly established the Department as the proper place to record documents perfecting security interests in personal property. In addition to the new registrations, the Department also processed a total

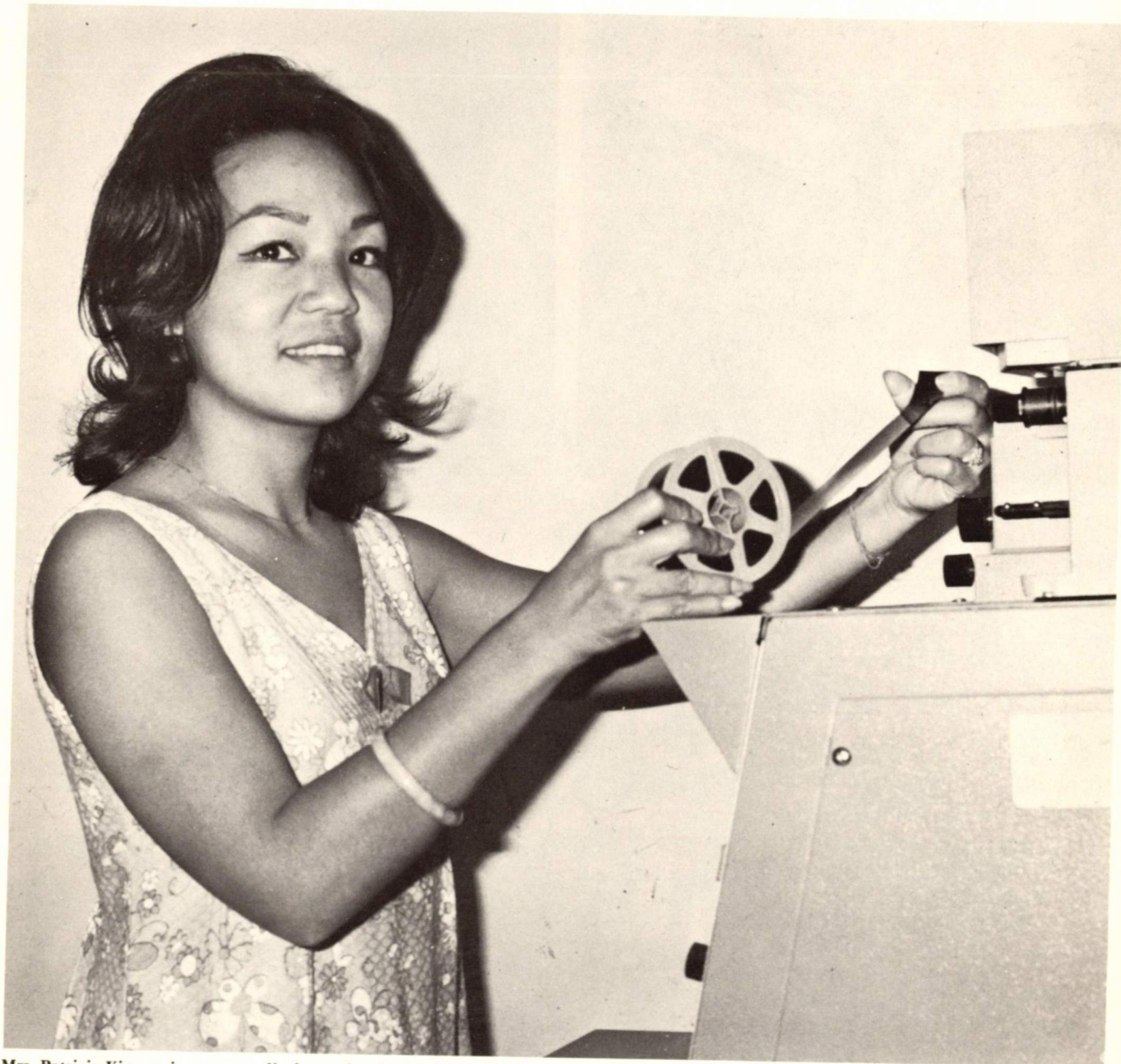
of 831 searches of Uniform Code documents already registered and filed.

Service fees collected by the Department during the period amounted to \$558,739, while disbursements for conveyance and recording activities during the same period were \$420,000. This activity has for many years operated at a net profit to the State.

The Department, as a convenient service for the State Department of Taxation and the public, collected and transferred to that department a total of \$484,000 in Conveyance Tax, an increase of approximately \$73,000 over the previous year. The

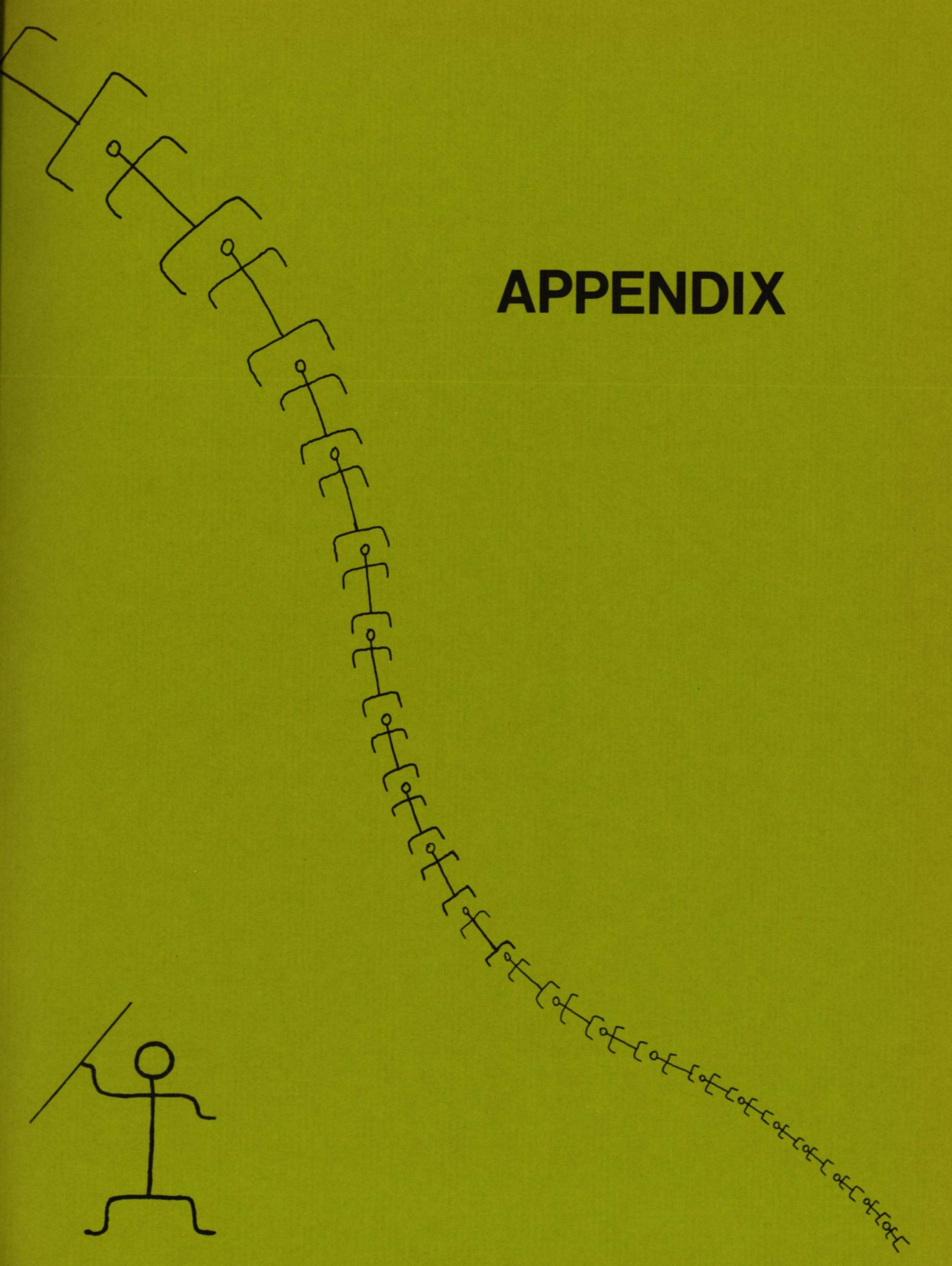
total value of real property transferred and registered with the Department exceeded \$1 billion.

The Department completed security microfilming of all of the early record books which were accumulated prior to the acquisition and use of microfilm equipment. Thus, for the first time in the history of this operation, all books are recorded on film, and security copies of the films are on deposit with the State Archives. Efforts are continuing to microfilm all of the Regular Registration Indexes, and all Land Court Documents. Security copies of these microfilms, as completed, are also deposited with the State Archives for maximum protection.



Mrs. Patricia Kimura inspects a roll of completed microfilm of recorded documents. This process not only allows rapid reproduction of documents, but also improves security of the system by allowing duplicate copies of films to be deposited at the State Archives for security purposes.

APPENDIX



PERSONNEL DIVISION

Table 1. SUMMARY OF PERSONNEL TRANSACTIONS—July 1, 1970 to June 30, 1971

Accessions	141	Other Personnel Actions	251
New Hire— Permanent	41	(Excludes increment and pay adjustments; conversion from probational to permanent status.)	
Inter-agency Transfer	9	Promotion	11
New Hire— Limited Term Appointment	14	Voluntary Demotion	1
Temporary Appt. Outside List	3	Reallocation	31
Emergency	67	Reclassification	41
Provisional	4	Change in Title	2
Exempt	3	Limited Term Promotion	38
Separations	48	Temporary Assignment	23
Resignation and Transfer (Permanent employees)	34	Intra-agency Transfer	27
Resignation and Termination (Temporary Services)	12	Extension Limited Term Appointment	—
Retirement	2	Extension Exempt Appointment	1
		Limited Term Appt. to Permanent Appt.	1
		Leave Without Pay (Maternity)	10
		Leave Without Pay (Others)	25
		Extension Leave Without Pay	—
		Name Change	2
		Correction	32
		Hazard Pay Differential	2
		Extension of Probational Appt.	4

Table 2. FULL-TIME PERSONNEL EMPLOYED BY THE DEPARTMENT, BY DIVISIONS AND ISLANDS, AS OF JUNE 30, 1971

Divisions	June 30, 1971						Total
	June 30, 1970	Hawaii	Oahu	Kauai	Maui	Molokai Lanai	
Administration and Staff Offices	25	1	25	1	—	—	27
Conveyances	42	—	42	—	—	—	42
Fish & Game	66	16	37	5	5	5	68
Forestry	88	34	21	19	13	4	91
Land Management	29	2	23	2	2	—	29
State Parks, Outdoor Recreation and Historic Sites	91	21	38	30	10	—	99
Water & Land Development	50	4	42	1	—	3	50
Total	391	78	228	58	30	12	406

BUREAU OF CONVEYANCES

Table 1. NUMBER OF DEEDS FILED AND RECORDED, APPROXIMATE VALUE OF LAND CONVEYED AND TOTAL FILING AND RECORDING FEES RECEIVED BY THE BUREAU OF CONVEYANCES FROM 1961-1971

Fiscal Year	Number of Deeds Filed and Recorded	Approx. Value of Land Conveyed	Total Filing and Recording Fees Received
1961-62	9,045	\$109,942,500.00	\$276,640.40
1962-63	11,061	101,987,000.00	314,485.90
1963-64	11,680	102,232,000.00	357,938.40
1964-65	12,175	101,482,100.00	408,619.55
1965-66	12,799	133,301,000.00	412,919.30
1966-67	11,643	218,966,000.00	341,266.65
1967-68	13,615	528,972,370.00	344,247.30
1968-69	14,683	809,639,656.00	386,887.25
1969-70	14,876	822,665,446.00	398,025.75
1970-71	16,036	969,486,762.00	465,205.75

Table 2. DOCUMENTS RECORDED AND FILED AND LAND COURT CERTIFICATES OF TITLE ISSUED BY THE BUREAU OF CONVEYANCES FROM 1961-1971

Fiscal Year	Documents Recorded and Filed			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1961-62	\$52,013	\$35,416	\$16,597	\$3,524
1962-63	58,803	40,211	18,592	4,619
1963-64	67,004	42,273	24,731	5,884
1964-65	76,033	47,190	28,843	5,698
1965-66	77,011	46,640	30,371	6,000
1966-67	67,690	42,834	24,856	5,549
1967-68	84,922	56,864	28,058	6,006
1968-69	90,502	61,095	29,407	6,146
1969-70	92,638	64,838	27,800	6,437
1970-71	111,737	72,842	38,895	7,873

Table 3. RECEIPTS AND DISBURSEMENTS OF THE BUREAU OF CONVEYANCES FROM 1961 to 1971.

Fiscal Year Ending June 30	RECEIPTS			DISBURSEMENTS		
	Total	Regular System	Land Court System	Total	Regular System	Land Court System
1961-62	279,283.70	202,179.05	77,104.65	241,078.16	147,697.94	93,380.22
1962-63	317,092.90	226,325.50	90,767.40	257,510.97	155,804.07	101,706.90
1963-64	360,775.00	241,327.70	119,447.30	236,623.99	149,042.46	87,581.53
1964-65	412,761.75	285,556.95	127,204.80	208,090.75	109,908.77	98,181.98
1965-66	417,023.20	282,555.30	134,467.90	244,667.91	133,111.94	111,555.97
1966-67	346,800.75	225,594.85	121,205.90	317,808.00	168,438.24	149,369.76
1967-68	410,961.30	282,399.70	128,561.60	331,976.00	173,554.00	158,422.00
1968-69	459,689.30	326,575.55	133,113.75	339,068.04	186,487.42	152,580.62
1969-70	473,759.05	342,879.30	130,879.75	377,681.00	207,724.55	169,956.45
1970-71	558,738.40	374,530.85	184,207.55	420,067.59	273,674.07	146,393.52
10 yr. Total	4,036,885.35	2,789,924.75	1,246,960.60	2,974,572.41	1,705,443.46	1,269,128.95

Table 4. VALUE OF PROPERTY TRANSFER IN THE STATE OF HAWAII, BY COUNTIES, 1961-1971¹

Year ²	MAUI		HONOLULU		HAWAII		KAUAI		State of Hawaii
	% of State	Amount	% of State	Amount	% of State	Amount	% of State	Amount	
1970-71	6.48	62,795,784	80.25	778,023,602	10.95	106,147,375	2.32	22,520,001	969,486,762
1969-70	9.86	81,144,955	72.55	596,804,446	14.20	116,747,734	0.33	27,968,311	822,665,446
1968-69	8.64	70,002,720	77.43	626,956,508	11.13	90,146,136	2.73	22,534,292	809,639,656
1967-68	5.89	31,161,313	79.35	419,762,778	12.58	66,555,325	2.17	11,492,954	528,972,370
1966-67	4.94	10,825,300	83.26	182,315,500	8.44	18,469,200	3.36	7,356,000	218,966,000
1965-66	6.13	8,173,500	81.38	108,486,500	9.77	13,029,500	2.71	3,611,500	133,301,000
1964-65	5.56	5,647,000	78.93	80,103,200	12.54	12,722,400	2.97	3,009,500	101,482,100
1963-64	7.63	7,802,500	83.37	85,231,235	7.75	7,923,200	1.25	1,275,100	102,240,035
1962-63	3.50	3,569,500	81.00	82,604,000	14.21	14,494,000	1.29	1,319,500	101,987,000
1961-62	2.46	2,719,500	87.96	97,231,500	8.55	9,452,000	1.03	1,139,500	110,542,500

¹ Includes fee simple and leasehold sales of property. Does not include bequests, gifts, etc.

² Fiscal year ending June 30.

Source: State of Hawaii, Department of Land and Natural Resources, Division of Conveyances

Report prepared by: Economic Research Center, University of Hawaii

DIVISION OF FISH AND GAME

Table 1. FRESHWATER GAME FISHING LICENSE AND HUNTING LICENSE STATISTICS 1958-59 to 1970-71

Years Ending June 30	Freshwater Game Fishing		Hunting	
	Number Issued	Collections (dollars)	Number Issued	Collections (dollars)
1958-1959	2,383	\$ 4,885.61	5,222	\$25,094.23
1959-1960	1,682	3,638.23	5,290	25,564.25
1960-1961	3,014	6,339.94	6,214	30,202.25
1961-1962	4,209	8,824.01	6,924	33,897.72
1962-1963	4,264	8,983.57	7,095	34,441.65
1963-1964	5,269	11,225.75	7,766	38,180.00
1964-1965	4,357	9,385.87	7,613	37,228.57
1965-1966	3,743	11,932.48	6,903	50,275.13
1966-1967	3,424	10,866.75	7,142	52,786.70
1967-1968	3,867	12,840.29	8,510	61,131.03
1968-1969	3,798	12,050.56	8,629	62,044.86
1969-1970	5,070	16,128.81	9,773	70,386.89
1970-1971	5,551	17,550.71	10,302	75,109.30

Table 2. COMMERCIAL FISHING LICENSES AND PERMITS 1970-71

Kind of License and Permits	Number	Collections (dollars)
Commercial Fishing—Resident	1,343	\$13,430.00
Commercial Fishing—Non-Resident	30	600.00
Power Boat Permit	705	4,614.50
Row Boat and Sail Boat Permit	33	33.00
Boat Plates (pair)	248	331.75
Mullet License	88	315.00
Lobster License	2	6.00
Commercial Bait Permit	54	54.00
Duplicate Commercial Fishing License	8	4.00
TOTAL	2,511	\$19,388.25

Table 3. COLLECTIONS—ALL SOURCES: 1964-65 to 1970-71

Year ending June 30	All Collections	Commercial Fishing	Freshwater Game Fishing	Hunting	Miscellaneous Licenses, Permits, and Other Income
1970-1971	\$113,611.51	\$19,388.25	\$17,550.71	\$75,109.30	\$1,563.25
1969-1970	105,327.60	17,690.40	16,128.81	70,386.89	1,121.50
1968-1969	89,157.92	14,532.50	12,050.56	62,044.86	530.00
1967-1968	85,789.02	11,052.20	12,840.29	61,131.03	765.50
1966-1967	76,555.94	11,310.65	10,866.75	52,786.70	1,591.84
1965-1966	78,735.43	9,937.00	11,932.48	50,275.13	6,590.82
1964-1965	60,903.57	10,078.00	9,385.87	37,228.57	4,211.13

Table 4. FRESHWATER GAME FISHING LICENSE: 1970-71

Type	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	13	\$46.87	2	\$7.50	3,950	\$14,090.59	396	\$1,420.94	4,361	\$15,565.90
Non-Resident					17	121.48	6	43.49	23	164.97
Juvenile	1	1.50			943	1,346.28	100	142.86	1,044	1,490.64
Tourist					64	228.36	23	83.62	87	311.98
Duplicate					34	16.24	2	.98	36	17.22
TOTAL	14	\$48.37	2	\$7.50	5,008	\$15,802.95	527	\$1,691.89	5,551	\$17,550.71

Table 5. HUNTING LICENSES: 1970-71

Type	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	2,584	\$19,821.57	2,185	\$15,684.65	3,813	\$27,351.16	1,104	\$7,928.66	9,686	\$70,786.04
Non-Resident	199	2,846.25	45	646.50	37	541.50	9	129.00	290	4,163.25
Duplicate	82	41.00	139	68.56	75	35.96	30	14.49	326	160.01
TOTAL	2,865	\$22,708.82	2,369	\$16,399.71	3,925	\$27,928.62	1,143	\$8,072.15	10,302	\$75,109.30

Table 6. MISCELLANEOUS GAME LICENSES, SALES, DONATIONS AND RENTAL: 1970-71

	Amount (dollars)
Game Bird Farm License	65 \$ 65.00
Sale of Publication "Game Birds in Hawaii"	106 58.75
Sale of Confiscated Legal Hunting Gear	9 455.00
Sale of Confiscated Fishing Gear	9 52.50
Sale of Fish (Oysters)	1 30.00
Donation	— —
Rental of Hunting Cabins—Hawaii	75 902.00
Total	265 \$1,563.25

Table 7. MISCELLANEOUS PERMITS (NO CHARGE) 1970-71

Type	Number
Permit to Destroy Birds or Mammals	14
Scientific Collecting Permit	23
Field Trial Permit	7
Permit for Entry on Bird Sanctuaries	81
Aquarium Fish Permit	200
Permit to Keep Birds in Captivity	3
Group Permit	1
Other Permits	3
Total	332

Table 8. FEDERAL AID FUNDS 1970-71

Type	Amount (dollars)
Pittman-Robertson Federal Aid in Wildlife Restoration Fund	\$131,553.97
Dingell-Johnson Federal Aid in Fish Restoration Fund	102,923.24
Nene Restoration Project Fund	25,020.03
Hawaiian Islands National Wildlife Refuge Fund	—
Commercial Fisheries Research & Development (P.L. 88-309) Fund	34,065.35
Total	\$293,562.59

Table 9. COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII—FISCAL YEAR JULY, 1970 TO JUNE, 1971

Sea Catch by Species

Species	Pounds	Value	Species	Pounds	Value
Aku (Skipjack)	11,449,345	\$2,309,990	Pualu	8,677	\$ 1,933
Ahi (Yellowfin)	773,314	504,557	Puhi (eel)	6,455	434
Ahipalaha (Albacore)	20,590	9,878	Puhi (white eel)	702	117
Ahi (Bigeye)	377,839	438,105	Uhu	5,869	2,254
Kawakawa	21,859	5,295	Ukikiki (Gindai)	1,741	1,448
Stripe Marlin	238,271	153,883	Uouoa	146	70
Pacific Blue Marlin*	240,888	79,952	Uu (Menpachi)	24,051	17,672
Black Marlin**	3,639	2,221	Weke	31,054	12,718
Broadbill	5,500	1,554	Malu	282	186
A'u lepe (Sailfish)	3,028	591	Crab (Papai-Misc.)	5,713	2,915
Mahimahi	76,596	54,780	Crab (Kona)	43,576	56,902
Ono	39,442	11,615	Crab (Kuahonu)	42,630	49,981
Hapuupuu	46,239	32,435	Crab (Moala)	136	46
Kahala	77,807	32,854	Crab (Samoan)	12	17
Kalekale	4,752	5,242	Opae (Shrimp)	3,076	3,811
Omilu	2,912	2,349	Ula (Lobster)	6,818	8,836
Opakapaka	63,132	50,174	Ulapapapa	182	172
Uku	49,859	27,874	Hee (Octopus)	6,969	4,945
Ulaula (Ehu)	19,401	24,662	Muhee (True Squid)	5,874	3,250
Ulaula Koae (Onaga)	39,744	61,143	Opihi (Limpet)	17,229	17,084
Ulua	64,922	35,232	Honu (Turtle)	19,441	7,266
Weke-ula	12,673	11,728	Misc.	99,656	34,772
Aawa	1,383	212	TOTAL	15,159,262	\$4,624,112
Aholehole	3,250	2,693			
Akule	608,472	236,555			
Hahalalu	237,213	103,541			
Amaama (Mullet)	18,073	20,860			
Awa	11,278	3,187			
Aweoweo	1,899	918			
Humuhumu (Hage)	1,582	612			
Kaku (Barracuda)	4,436	1,130			
Kala	19,910	3,621			
Kawealea	4,031	2,099			
Kumu	7,205	10,112			
Laenihi (Nabeta)	2,001	1,516			
Lehi	1,806	972			
Maomao (Mamo)	1,028	499			
Manini	8,523	5,620			
Moano	12,596	9,284			
Moi	6,643	6,447			
Moelua	3,608	2,383			
Nenue	4,187	1,844			
Noho (Hogo)	1,576	1,199			
Oio	19,132	4,703			
Opelu	200,924	117,115			
Palani	16,465	4,047			

Pond Catch by Species

Species	Pounds	Value
Ulua	239	\$ 193
Aholehole	187	115
Amaama (Mullet)	1,231	1,425
Awa	8,804	4,409
Awaawa	115	41
Kaku	774	656
Moi	5	2
Oio	2,975	1,151
Crab (Kuahonu)	1,398	1,163
Crab (Moala)	274	115
Crab (Samoan)	199	168
Misc.	1,062	327
TOTAL	17,263	\$ 9,765
GRAND TOTAL	15,176,525	\$4,633,877

Makaira ampla* (Called black marlin by Haw'n. Fish & Game Div. prior to July, 1962)*Istiompax marlina* (Called silver marlin by Haw'n. Fish & Game Div. prior to July, 1962)

Table 10. COMMERCIAL FISH LANDINGS BY ISLAND, STATE OF HAWAII
Fiscal Year—July, 1970 through June, 1971

Island	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Hawaii	1,143,662	\$ 437,241	304	\$ 348	1,143,966	\$ 437,589
Maui	1,161,475	229,905	—	—	1,161,475	229,905
Lanai	6,179	2,897	—	—	6,179	2,897
Molokai	8,956	4,063	672	303	9,628	4,366
Oahu	12,479,582	3,817,331	16,287	9,114	12,495,869	3,826,445
Kauai	359,408	132,675	—	—	359,408	132,675
TOTAL	15,159,262	4,624,112	17,263	9,765	15,176,525	4,633,877

Table 11. COMMERCIAL FISH LANDINGS BY MONTH, STATE OF HAWAII
Fiscal Year—July, 1970 through June, 1971

Month	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
1970						
July	1,670,743	\$ 426,163	1,073	\$ 592	1,671,816	\$ 426,755
August	1,281,451	349,560	1,899	1,085	1,283,350	350,645
September	1,304,434	381,839	2,046	1,164	1,306,480	383,003
October	1,108,234	333,044	1,601	824	1,109,835	333,868
November	1,065,447	365,716	904	544	1,066,351	366,260
December	713,695	405,243	1,464	780	715,159	406,023
1971						
January	450,479	221,569	1,797	1,340	452,276	222,909
February	716,295	283,273	1,386	723	717,681	283,996
March	362,508	252,322	1,011	568	363,519	252,890
April	799,328	352,476	1,319	720	800,647	353,196
May	2,343,001	564,830	1,004	533	2,344,005	565,363
June	3,343,647	688,077	1,759	892	3,345,406	688,969
TOTAL	15,159,262	\$4,624,112	17,263	\$9,765	15,176,525	\$4,633,877

Table 12. FISHING AND HUNTING VIOLATIONS 1970-71

Type of Violation	Number	Type of Violation	Number
FISHING VIOLATIONS		HUNTING VIOLATIONS	
Fishing with illegal mesh/throw net	58	Hunting without license	12
Taking and possession of lobster with spear, below legal weight, during closed season and while with eggs	89	Failure to check in at hunter checking station	12
Taking oysters during the closed season	25	Hunting game birds and game mammals during the closed season	3
Taking and possession of sea mullet during the closed season	38	Hunting and discharging firearms in a safety zone	4
Possession of octopus below the legal weight	16	Hunting game mammals in game management areas without wearing bright orange colored garment	23
Fishing in marine life conservation district	15	Hunting in prohibited areas at night	9
Unlawful entry and fishing in freshwater fish refuge and public fishing area without permit	23	Hunting and possession of firearms in game management areas without permit	5
Fishing in prohibited zone—public fishing area	6	Hunting in archery area with firearm	3
Exceeding freshwater game fish bag limit	11	Failure to tag game mammal carcass	3
Fishing without freshwater fishing license	35	Possession of Mouflon sheep during the closed season ..	2
Fishing with more than one (1) pole in a public fishing area	2	Failure to display hunting license and transfer of hunting license to another person	3
Taking undersize freshwater game fish	3	Operating vehicle off marked roadway in a game management area	1
Minor fishing in a public fishing area without adult supervision	1	Total Hunting Violations	80
Swimming in a public fishing area	6		
Commercial fishing without license	13		
Sale of Kona crabs below the legal size limit	2	MISCELLANEOUS VIOLATIONS	
Exceeding bag limit (Moi and Oama)	2	Unlawful possession of firearms, pellet gun and submachine gun	4
Taking Fish below the size limit (Papio)	1	Landing upon bird sanctuary island without permit	13
Failure to submit fish dealer's report and commercial fish catch report	2	Total MISCELLANEOUS VIOLATIONS	17
TOTAL FISHING VIOLATIONS	348		

Table 13. ARRESTS AND DISPOSITION

Subject	The State	Hawaii County	Kauai County	Maui County	Honolulu County
Citations	435	77	51	92	215
Arrests	10	—	—	10	—
Number of charges	445	77	51	102	215
Convictions	47	4	16	10	17
Bail forfeitures	101	49	—	20	32
Juvenile court	39	4	3	4	28
Cases pending	196	17	11	50	118
Fines	19	—	11	3	5
Suspended fines	15	—	6	4	5
Suspended sentence	7	3	—	2	2
Split fines (Fines/Suspended Fines)	8	—	—	4	4
Cases Dismissed	13	—	4	5	4

Table 14. INCOME FROM ARRESTS 1970-71

Area	Fines	Bail Forfeitures	Suspended Fines
The State	\$545.00	\$2,040.00	\$765.00
Hawaii County	—	715.00	—
Kauai County	125.00	—	60.00
Maui County	150.00	525.00	250.00
Honolulu County	270.00	800.00	455.00

DIVISION OF FORESTRY

Table 1. FOREST INCOME. FISCAL YEAR 1970-71

Source	Hawaii	Kauai	Maui	Molokai	Oahu	Central Nursery	TOTAL
Nursery Sales	113	221	189	—	—	355	\$ 878
Sale of Forest Products:							
Timber	6,675	20	—	—	—	—	6,695
Tree Ferns	8,305	—	65	—	—	—	8,370
Other ¹	4	840	48	—	40	—	932
Total Non-Federal ²	15,097	1,081	302	—	40	355	16,875
Federal Assistance Programs:							
Clarke-McNary, Sec. 2 (Forest Fire Protection)							60,712
Title IV Reforestation							30,000
Agricultural Conservation							2,500
Cooperative Forest Management							24,784
Total Federal							117,996
GRAND TOTAL							134,871

¹ Numerous items including Ti leaves, ginger root, bamboo, wild tree seedlings, cattle trespass fee for round up, and lava rock.
² Collections are administered by the Division of Land Management. Receipts reported above do not include those from sales of water originating within the forest reserves.

Table 2. REFORESTATION PROGRAM IN FOREST RESERVES, FISCAL YEAR 1971

Island	Activity				
	Planting	Replanting	Weeding	Pruning	Thinning
			(acres)		
Hawaii	527	125	185	70	15
Kauai	154	57	288	34	0
Maui	35	220	85	0	0
Molokai	28	1	0	1	0
Oahu	35	0	6	0	4
State	779	403	564	105	19

Table 3. ACRES AND NUMBERS OF TREES PLANTED BY SPECIES AND FOREST RESERVE. FISCAL YEAR 1971¹

Species	Forest Reserve and Island												Total
	Hamakua (Hawaii)	Olaa (Hawaii)	Upper Waiakea (Hawaii)	Hanalei (Kauai)	Kalepa (Kauai)	Ka Pele (Kauai)	Na Pali Kona (Kauai)	Wailua (Kauai)	Koolau (Maui)	West Maui (Maui)	Molokai (Molokai)	Kuakala (Oahu)	
Australian redcedar	11 (5,041)	118 (39,900)	68 (29,500)	—	—	—	—	—	—	—	—	—	197 (74,441)
<i>Toona ciliata</i> v. <i>aus.</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Blackbutt	—	—	—	—	4 (1,150)	—	—	—	—	—	—	—	4 (1,150)
<i>Eucalyptus pilularis</i>	—	—	—	—	—	—	—	—	—	—	—	—	20 (8,500)
Kamarere	—	—	20 (8,500)	—	—	—	—	—	—	—	—	—	—
<i>Eucalyptus deglupta</i>	—	—	—	—	—	—	—	—	—	—	—	—	16 (4,800)
Norfolk-Island-pine	—	—	—	—	16 (4,800)	—	—	—	—	—	—	—	—
<i>Araucaria columnaris</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Pine, loblolly	—	—	—	—	—	2 (1,000)	—	—	—	—	8 (6,000)	5 (6,200)	15 (13,200)
<i>Pinus taeda</i>	—	—	—	—	—	—	—	—	—	—	—	—	23 (14,150)
Pine, maritime	—	—	—	—	16 (11,000)	3 (2,000)	—	1 (150)	3 (1,000)	—	—	—	—
<i>Pinus pinaster</i>	—	—	—	—	—	—	—	—	—	—	19 (15,000)	30 (21,500)	49 (36,500)
Pine, slash	—	—	—	—	—	—	—	—	—	—	—	—	54 (23,287)
<i>Pinus elliotii</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Queensland-maple	22 (10,717)	22 (7,410)	10 (5,160)	—	—	—	—	—	—	—	—	—	—
<i>Flindersia brayleyana</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Rosegum	—	50 (15,750)	—	20 (6,000)	—	4 (1,550)	—	31 (9,750)	—	—	—	—	105 (33,050)
<i>Eucalyptus grandis</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Saligna	10 (4,400)	65 (22,700)	131 (57,400)	—	—	8 (2,406)	—	15 (4,625)	—	—	32 (6,600)	—	261 (98,131)
<i>Eucalyptus saligna</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Shortleaf ironwood	—	—	—	—	16 (6,650)	—	—	—	—	—	—	—	16 (6,650)
<i>Casuarina equisetifolia</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Tropical ash	—	—	—	—	—	—	12 (5,000)	—	—	—	—	—	12 (5,000)
<i>Fraxinus uhdei</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Miscellaneous ²	—	—	—	—	1 (600)	0 (1,800)	4 (1,800)	1 (400)	—	—	1 (640)	—	7 (3,449)
TOTAL	43 (20,158)	255 (85,760)	229 (100,560)	20 (6,000)	53 (24,200)	17 (6,965)	16 (6,800)	48 (14,925)	3 (1,000)	32 (6,600)	28 (21,640)	35 (27,700)	779 (322,308)

¹ Within body of table, numbers not enclosed in parentheses are acres; those enclosed are number of trees.

² Includes 100 tallwood (*eucalyptus resinifera*), 500 ironwood (*casuarina cunninghamiana*), 500 sugi (*cryptomeria japonica*), 1,300 redwood (*sequoia sempervirens*), 400 teak (*tectona grandis*), 640 robusta (*eucalyptus robusta*), 4 red-flowering gum (*eucalyptus ficifolia*), and 5 jacaranda (*jacaranda mimosifolia*).

Table 4. NURSERY PRODUCTION. FISCAL YEAR 1970-71

Land Ownership Class	Central Tree Nursery				Hilo		Kauai		Maui		State		Total
	Timber & Other	Wind- break	Timber & Other	Wind- break	Timber & Other	Wind- break	Timber & Other	Wind- break	Timber & Other	Wind- break			
Federal	19,100	—	100	—	1,000	1,000	1,397	—	21,597	1,000	—	22,597	
State Forest Reserve	391,655	—	13,528	—	57,066	35	—	—	462,249	35	—	462,284	
Other State Lands	45,880	431	921	—	91	—	3,485	—	50,377	431	—	50,808	
Town, City, County and Public Schools	4,950	—	—	—	55	170	—	—	5,005	170	—	5,175	
Persons, Clubs, Associations and Private Schools	44,784	23,130	74	—	130	931	225	—	45,213	24,061	—	69,274	
Forest Reserves, not State Owned	10,400	—	—	—	—	—	—	—	10,400	—	—	10,400	
Plantations, Ranches, Power Companies, Not in Forest Reserve	4,590	3,950	—	—	—	4,599	—	—	4,590	8,549	—	13,139	
Total Timber	521,359	—	14,623	—	58,342	6,735	5,107	—	599,431	—	—	—	
Total Windbreak	—	27,511	—	—	—	—	—	—	—	—	—	—	
All ¹⁾	548,870	—	14,623	—	65,077	6,735	5,107	—	—	34,246	—	633,677	

¹ Does not include small numbers of ornamental and fruit trees.

**Table 5. FOREST AND BRUSHLAND FIRES.
FISCAL YEAR 1970-71**

(A)—Location, number, area burned

Location	Number	Acres burned
Division of Forestry Protection Area		
Hawaii	27	4,834
Maui	0	0
Molokai	0	0
Oahu	5	1,624
Kauai	2	15
State Total	34	6,473
Mutual aid fires to which Division of Forestry responded outside of protection area		
State Total	10	2,950

**(B)—Name, date, areas of individual fires
10 acres or larger.**

Island	Name	Date	Acres burned
Hawaii	Kapua	8/22/70	15
Hawaii	Kawaihae	8/23/70	20
Hawaii	Keamuku	8/31/70	2,000
Hawaii	Puu Waawaa	11/07/70	2,000
Hawaii	Kahaualea	10/30/70	100
Hawaii	Keaau	10/30/70	50
Hawaii	Kahaualea-2	11/20/70	300
Hawaii	Kawaihae-2	12/28/70	55
Hawaii	Waikahekahe	2/28/71	150
Hawaii	Keaau-2	5/12/71	60
Hawaii	Puna	6/27/71	50
Oahu	Makua Valley	8/05/70	1,525
Oahu	Makaha Valley	8/02/70	65
Oahu	Opaepala	6/14/71	25
Kauai	Anahola	6/13/71	14

Table 6. ROADS, TRAILS, AND FENCES. FISCAL YEAR 1970-71

	Construction			Maintenance		
	Roads	Trails	Fences	Roads	Trails	Fences
			feet			
Hawaii	42,504	—	12,408	420,456	118,536	31,680
Kauai	—	9,240	—	10,296	392,040	158
Molokai	—	—	—	228,994	6,336	15,840
Maui	—	32,419	5,491	179,520	35,640	13,728
Oahu	—	5,597	—	48,312	221,760	—
TOTAL	42,504	47,256	17,899	1,187,578	774,312	61,406
MILES	8.0	8.9	3.4	224.9	146.7	11.6

Table 7. SURRENDER AGREEMENTS FOR PRIVATE LANDS IN CONSERVATION DISTRICTS, JUNE 30, 1971

Land	Forest Reserve	Owners	Date of Expiration	Term	Area (Acres)
Kauai:					
Wainiha	Halelea	McBryde Sugar Company	2-14-1989	20	10,120
					10,120
Oahu:					
Honouliuli	Honouliuli	James Campbell Estate	2-15-1977	20	4,911
Laie	Kahuku	Zions Securities Corporation	5-22-1988	20	2,560
Kaipapau	Kaipapau	Zions Securities Corporation	5-22-1988	20	276
					7,747
Molokai:					
Naiwa 3	Molokai	Molokai Ranch Company	7- 3-2001	50	53
Manowainui	Molokai	Molokai Ranch Company	7- 3-2001	50	50
Kaunakakai	Molokai	Molokai Ranch Company	7- 3-2001	50	965
Makakupapa	Molokai	Molokai Ranch Company	7- 3-2001	50	654
Kawela	Molokai	Molokai Ranch Company	7- 3-2001	50	33,850
					5,572
Maui:					
Kipahulu	Kipahulu	Ulupalakua Ranch Company	12-31-1978	20	3,519
					3,519
Hawaii:					
Kukuau I	Hilo	A.A. Richardson Estate	12-31-1978	20	2,979
					2,979
GRAND TOTAL					29,937

Table 8. FOREST AND WATER RESERVE WITHIN CONSERVATION DISTRICT, JUNE 30, 1971
(In acres. Before July 10, 1961, these areas comprised the "Forest and Water Reserves.")

Island and Reserve	All Agencies	State Lands	Hawaiian Home Lands	City & County Lands	Federal Lands	Private Lands
All Islands	1,196,040.005	808,480.007	25,100.23	3,034.49	10,722.37	348,702.908
KAUAI	163,128.38	83,133.27	9,870.00	1,158.50	—	68,966.61
Halelea	39,720.00	14,147.00	—	—	—	25,573.00
Haupu	3,230.00	—	—	—	3,230.00	3,230.00
Kalepa	901.41	715.91	—	—	—	185.50
Kealia	8,559.28	6,089.28	—	—	—	2,470.00
Lihue-Koloa	27,186.29	10,941.08	—	—	—	16,245.21
Molokaa	4,564.00	928.00	2,270.00	—	—	1,366.00
Na Pali-Kona	61,425.00	41,528.10	—	—	—	19,896.90
Nonou	818.00	818.00	—	—	—	—
Papapaholahola	54.40	—	—	54.40	—	—
Puu Ka Pele	15,565.90	7,965.90	7,600.00	—	—	—
Puu Ka Pele Park	1,104.10	—	—	1,104.10	—	—
OAHU	123,029.318	30,630.95	188.00	1,725.42	10,722.37	79,762.578
Ewa	27,930.24	5,798.10	—	—	3,895.00	18,237.14
Hauula	9,493.76	1,443.76	—	—	—	8,050.00
Honolulu	20,450.348	7,497.97	—	1,725.42	335.92	10,891.038
Honouliuli	4,936.00	—	—	—	34.31	4,901.69
Kahuku	5,833.00	—	—	—	—	5,833.00
Kaipapau	1,173.00	897.00	—	—	—	276.00
Kaneohe	1,019.97	19.64	—	—	—	1,000.33
Kawailoa	18,696.00	—	—	—	—	18,696.00
Kuaokala	385.00	385.00	—	—	—	—
Kuliouou	214.00	214.00	—	—	—	—
Lualualei ¹	3,710.00	—	—	—	3,710.00	—
Makua-Keaau	2,513.09	2,408.09	—	—	—	105.00
Mokuleia	5,215.00	5,215.00	—	—	—	—
Nanakuli	788.00	595.94	188.00	—	4.06	—
Pupukea	837.10	837.10	—	—	—	—
Round Top	186.12	186.12	—	—	—	—
Schofield Barracks	2,707.40	—	—	—	2,707.40	—
Waiahole	8,633.72	1,683.12	—	—	28.80	6,921.80
Waianae-Kai	5,014.57	2,043.99	—	—	—	2,970.58
Waimanalo	3,293.00	1,406.12	—	—	6.88	1,880.00
MOLOKAI: Molokai	46,444.928	20,222.588	610.00	5.34	—	25,607.00
LANAI: Lanai	6,150.00	—	—	—	—	6,150.00
MAUI	158,766.18	93,321.67	8,717.00	145.23	—	56,582.28
Hana	15,670.90	13,672.70	—	—	—	1,998.20
Kahikinui	15,828.80	4,466.80	8,717.00	—	—	2,645.00
Kipahulu	11,767.62	7,232.60	—	—	—	4,535.02
Koolau	60,216.50	39,163.44	—	—	—	21,053.06
Kula	5,938.50	4,932.50	—	—	—	1,006.00
Makawao	2,093.00	2,093.00	—	—	—	—
Waihou Spring	84.00	74.00	—	—	—	10.00
West Maui	47,166.86	21,686.63	—	145.23	—	25,335.00
HAWAII	698,521.199	581,171.529	5,715.529	—	—	111,634.44
Hamakua	11,682.79	3,555.00	1,077.88	—	—	7,049.91
Hauola	10.10	10.10	—	—	—	—
Hilo	119,748.54	64,514.94	—	—	—	55,233.60
Holualoa	135.00	—	—	—	—	135.00
Honaunau	10,028.00	—	—	—	—	10,028.00
Honuaula	1,345.80	1,312.00	—	—	—	33.80
Kahaluu	3,827.00	—	—	—	—	3,827.00
Kapapala	37,416.00	37,416.00	—	—	—	—
Kau	61,389.80	56,805.80	—	—	—	4,584.00
Kaupelehu	7,284.00	—	—	—	—	7,284.00
Keauohana	271.60	271.60	—	—	—	—
Kilauea	5,070.00	—	—	—	—	5,070.00
Kohala	47,889.75	31,712.90	87.35	—	—	16,089.50
Malama-Ki	1,441.293	1,441.293	—	—	—	—
Manaowaialee	2,329.00	1,609.00	—	—	—	720.00
Mauna Kea	87,400.108	82,600.008	4,550.00	—	—	250.10
Mauna Loa	160,468.73	160,468.73	—	—	—	—
Nanawale	2,567.668	2,567.668	—	—	—	—
North Kona Watershed	491.93	452.70	—	—	—	39.53
Olaa	16,032.857	16,032.857	—	—	—	—
Olaa Forest Park Reserve	543.616	543.616	—	—	—	—
Upper Olaa	2,897.017	2,897.017	—	—	—	—
Panaewa	1,214.355	1,214.355	—	—	—	—
Puna	25,738.00	25,738.00	—	—	—	—
South Kona	24,612.333	23,322.333	—	—	—	1,290.00
Waiakea	11,197.282	11,197.282	—	—	—	—
Upper Waiakea	55,488.33	55,488.33	—	—	—	—

¹Under control of U.S. Navy.

Table 9. PUBLICATIONS, INSTITUTE OF PACIFIC ISLANDS FORESTRY, FY 1971

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- Walters, Gerald A.**
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- Walters, Gerald A., and Null, William S.**
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- Wick, Herbert L.**
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DIVISION OF LAND MANAGEMENT

Table 1. LAND OWNERSHIP OR TENURE FOR HAWAII AS OF JUNE 30, 1968
(Acreage owned by Island)

	Federal Govt. ¹	Hawaii State Govt. ²	Major Private Landowners	Other ³	Total Land Area of Island
Island of Hawaii	241,858	1,095,247	1,052,583	183,753	2,573,441
Island of Kahoolawe		28,800			28,800
Island of Kauai	2,306	151,832	176,953	21,548	352,639
Island of Lanai	8		88,792	1,440	90,240
Island of Maui	26,478	204,376	221,223	13,843	465,920
Island of Molokai	78	51,685	110,444	3,563	165,770
Island of Niihau			46,065	15	46,080
Island of Oahu	56,241	56,672	221,820	46,057	380,790
Other ⁴		1,920			1,920
TOTALS	326,969	1,590,532	1,917,880	270,219	4,105,600

¹ Includes fee simple and ceded land.

² Includes Hawaii State land which is managed by the county governments and various State agencies, and Hawaiian Homes Commission lands.

³ Included private landowners who own less than 1,000 acres in fee simple and county land which was acquired by purchase or gift in the name of the counties.

⁴ Includes Kure Isl., Pell Isl., Laysan Isl., Gardner Isl., French Frigate Shoals, Necker Isl., Bird Isl., and Lehua. Added to Honolulu County in following table.

Table 2. STATE-OWNED LAND BY COUNTIES AS OF JUNE 30, 1968

Political Unit	Total Land Area (acres)	State-Owned Lands (acres)	% State-Owned
STATE	4,105,600	1,590,532	38.7
County			
Honolulu	382,710*	58,952*	14.8
Maui and Kalawao	750,730	284,861	34.1
Hawaii	2,573,441	1,095,247	43.8
Kauai	398,719	151,832	39.9

*Includes 1920 acres of Kure, Pell Island etc. as listed in preceding table.

PUBLIC TRUST FUND CEDED LAND PROCEEDS**Land Management Program**

	ACTUAL 1970-1971	ESTIMATED 1971-1972
Receipts: (All Chapter 171 HRS)		
Rentals, Leased Public Lands	\$2,597,029	\$2,600,000
Rentals, Unleased Public Lands	598,439	600,000
Sale of Wood, rock and sand	123,614	128,000
License, Use of Government Water	558,907	550,000
License, Use of Government Land for Specific Purposes	41,244	42,000
TOTAL RECEIPTS	\$3,919,233	\$3,920,000
Expenditures:		
Revenue from Hawaiian Homes		
Lands & Transfers*	\$ 871,743	\$ 880,000
Transfers to General Fund	3,047,490	3,040,000
TOTAL TRANSFERS	\$3,919,233	\$3,920,000
*Hawaiian Home Lands Receipts:		
Loan Fund (Act 4, SLH 1965)	\$ 596,394	\$ 600,000
Administration Fund	275,439	280,000
Development Fund		
TOTAL	\$ 871,743	\$ 880,000

GENERAL FUND REVENUES**Land Management Program**

Title of Receipt and Legal Reference	Fee Schedule	ACTUAL 1970-1971	ESTIMATED 1971-1972
Conveyance Tax (Act 5/68)	\$.50 per 1000	\$ 1,193	\$ 1,000
Unclaimed Money & Cash Overages			
Fees, Copies of Public Documents	\$.50 page (Xerox)	266	270
Fees, Issuance of Land Patents, etc.	\$20.00 each	7,368	7,350
Fees, Consents to Transfers, etc.	\$15.00 each	1,135	1,135
Fees, Surveying Public Lands	\$25.00 each	3,835	3,500
Fees, Appraisals		290	200
Sale of Publications		34	30
Sale of Improvements on Expired or Cancelled Leases		5,647	3,465
Cost of Managing Property acquired for Highway Purposes			
Indemnity for damages to insured property			
Sale of Wood, rock and sand		13,088	13,000
Interest on Delinquent Accounts			
Witness or Juror Fees		48	50
Sales of Equipment or other Property			
TOTAL GENERAL FUND REVENUES		\$32,904	\$30,000

SPECIAL LAND AND DEVELOPMENT FUND
Land Management Program

	ACTUAL 1970-1971	ESTIMATED 1971-1972
Balance at the beginning:	\$3,685,352	\$3,676,496
Receipts:		
Transfers In		
Interest on deferred Payments	\$ 375,044	\$ 400,000
Sale of Public Lands	55,404	56,000
Interest on Delinquent Accounts	722,110	750,000
Refunds and Reimbursements of prior year's Expenditures	2,060	2,000
Sub-totals	46,851	46,000
TOTAL RECEIPTS	\$1,201,469	\$1,280,000
	\$4,886,821	\$4,956,496
Expenditures:		
Land & Interest in Land	\$ 92,150	\$ 95,000
Structures & Permanent Improvements to Land	510,941	550,000
Transfers Out:		
County of Hawaii	\$ 30,000	\$ 30,000
County of Maui	62,500	62,500
Bond Fund Repayments	410,952	415,000
Administrative Costs	103,782	110,000
TOTAL EXPENDITURES	\$1,210,325	\$1,262,500
Balance at end	\$3,676,496	\$3,693,996

GENERAL LEASES ISSUED—ALL ISLANDS
July 1, 1970 to June 30, 1971

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	54.045	\$ 2,200.00	3
Business			
Cane			
County			
Eleemosynary	1.026	1.00	1
Federal			
Fishpond			
Industrial	5.183	22,208.00	4
Pasture	355.130	6,380.00	3
Pineapple			
Recreational			
Residential	2.758	1,450.00	2
Right of way	.013	118.00	1
Waste			
Water Licenses, etc.	1,534.500	32,600.00	1
TOTALS	1,952.655	\$64,957.00	15

GENERAL LEASES—SUMMARY, ALL ISLANDS, June 30, 1971

Use	Area (Acres)	Annual Rent	No. Leases
Agriculture	4,017.985	\$ 106,891.04	160
Business	457.606	531,095.23	81
Cane	58,017.460	801,242.05	38
County	79.164	1.00	20
Eleemosynary	283.147	17,791.00	22
Federal	40,284.780	600.00	28
Fishpond	50.870	629.40	1
Industrial	299.231	546,396.62	94
Pasture	305,857.298	587,359.49	187
Pineapple	578.265	17,119.45	1
Recreational	262.199	1,655.00	6
Residential	133.584	12,942.97	145
Right of way	338.108	31,107.59	110
State Agencies	13,321.050	Gratis	1
Waste	5,327.587	122.40	10
Water Licenses, etc.	15,867.930	247,584.00	15
TOTALS	445,176.264	\$2,902,537.24	919

¹ Includes in sugar cane leases.

SUMMARY OF DISPOSITIONS, ALL ISLANDS—From July 1, 1970 to July 30, 1971

Counties	Executive Orders	Sales in Fee*	General Leases**	Revocable Permits**	Grand Total
HAWAII: (1st Land District)					
Number	13	94	9	22	138
Area (Acres)	234.255	31.315	85.203	73.510	424.283
Price* or Annual Rental**	\$ —	\$631,218.59	\$24,852.00	\$ 19,760.36	\$ 675,830.95
MAUI: (2nd Land District)					
Number	10	1	5	43	59
Area (Acres)	9,382.800	2.200	332.952	1,976.838	11,694.790
Price* or Annual Rental**	\$ —	\$ 2,091.00	\$ 7,505.00	\$ 77,594.25	\$ 87,190.25
OAHU: (3rd Land District)					
Number	23	23	1	63	110
Area	138.277	11.495	1,534.500	141.852	1,826.124
Price* or Annual Rental**	\$ —	\$161,198.24	\$32,600.00	\$352,192.76	\$ 545,991.00
KAUAI: (4th Land District)					
Number	7	3	—	16	26
Area (Acres)	6.939	.741	—	42.646	50.326
Price* or Annual Rental**	\$ —	\$ 6,275.00	—	\$ 5,964.00	\$ 12,239.00
GRAND TOTALS:					
Number	53	121	15	144	333
Area (Acres)	9,762.271	45.751	1,952.655	2,234.846	13,995.523
Price* or Annual Rental**	\$ —	\$800,782.83	\$64,957.00	\$455,511.37	\$1,321,251.20

GENERAL LEASES ISSUED—COUNTY OF HAWAII July 1, 1970 to June 30, 1971

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	50.831	\$ 2,050.00	2
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	1.026	1.00	1
Federal	—	—	—
Fishpond	—	—	—
Industrial	5.183	22,208.00	4
Pasture	28.150	475.00	1
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Right of way013	118.00	1
Waste	—	—	—
Water Licenses, etc. .	—	—	—
TOTALS	85.203	\$24,852.00	9

GENERAL LEASES ISSUED—COUNTY OF MAUI July 1, 1970 to June 30, 1971

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	3.214	\$ 150.00	1
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	326.980	5,905.00	2
Pineapple	—	—	—
Recreational	—	—	—
Residential	2.758	1,450.00	2
Right of way	—	—	—
Waste	—	—	—
Water Licenses, etc. .	—	—	—
TOTALS	332.952	\$7,505.00	5

GENERAL LEASES ISSUED—COUNTY OF OAHU July 1, 1970 to June 30, 1971

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	—	—	—
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	—	—	—
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Right of way	—	—	—
Waste	—	—	—
Water Licenses, etc. .	1,534.500	\$32,600.00	1
TOTALS	1,534.500	\$32,600.00	1

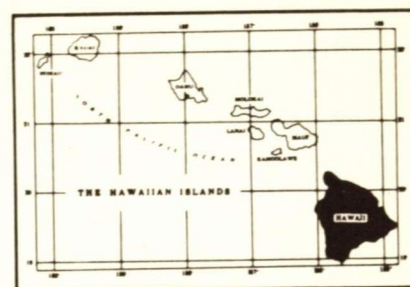
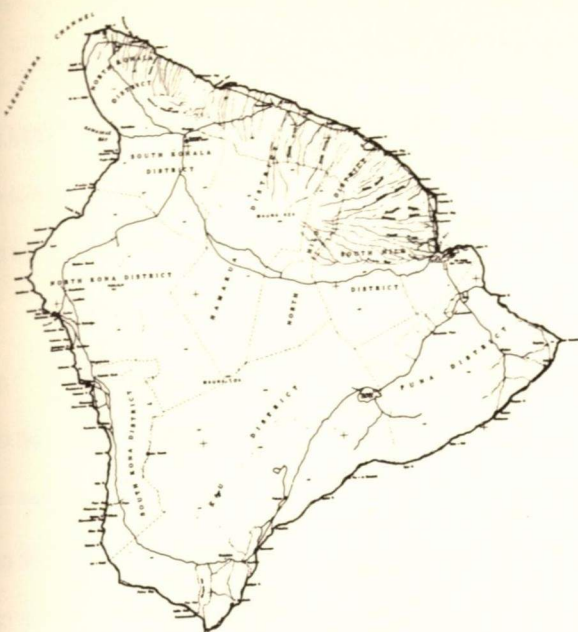
GENERAL LEASES ISSUED—COUNTY OF KAUAI July 1, 1970 to June 30, 1971

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	—	—	—
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	—	—	—
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Right of way	—	—	—
Waste	—	—	—
Water licenses, etc. .	—	—	—
TOTALS	0	0	0

1964-1971 Conservation District Use Applications

CLASSIFICATION OF CONSERVATION DISTRICT USE APPLICATIONS RECEIVED AS OF 12/31/71

[illegible]



FIRST LAND DISTRICT *Island of Hawaii*

GENERAL LEASES—SUMMARY, FIRST LAND DISTRICT, June 30, 1971

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	2,132.273	\$ 38,460.20	35
Business	118.487	167,154.96	43
Cane	16,076.351	125,392.04	26
County	60.388	Gratis	12
Eleemosynary	9.342	3,725.00	5
Federal	24,174.066	Gratis	7
Fishpond	50.870	629.40	1
Industrial	125.465	130,477.62	60
Pasture	279,223.408	526,148.96	95
Pineapple	241.700	1,050.00	2
Recreational	4.827	3,658.50	19
Residential	131.528	11,244.54	37
Right of way	13,321.050		1
State Agencies	733.556	(¹)122.40	5
Waste	6,201.050	11,032.00	5
Water licenses, etc.			
TOTALS	342,604.361	1,019,095.62	353

(¹) Included in sugar cane leases.

cane — Sugar cane	fed — Federal Government	rec — Recreational
agr — Agriculture, General	fpd — Fishpond	res — Residential
bus — Business	ind — Industrial	r/w — Rights of way
cty — County	past — Pasture	waste — Waste Land
ele — Eleemosynary	pine — Pineapple	wtr — Water Licenses, reservoirs, etc.

GENERAL LEASES AND LICENSES, FIRST LAND DISTRICT, June 30, 1971

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
2480	Finance Investment Co., Ltd.	8/25/36-3/14/2015	Lot 5, Ocean View Lots, South Hilo	2-1-5:13	.72	bus	\$ 4,234.00
2481	Finance Investment Co., Ltd.	8/25/36-3/14/2015	Lot 8, Ocean View Lots, South Hilo	2-1-5:17	.75	bus	4,764.00
2610	Finance Investment Co., Ltd.	6/ 1/39-3/14/2015	Lot 7, Ocean View Lots, South Hilo, Hawaii	2-1-5:16	2.95	bus	26,370.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-2899	James & Miulan Y. Kealoha	12/29/41-3/14/2015	Lot 17, Waiakea Warehouse Lots, Waiakea, South Hilo	2-1-06:13 & 15	2.16	bus	9,578.00
S-2908	Matsuno F. Nakagawa	11/ 1/42-3/31/82	Waiakea, South Hilo	2-1-16:01	50.87	fpd	629.40
L-2964	Edward C. Hustace	3/15/41 (revokable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Ooma Mauka Tract, Makaula-Haleohiu Tract, North Kona, Hawaii	7-3-01:2		r/w	12.00
3029	Nalei Incorporated	9/13/45-3/14/2015	Lots 12 & 12A, Ocean View Lots, South Hilo	2-1-5-22	1.190	bus	8,112.00
3155	Kenneth K. Bell & Clara L. Bell	3/15/47-3/14/2015	Lot 22, Ocean View Lots, 2nd Series, Waiakea, S. Hilo, HI.	2-1-7:21	.160	res	155.00
3156	Tungert L. & Harvey C. Chong	11/18/46-3/14/2015	Lot 23, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-7:22	.170	res	186.00
3157	Robert C. McKeen	11/18/46-3/14/2015	Lot 24, Ocean View Lots, Waiakea, South Hilo	2-1-7:23	.170	res	366.00
3158	Hideo Funada	11/18/46-3/14/2015	Lot 25, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-7:24	.170	res	306.00
3160	Hannah Akamu Baker, etal. c/o Marguerite B. Frazier	11/18/46-3/14/2015	Lot 27, Ocean View Lots Waiakea, South Hilo	2-1-7:26	.170	res.	141.00
3161	Hanna Akamu Baker, etal. c/o Marguerite B. Frazier	11/18/46-3/14/2015	Lot 28, Ocean View Lots Waiakea, South Hilo, Hawaii	2-1-7:27	.180	res.	299.00
3162	Clarence Tatsuka & Kitome Ohama	11/18/64-3/14/2015	Lot 29, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:28	.180	res.	163.00
3163	Kaiva & Josephine Martinson Tuiasosopo	11/18/46-3/14/2015	Lot 30, Ocean View Lots, Waiakea, South Hilo	2-1-7:29	.180	res.	165.00
3164	Electrical Worker Local 1414 Building Trust	11/18/46-3/14/2015	Lot 31, Ocean View Lots, 2nd Series Waiakea, S. Hilo	2-1-7:30	.180	res.	167.00
3165	Lily B.L.Y. Wong	11/16/46-3/14/2015	Lot 32, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:31	.180	res.	169.00
3166	John W. — Adele M. Jensen	3/15/47-3/14/2015	Lot 33, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:32	.190	res.	170.00
3167	William J. & Anna Mehau Payne	9/10/47-3/14/2015	Lot 34, Ocean View Lots, Waiakea, South Hilo, 2nd Series	2-1-7:33	.190	res.	172.50
3168	Gaspro, Limited	9/10/47-3/14/2015	Lot 35, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:34	.190	res.	185.00
3169	Ernest M. & Adelaide Cabrinha	9/10/47-3/14/2015	Lot 36, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:35	.190	res.	174.00
3170	Ernest M. & Adelaide Cabrinha	9/10/47-3/14/2015	Lot 37, Ocean View Lots, 2nd Series, Waiakea, S. Hilo	2-1-7:36	.185	res.	180.00
3202	Frank Ferreira	5/ 1/47-11/ 1/2017	Lots 134 and 135, Lehia Park Res. Lots, S. Hilo	2-1-17:65	.880	res.	50.00
3265	Hilo Bay Hotel, Inc.	6/ 1/49-3/14/2015	Lot 2, Ocean View Lots, Waiakea, South Hilo	2-1-5:32	.586	bus.	2,981.00
3266	Hilo Bay Hotel, Inc.	8/10/49-3/14/2015	Lot 3, Ocean View Lots, Waiakea, South Hilo	2-1-5:34	.531	bus.	2,716.00
3267	Hilo Bay Hotel, Inc.	6/ 1/49-3/14/2015	Lot 4, Ocean View Lots, Waiakea, South Hilo	2-1-5:35	.500	bus	3,252.00
3268	Finance Investment Co., Ltd.	6/ 1/49-3/14/2015	Lots 5 & 6, Ocean View Lots, Lots, Waiakea, South Hilo	2-1-5:32	.749	bus	4,894.00
3269	M & Associates, Inc.	6/ 1/49-3/14/2015	Lot 10, Ocean View Lots, Waiakea, South Hilo	2-1-5-20	.920	bus	9,180.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
L-3341	Hawaiian Telephone	11/12/49-	Govt. lands of Kaumana	2-5-03:21 2-5-02:12 2-5-01:02 & 08 2-6-18:10 2-4-08:01, 04 & 08 3-8-01:07 3-8-01:13 4-4-16:03, 05 & 07 4-4-15:04, 08	40.00	r/w	20.00
3343	John Rapoza, Sr.	4/10/50-4/09/71	Pohahawai	2-4-08:10	259.49	past	135.00
3344	Martin J. Branco	4/10/50-4/09/71	Piihonua Waiakea	2-4-06:34	319.60	past	80.00
3345	Alfred R. Menio	4/10/50-4/09/71	Humuula	2-4-06:35	319.60	past	80.00
3347	Hilo Electric Light Co., Ltd.	4/10/50-4/09/72	Kaohe IV	2-4-12:43	.056	bus	12.00
L-3350	C. Brewer & Co., Ltd.	7/01/50-6/30/71	Kaohe III	9-7-01:por. 01	322.44	wtr	1,800.00
L-3351	C. Brewer & Co., Ltd.	7/01/50-6/30/71	Waiakea, South Hilo	9-7-01: por. 01		wtr	1,200.00
L-3353	Richard Smart	1/ 1/52-12/31/72	Pahala, Kau	4-6-11:11	738.00	past	7,570.00
3354	Honokaa Sugar Co.	1/ 1/52-12/31/72	Honokaia, Part 1, Hamakua	4-6-05:8	31.69 17.66	cane past	799.33 125.25
3355	Richard Smart	1/ 1/52-12/31/72	Gov't Remainders of Papaki, Koloaha Au 1st, Hamakua,	4-4-14:3	1,202.00	past	7,000.00
3356	Richard Smart	1/ 1/52-12/31/72	Kaohe, Kaohe III Sec., A-1, Hamakua	6-5-01:06 & 11	416.00	past	5,000.00
3357	Richard Smart	1/ 1/52-12/31/72	Por. Land of Haleaha & Puukapu, South Kohala	6-2-1:4	555.45	past	7,000.00
3358	Kahua Ranch, Ltd.	1/ 1/52-12/31/72	Por. HHL of Pauahi, South Kohala	6-1-1:2 & 3	9,899.370	past	40,352.44
3359	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Waimea, South Kohala	4-1-6:7	3,110.00	past	12,600.00
3360	C. Brewer & Co. Ltd.	1/ 1/52-12/31/72	Kaohe-VI, Hamakua	9-6-13:2	1,777.000	past	400.00
3361	Richard Smart	1/ 1/52-12/31/72	Parcel 2, Kaalaala Makai, Kau	4-6-11:12	508.00	past	7,100.00
3362	Anna Ranch	1/ 1/52-12/31/72	Part 3, Por. of Gov't Land of Hono-Kaia, Hamakua	6-4-0-2	333.81	past	3,005.88
3363	C. Brewer & Co., Ltd.	1/ 1/52-12/31/72	Puukapu Pasture Lot No. 9, South Kohala	9-3-1:2	10,289.28	past	35,038.72
3364	Richard Smart	1/ 1/52-12/31/72	Kamaoa-Puueo Tract,	4-6-11:3	739.00	past	8,800.00
3366	Richard Smart	1/ 1/52-12/31/72	Gov't Crown Land of Honokaia, Hamakua	6-2-01:15	2,978.03	past	16,200.00
3367	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Puu Kawaiwai Panoluukia, Kapia, Waimea South Kohala	4-3-10:2	7,932.36	past	40,700.00
3369	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe II, Hamakua	4-2-8:2	1,902.00	past	16,000.00
3370	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Hoea & Kaao, Hamakua	4-1-06:4	66.00	past	40.00
3371	Richard Smart	1/ 1/52-12/31/72	Portion of Gov't Remainder of Niupea, Hamakua	4-4-14:2	6,080.00	past	42,200.00
3373	Richard Smart	1/ 1/52-12/31/72	Kalopa, Hamakua	5-8-2:5	107.00	past	300.00
			Kipi-Kehene 1st, North Kohala				

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3374	Richard Smart	1/ 1/52- 12/31/72	Por. Puukapu Pasture Lot. No. 10, South Kohala	6-4-04:10	2,376.32	past	10,500.00
3375	Richard Smart	1/ 1/52- 12/31/72	Honokaa, Part 4, Hamakua	4-6-11-13	489.956	past	8,294.52
3376	C. Brewer & Co., Ltd.	1/ 1/52- 12/31/72	Por. Gov't Land of Kapapala, Kau	9-8-1:2	36,873.020	past cane	63,649.53
3377	Kukaiau Ranch Co., Ltd.	1/ 1/52- 12/31/72	Parcel 1, Kaohe II, Hamakua	4-3-10:2	7,780.00	past	42,000.00
3378	Richard Smart	1/ 1/52- 12/31/72	Portion Land of Momoualooa Waimea, South Kohala	6-2-1:11 & 6	391.00	past	7,800.00
3379	Richard Smart	1/ 1/52- 12/31/72	Kaoniki, Kauniho, Lalamilo, Puukapu, Waimea, South Kohala	3-6-5-01, 10, 20	332.307	past	7,581.50
3380	Richard Smart	1/ 1/52- 12/31/72	Honokaia, Part 5, Hamakua	4-6-11:4	768.477	past	12,200.00
3381	Richard Smart	1/ 1/52- 12/31/72	Lalamilo, Waimea South Kohala	6-6-03: Por 3	1.961	past	45.32
3382	Kukaiau Ranch Co., Ltd.	1/ 1/52- 12/31/72	Por. Gov't Remainder Manowaialee, Hamakua	4-1-6:2	162.00	past	1,000.00
3412	County of Hawaii	4/ 7/52- 4/ 6/73	Kamehameha Avenue & Kalanikoa Ave., Waiakea South Hilo	2-2-32:61	.80	bus	1,062.00
3414	Robert M. & Emma L. Yamada	4/ 7/52- 4/ 6/73	Lots 10, 11-A, 11-B Kaimu-Makena Homesteads, Puna	1-2-06:07	177.55	agr	50.00
3420	Richard & Juliette S. Furtado	6/ 1/52- 5/31/73	Kilauea & Piopio St., South Hilo	2-2-29:8	.24	bus	125.00
3424	H. Harada Contractor, Inc.	6/ 1/52- 5/31/73	Lot 6 & 8, Blk. 40, Waiakea House Lots, 1st Series, South Hilo	2-2-37:98	1.02	ind	250.00
3425	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	6/ 1/52- 5/31/73	Lot 14, Blk. 48, Waiakea House Lots Extension at Waiakea	2-2-49-45	.60	ind	300.00
3426	Chieno, Masaru & Chitoshi Doi	6/ 1/52- 5/30/73	Kawaihae 1, Kawaihae Village South Kohala	6-1-3:3	.572	res	200.00
3428	Maurice & Molly D. Zimring	6/ 1/52- 5/30/73	Lot 11, Keaukaha Seaside Lots, Waikea, South Hilo	2-1-14:22	.27	res	230.00
3431	Richard Smart	10/ 1/52- 9/30/73	Kaohe III, Section B, Hamakua	4-4-15:2	1,762.936	past	600.00
3432	Palani Ranch Co., Inc.	10/ 1/52- 9/30/73	Lots 1 to 20, Kealakehe Homesteads, 2nd series, North Kona	7-4-8:3	687.56	past	773.58
3433	Dillingham Investment Corp.	4/ 8/53 4/ 7/74	Honomalino-Hoopulooa Mauka Tract, South Kona	8-9-1:2	2,717.924	past	1,000.00
3434	Richard Smart	12/20/52- 12/19/73	Keanuio mano, Puuiki & Waikoloa Iki, Waimea South Kohala	6-5-1-20	430.930	past	2,119.65
3435	Honomalino Agricultural Co., Inc.	7/ 3/52- 7/ 2/73	Kaulanamauna, South Kona	8-9-6:15	2,095.54	past	425.00
3436	Richard Smart	10/ 1/52- 9/30/73	Kaohe III, Section A-2, Hamakua	4-4-14:4	101.40	past	85.00
L-3437	Hawaiian Trust	7/ 3/52 7/ 2/73	Parcels 1 & 2, of Gov't Land of Lalamilo, South Kohala	6-6-01	.08	r/w	12.00
3438	Richard Smart	7/ 1/53- 6/30/74	Parcel 1, Por. of Humuula (Keanakolu Paddocks), North Hilo	3-8-1:9	5,290.00	past	16,000.00
3439	Richard Smart	7/ 1/53- 6/30/74	Parcel 2, Por. of Humuula (Hopuwai Paddock) North Hilo	3-8-1:2	7,512.80	past	14,000.00
3440	Richard Smart	7/ 1/53- 6/30/74	Parcel 3, Por. of Humuula, Kaohe (Kole & Laumaia Paddocks), North Hilo	3-8-1:7	20,377.317	past	18,000.00
3441	Richard H. Jose	7/ 1/53- 6/30/74	Laupahoehoe Mauka, Laupahoehoe, North Hilo	3-3-3-46	110.00	past	915.00
3442	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Parcels A & B and Ninole Gov't. Fish Pond, Kau	9-5-19:1	332.56	past	520.00
3443	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Parcels 1 & 2, Kaunamano Homesteads, Kau	9-5-12:2 & 18	477.16	past	930.00
3444	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Wailau Gov't. Remainder Kau	9-5-19-17, 16, 27	345.80	past	235.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3445	Laupahoehoe Sugar Company	12/29/52-12/28/73	Laupahoehoe, North Hilo	3-6-1:56	11.79	past	205.00
3446	Joaquin Ramos	7/ 1/53-6/30/74	Lots 92, 93 & 94, Olaa New Tract Lots, Olaa, Puna	1-8-11:26	150.00	past	50.00
3449	C. Brewer & Co., Ltd.	12/29/52-12/28/73	Parts 1 & 2, Por. of Moaula-Kopu-Makaka, Makai, Kau	9-6-02:	2,376.85	past	1,025.00
L-3453	Laupahoehoe Sugar	10/ 1/53-9/30/74	Papaaloa, Manowaiopae & Kihalani Homestead Tracts & por. of Laupahoehoe, North Hilo	3-6-03		r/w	12.00
L-3454	Hilo Electric Light	10/ 1/53-9/30/74	Honokaia, Kapolena, Kamoku & Puukapu, Waimea, South Kohala	4-6-11 4-7-07	32.810	r/w	100.00
L-3455	Kohala Sugar Company	10/ 1/53-9/30/74	Kahei Mauka, Section A, Kahei Makai, Section B; Hualua Middle Section B; Hualua Makai, Section B & Awalua Haena, North Kohala	5-5-11:47 & 1	24.52	r/w	72.12
L-3456	Hilo Electric Light Co. Ltd.	10/ 1/53-9/30/74	Waiakea, South Hilo	2-4-08	.085	r/w	12.00
L-3457	Standard Oil Co. of California	10/ 1/53-9/30/74	Waiakea-Kai South Hilo	2-1-07	.21	r/w	12.00
3472	Honokaa Sugar Company	4/ 9/54-4/ 8/75	Keaa-Mauka Tract, Hamakua	4-8-2 & 03	53.70	past	389.20
3473	Joseph L. Ventura	1/ 1/55-12/31/75	Parcel A, Piihonua Pasture Land, South Hilo	2-5-09:2 & 4	195.05	past	200.00
3475	George R. & Clifford A. Freitas	1/ 1/55-12/31/75	Por. of Lot 22-D-1 of Pohakulua Tract, North Kohala	5-8-03:7	83.21	past	1,400.00
3480	Laupahoehoe Sugar Co.	4/ 9/54-4/ 8/75	Por. of Pali & Gulch, Papaaloa Homesteads, North Hilo	3-5-02:6	6.00	wtr	31.00
3481	The Flintkote Co.	6/ 1/54-5/31/75	Waiakea Fish Pond, Waiakea, South Hilo	2-2:31	24.61	wtr	1.00
3482	Clarence J. Branco	4/ 9/54-4/ 8/75	Lots 812-A, 912-A & 913, Waiakea Homesteads, 2nd Series, S. Hilo	2-4-05:1	92.681	past	1,194.10
3483	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Company	6/ 1/54-5/31/75	Lot 15, Corner of Kamehameha Ave. & Kalanikoa St., Waiakea, South Hilo	2-2-49:44	.60	ind	300.00
3506	Charles L. Murray	9/10/54-9/ 9/75	Lot A, Corner of Kamehameha Ave., Kalaniloa St., Waiakea, South Hilo	2-2-32: por. 19	.47	bus	838.00
3507	Anthony M. Phillips, dba Phillips U-Drive	11/10/54-11/ 9/75	Lot B, Kamehameha Ave. between Kalanikoa & Kanoielehua St., Waiakea, South Hilo	2-2-32:19	.34	bus	400.00
3508	Anna L. Perry-Fiske	11/10/54-11/ 9/75	Lot 11, Lalamilo House Lots, 3rd Series, Lalamilo South, Kohala	6-5-01:32	.28	past	12.00
3509	William K. Thompson	11/10/54-11/ 9/75	Por. of Pahoeohoe 1-4, Maunaoui, Haleili, Haukalua 1-2 Alae 1-2, Pahoeohoe 1, South Kona	8-7:01	1,067.50	past	150.00
L-3521	Shell Oil Co., Union Oil Co. of Calif., & Phillips Petroleum Co.	6/ 7/55-6/ 6/76	Waiakea-Kai, Hilo	2-1:07	.12	r/w	12.00
3529	County of Hawaii	11/ 8/55-11/ 7/76	Waiakea, South Hilo	2-2-32:33	.59	bus	300.00
3530	Oda Orchids, Inc.	11/ 8/55-11/ 7/76	Waiakea, South Hilo	2-2-32:82	2.532	agr	120.00
3531	Toshiro Kataoka	11/ 8/55-11/ 7/70	Lot 63, Ponahawai, House Lots, Ponahawai, South Hilo	2-5:06	2.07	agr	24.00
3532	Benso Yamanouchi	11/ 8/55-11/ 7/76	Lot 12, Kaumana House Lots, Kaumana, South Hilo	2-5-05-74	.16	agr	12.00
3533	Honolulu Roofing Co., Ltd.	11/ 8/55-11/ 7/76	Lot 9, Keaukaha Seaside Lots, Waiakea, South Hilo	2-1-14:19	.42	res	180.00
3534	Thomas R. Araujo	11/ 8/55-11/ 7/76	Piihonua, South Hilo	2-3-25:47	2.67	past	24.00
3566	C. Brewer & Co., Ltd.	10/25/56-10/24/77	Por. Section "A" Kaalaala-Makakupu	9-6-11:2, 3, 4, 5 & 12	67.55 .48 1,354.17 1,422.20	cane waste past	680.00 300.00 980.30

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3567	E.L. Wung's Ranch, Ltd.	10/25/66-10/24/77	Lots 338 & 339 Olaa Reservation Lots, Olaa Puna	1-8-11:12	100.00	past	100.00
3569	Oda Orchids, Inc.	10/25/56-10/24/77	Lots 2, 4, 6, 8, 10, & 12, Blk. 30, Waieka House Lots, 1st Series, South Hilo	2-2-37:41 & 46	3.10	agr	100.00
3570	Kohala Sugar Co.	10/ 1/57-9/30/72	Opihipau-Hukiaa, Kalei & Hualua	5-5-03, & 07 5-6-01	1,103.000 132.506 11.000 62.025 1,308.531	cane ele past waste	8,408.17 1,010.09 55.00 62.03 9,535.29
3571	County of Hawaii	8/11/56-4/ 6/73	Gov't. Lot, Kamehameha Ave. Waiakea, South Hilo	2-2-32: Por 60	.377	bus	650.00
3573	Hawaii Broadcasting System, Ltd.	11/ 8/58-11/ 7/79	Humuula, North Hilo	3-8-1:11	2.038	bus	100.00
3574	Jas. W. Glover, Ltd.	8/11/59-8/10/80	Waiakea, South Hilo	2-1-12:4, 6, 10, 18, por. 5 & 7 2-4-01:15 & por. 96 2-1-07: por 15 & 19	74.134 38.58 .12	ind past r/w	2,594.62 139.86 120.00
3575	Honpa Hongwanji Mission of Hawaii	8/11/58-8/10/79	Lots 7 & 8, Waiakea Cane Lots Waiakea, South Hilo	2-2-37	2.57	bus	900.00
3576	Union Oil Co., of California	9/10/58-9/ 9/79	Gov't. Land of Waiakea, South Hilo				
3583	Robert M. Yamada	11/ 5/59 11/ 4/2004	Lots 4, 6, 7, 8, Blk. 39; Lots 5, 7, Blk. 40, Waiakea Lots, Waiakea South Hilo				
3584	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Gov't. Lands of Kamaee-Wailua & Puuoha, North Hilo	3-1-04: 1 & 2	548.75	cane	3,010.37
3585	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Honomu-Hukua, Kaakepa & Kaupakuea, South Hilo	2-8-11	907.93	cane	6,975.10
3586	Mauna Kea Sugar Co., Inc.	2/ 1/60-12/31/89	Kawainui, South Hilo	2-7-07:5	191.00	cane	1,403.05
3587	Paauhau Sugar Co., Ltd.	2/ 1/60-12/31/89	Kaunamano, Hamakua	4-4-01:1	32.10	cane	210.00
3589	Dillingham Investment Corp.	8/15/60-8/14/2000	Gov't. Lands of Puuwaawaa, North Kona	7-1-01, 02, 03, 04, & 05	105,796.58	past	30,000.00
S-3590	Texaco, Inc.	3/ 1/60-2/28/85	Por. Gov't. Land of Waiakea, South Hilo	2-1-09:42	2.66	ind	8,500.00
S-3591	Isamu Kanekuni & George T. Inouye dba Veterans Produce Exchange	1/16/61-1/15/2016	Lot 42, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-4-49 & 50	.35	ind	560.00
S-3592	Hiroaki Kono, dba Hilo Transportation Co.	1/16/61-1/15/2016	Lots 6 & 15, Waiakea Business & Industrial Lots, South Hilo	2-2-32:78	.78	ind	1,220.00
S-3593	Automotive Supply Center, Ltd.	1/16/61-1/15/2016	Lot 38, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.38	ind	576.00
S-3594	Broto's Body & Fender James Broto Toledo	1/16/61-1/15/2016	Lot 15, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50:83	.22	ind	400.00
S-3595	Harry's Refrigeration Service	1/16/61-1/15/2016	Lot 18, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50:86	.26	ind	440.00
S-3596	Isao Morimoto, dba Mori's Paint Shop	1/16/61-1/15/2016	Lot 37, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49:50	.38	ind	605.00
S-3597	William Aiona, Jr. dba Family Liquor Store	1/16/61-1/15/2016	Lot C-1, Kamehameha Business Lots, Waiakea, South Hilo	2-2-32:64	.34	bus	1,110.00
S-3598	Honolulu Roofing Co., Ltd.	1/16/61-1/15/2016	Lot 17, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50:85	.26	ind	440.00
S-3559	Kaneko Jelly, Ltd.	1/16/61-1/15/2016	Lot 22, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50	.77	ind	1,015.00
S-3600	Durant Realty Co., Ltd.	1/16/61-1/15/2016	Lot 29, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50:97	.34	ind	585.00
S-3601	Edward Hamilton Inman	1/16/61-1/15/2016	Lot 33, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.78	ind	828.00
S-3602	Hawaii Pest Control Co.	1/16/61-1/15/2016	Lot 40, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49:66	.36	ind	570.00
S-3603	Harders Company, Ltd.	1/16/61-1/15/2016	Lot 41, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.29	ind	460.00
S-3604	Walter Kiyoshi Hamai, dba W.K. Hamai Repair Shop	1/16/61-1/15/2061	Lot 46, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.26	ind	440.00

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S-3606	Hilo Kala, Inc.	1/16/61-1/15/2016	Lot 28, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50	.34	ind	575.00
S-3609	Hawaii Transportation Co., Ltd.	1/16/61-1/15/2016	Parcel II, Waiakea Bus. & Indus. Lots, South Hilo	2-2-32:71	2.36	ind	3,085.00
S-3611	Hawaii Planing Mill, Ltd.	1/16/61-1/15/2016	Parcel IV, Waiakea Bus. & Indus. Lots, South Hilo	2-2-32	2.33	ind	3,660.00
S-3612	Hamakua Mill Co.	2/ 1/61-1/31/91	Gov't. Land of Hoea-Kaao, Makai Tract, Hamakua	4-2-01 & 07	1,078.13	cane	7,077.76
S-3613	Laupahoehoe Sugar Company	2/ 1/61-1/31/91	Gov't. Lands at Humuula & Kahoahuna, North Hilo	3-9-01 & 02	1,176.07	cane	7,444.58
S-3614	Laupahoehoe Sugar Company	2/ 1/61-1/31/91	Niupea-Kealakaha Gov't. Tracts & Gov't. Land at Kaala	4-1-01, 02, 03 & 04	655.60	cane	4,464.29
S-3615	Laupahoehoe Sugar Company	2/ 1/61-1/31/91	Gov't. Lands of Okala-Manowaialee North Hilo, & Hamakua	3-9-01-02	1,368.44	cane	9,781.49
S-3616	Laupahoehoe Sugar Company	2/ 1/61-1/31/91	Kaiaakea Makai Gov't. Remainder, North Hilo	3-4-03	80.08	cane	580.99
S-3617	Honokaa Sugar Co.	2/ 1/61-1/31/91	Kaao-Paalaea Gov't. Tract, Hamakua	4-5-01	434.74	cane	3,075.88
S-3618	Body and Fender Repair, Inc.	2/ 6/61-2/ 5/2016	Lot 34, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.78	ind	1,015.00
S-3619	Mauna Kea Electric, Inc.	2/ 6/61-2/ 5/2016	Lot 39, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.32	ind	510.00
S-3620	Shoichi Muramoto, dba Mura's Repair Shop	2/ 6/61-2/ 5/2016	Lot 44, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.60	ind	1,165.00
S-3621	Seair Corporation	2/24/61-2/23/2016	Lot 32, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-49 & 50	.90	ind	1,170.00
S-3622	Satoru Amano dba Amano Fish Cake Factory	3/20/61-3/19/2016	Lot 27, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50	.32	ind	545.00
S-3624	Hawaiian Equipment Co., Ltd.	3/ 6/61-3/ 5/2016	Por. Gov't. Land of Waiakea South Hilo	2-1-12:26	4.50	ind	5,880.00
S-3631	A & A Hawaii, Inc.	3/20/61-3/19/2016	Lot 11, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50	.24	ind	410.00
S-3632	Hilo Draying Co., Ltd	3/20/61-3/19/2016	Lot 3, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50:74	1.56	ind	2,000.00
S-3653	Heiji Muneno dba Cabby's Union Service	3/20/61-3/19/2016	Lot 13, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50	.26	ind	540.00
S-3654	Kohala Sugar Co.	11/ 8/61-11/ 7/91	Por. of Bottom lands of Pololu Valley, Pololu, North Kohala	5-1-06	141.00	cane	325.00
S-3656	Richard Smart	8/11/61-8/10/81	Por. of Puukole-Koaeae Mauka Tract, North Kohala	5-7-01	168.59	past	2,550.00
S-3657	Richard Smart	8/11/61-8/10/81	Pohakuloa Mauka Gov't. Tract, Pohakuloa & Kalaha, 1st, North Kohala	5-8-02:3	191.35	past	750.00
S-3658	Richard Smart	8/11/61-8/10/81	Por. of Kapaa Makai Gov't. Lots, North Kohala	5-6-01	53.05	past	83.68
S-3659	Arthur Botelho	8/11/61-8/10/81	Por. Gov't Land in Kilau Gulch, Manowaiopae Homesteads, Kilau, North Hilo	3-6-01:3	27.30	past	61.00
S-3660	Katsumi Sakai dba K. Sakai Painting	3/20/61-3/19/2016	Lot 9, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50:77	.28	ind	468.00
S-3662	Mauna Kea Sugar Co., Ltd.	8/16/61-8/15/91	Piihonua, South Hilo	2-3-28, 29, 31, & 32	1,195.64 162.97 14.33	cane cane past	10,760.76 162.97 35.83
				2-5-09, 10 & 2-6-09	603.68	waste	60.37
S-3669	Seven Seas, Inc.	3/20/11-3/19/2016	Lot C, Hoolulu Business Lots, Waiakea, South Hilo	2-2-33:18	1,976.62 .69	bus	11,019.93 1,110.00
S-3670	Machida, Inc.	3/20/61-3/19/2016	Lot 30, Kanoelehuhua Industrial Lots, Waiakea, South Hilo	2-2-50	.35	ind	585.00
S-3688	Richard S. Miyashiro dba Cafe 100	3/20/61-1/14/2017	Por. Gov't. Land of Waiakea, South Hilo	2-2-29	.57	bus	1,800.00
S-3696	Hawaiian Telephone Company	1/26/62-1/25/83	Puumaille Home Site, Waiuli, Waiakea, South Hilo	2-1-13:8	1.00	r/w	30.00
S-3697	Hawaiian Telephone Company	1/26/62-1/25/83	Humuula, North Hilo	3-8-01	10.558	r/w	20.00
S-3698	Bank of Hawaii	1/26/62-1/25/2017	Lot 7, Resubdivision of Blk. 47, Waiakea, South Hilo	2-2-49	.687	bus	2,064.00
S-3716	Masaru Shindo, dba Hilo Soda Works	10/29/62-10/28/2017	Lot 1-A, Kanoelehuhua Industrial Lots, South Hilo	2-2-50	.56	bus	851.40

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S-3718	Hilo Auto Electric & Carburetor Service	6/28/63-6/27/2018	Lot 12, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50	.258	bus	587.00
S-3719	Hawaii Planters, Inc.	1/28/63-1/27/83	Hulunani, Kaunaloa & Ki, Puna (Parts A & B), Puna, Hawaii	1-2-01:6 & 7	648.62	past	150.00
S-3720	Carl Meyrr	1/28/63-1/27/83	Lots 374, 381 & Por. Lots 373, 379, 380, 382, Olaa Reservation Lots, Puna	1-8-10	227.73	past	575.00
S-3721	Raymond M. Kobayashi	11/30/62-11/29/72	Camp Sites 9 & 9-A, Waiakea Homesteads, 2nd Series, South Hilo	2-4-06:7	1.74	past	30.00
S-3722	Hawaii Baptist Convention	11/30/62-11/29/2017	Por. Lot 5-C, Waiakea Cane Lots, South Hilo	2-4-01	1.00	ele	780.00
S-3723	S.K., Oda, Limited	11/30/62-11/29/2017	Por. Gov't. Land of Waiakea (West Kalanikoa St. between, Kuawa & Kawelolani Sts., South Hilo)	2-2-32	1.934	ind	2,781.00
S-3729	Hubert S. Andrews, dba Andrews Trucking Service	8/23/63-8/22/2018	Lot 10, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50	.241	ind	572.00
S-3731	County of Hawaii Board of Water Supply	7/ 1/64-6/30/2029	Mountain View Water System, Land Site #1, Puna	1-8-08	.18	cty	Gratis
S-3732	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Kaumana (Kaumana Cave), Hilo	2-5-06:3 & 4		cty	Gratis
S-3738	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Pahoa (Pahoa Cave), Puna	1-5-08:1 1-5-09:9 1-5-10:3	.04	cty	Gratis
S-3739	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Malana (Mackenzie Cave), Puna	1-3-07:6		cty	Gratis
S-3742	Edward R., James R. Yasuo, Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	11/12/63-11/11/2018	Lots 8 to 13, inclusive, Waiakea Waiakea Industrial Lots, South Hilo	2-2-4-9	2.00	ind	4,425.00
S-3744	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Puuanahulu Cave, North Kona	7-1-03:1		cty	Gratis
S-3745	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Pigeon Cave, Puuanahulu Mauka, North Kona	7-1-04:1		cty	Gratis
S-3750	Jiro Tanaka, dba Tanaka Electrical Service	4/26/63-4/25/2018	Lot 8, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50	.272	bus	622.00
S-3751	County of Hawaii Hilo Hospital Complex & Allied Facilities	6/ 7/63-6/ 6/2028	Piihonua, South Hilo	2-3-27	22.453	cty	Gratis
S-3752	United States of America (U.S. Navy)	12/16/63-12/15/2018	Kamoa, Kau	9-3-01	21.296	fed	Gratis
S-3834	Board of Water Supply	4/24/64-4/23/2029	Under & across Por. of Hamakua Water Reserve, Ahualoa-Kaapahu-Pohakea Water System, Hamakua	4-5-11:1	.643	cty	Gratis
S-3836	Oda Orchids, Inc.	6/16/64-6/15/2019	Waiakea, north corner of Kilauea St. & Volcano Rd., South Hilo	2-2-48:1	7.855	bus	565.56
S-3837	Hongo Nursery, Inc.	6/16/64-6/15/2019	Lot 18, Blk. 601, Waiakea, Homesteads 1st Series, South Hilo	2-2-44:4	10.00	bus	438.00
S-3839	United States of America (Army)	4/10/64-4/ 9/74	Tract A, Hilo Breakwater Project, South Hilo		2.60	fed	Gratis
S-3844	University of Hawaii	7/24/64-7/23/2029	Hamakua experiment farm, Kaohe	4-3-10	185.00	agr	Gratis
S-3849	U.S.A. (Army)	8/17/64-8/16/2029	Pohakuloa Training Area	3-8-01:13	22,971.00	fed	Gratis
S-3853	U.S.A. (Army)	8/21/64-8/20/2029	Pohakuloa Water Lic. Eas.	4-4-16: por. 01		fed	Gratis
S-3855	County of Hawaii	10-11-63-10/10/2028	Kukuau 2nd & Waiakea, South Hilo	2-2-06, 11, 12, 31, & 32	2.00	cty	Gratis
S-3865	County of Hawaii Board of Water Supply	8/28/64-8/27/2029	Utility easements at Panaewa, South Hilo	2-2-48	.18	cty	Gratis
S-3867	Manuel Sousa	10-28-64-10/27/84	Lot 1-A, Paauilo-Pohakea Reserve Lots	4-3-15:1	4.54	past	45.00

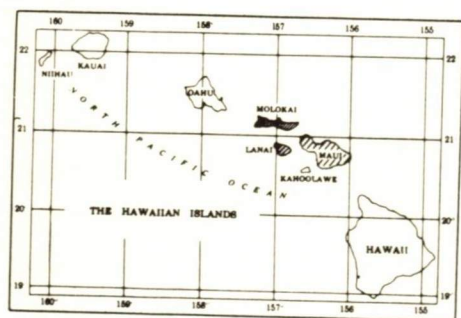
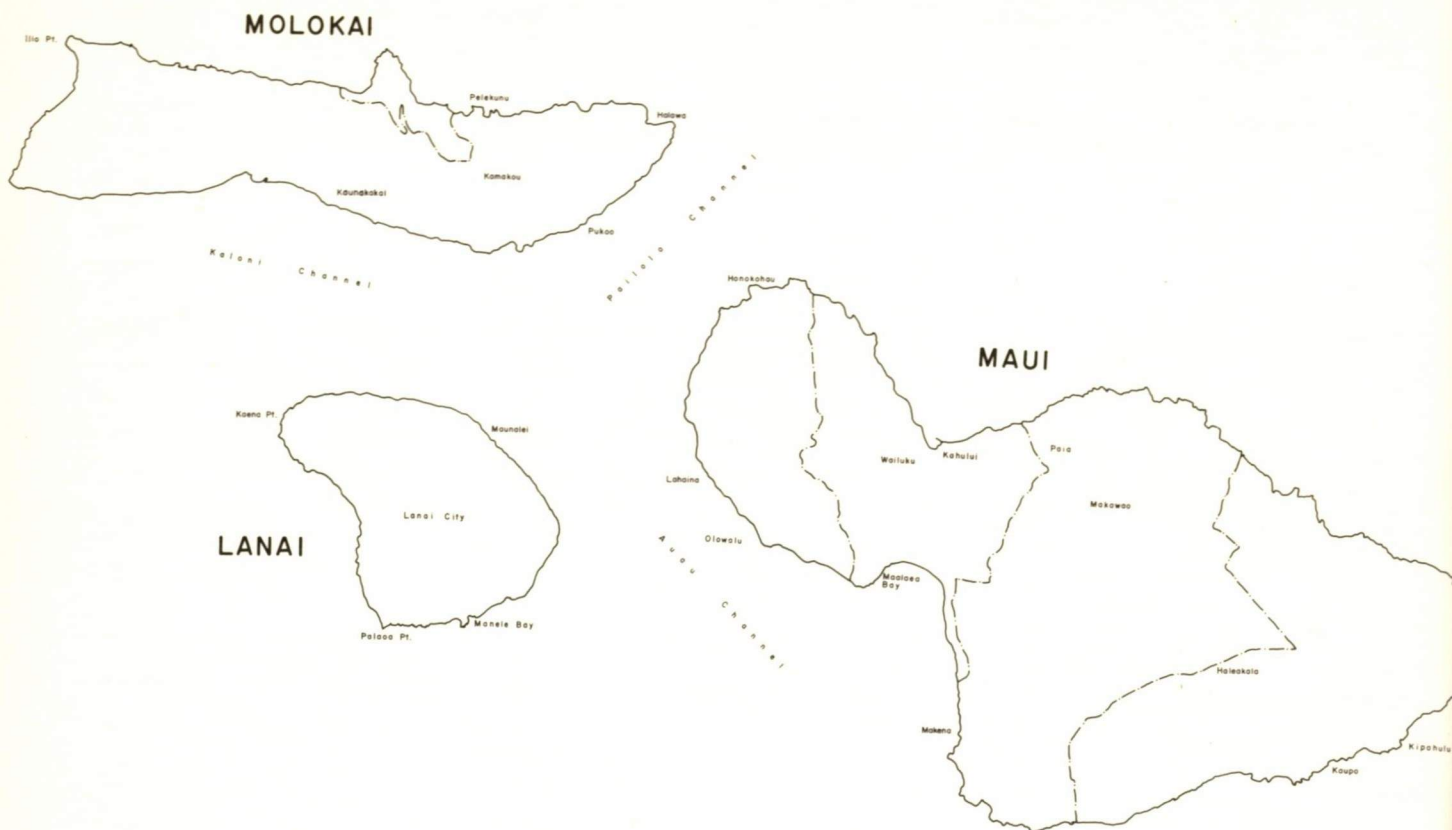
Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3868	Kahua Ranch, Ltd.	10/28/64-10/27/84	Makiloa Gov't Tract North Kohala	5-9-02:6	138.00	past	605.00
S-3839	Koei Ishimine	12/26/64-12/25/84	Lot 8, Puuepa-Kokoiki Homesteads, North Kohala	6-5-04:5	7.98	cane	120.00
S-3870	William E. Ontai	10/28/64-10/27/94	Lots 2, 3, 5, Papa Homesteads, South Kona	8-8-04:7, 6 & 4	21.18	agr	180.00
S-3872	Waimanu, Inc.	1/23/65-1/22/95	North Kohala	5-2-08: por 3	3.700	rec	900.00
S-3875	Feed-Well Inc.	8/12/66-8/11/2021	Kahema Street, Hilo	2-2-50	.689	ind	1,800.00
S-3886	Palekoki Ranch, Inc.	1/20/65-1/19/85	Por. of Lands of Lalamilo, Ouli & Waiakea 1, Waimaea, South Kohala	6-6-01	9,154.00	past	3,900.00
S-3887	Hilo Electric Light Co., Ltd.	1/20/65-1/19/95	Por. of H.H.L. of Humuula, North Hilo	3-8-01	6.853	r/w	180.00
S-3888	Hawaiian Telephone Company	1/20/65-1/19/2030	Lots 15 & 16, Blk. 39, Waiakea House Lots, South Hilo	2-2-37:63	.896	ind	2,130.00
S-3908	Orchid Isle Hotel Co	4/12/65-4/11/2030	Lot 13, Ocean View Lots, Waiakea, South Hilo	2-1-05	2.319	bus	15,000.00
S-3909	Alfred A. Silva	4/12/65-4/11/85	Lot 15-B, Kaauhuhu Homesteads, North Kohala	5-5-01:45	6.41	agr	96.00
S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea South Hilo	2-2-48	.204	cty	Gratis
S-3925	Hilo Electric Light Co., Ltd.	8/27/65-8/26/2030	Lot 16, Kanoelehua Industrial Lots, South Hilo	2-2-47 & 49	4.00	r/w	7,566.00
S-3927	Hilo Electric Light Co., Ltd.	9/24/65-9/23/95	Por. of Gov't. Land of Kaohe, Hamakua	4-4-16	.88	bus	120.00
S-3930	William Thompson	10/18/65-10/17/85	Por. of Gov't. Land of Kalama 4, 5, Kahauola 1, South Kona	8-2-07, 08	12.911	past	75.00
S-3931	Rudy Hirota	10/18/65-10/17/85	Lot 1317, Waiakea Homesteads, 3rd Series, South Hilo	2-4-06:13	66.55	past	195.00
S-3932	Paaupau Sugar Co.	10/18/65-10/17/85	Por. of Kalopa Homesteads, Hamakua	4-4-03:25	0.73	agr	25.00
S-3933	Roman Catholic Bishop of Honolulu	10/18/65-10/17/2030	Lots 116 & 117, Puako Beach Lots, Lalamilo, Waimea South Kohala	6-9-05:19	.643	ele	334.00
S-3934	Hubert M. Spivey	10/18/65-10/17/85	Por. of Waiakea Pasture lands	2-4-04:12 13, por. 21, 22	119.624	past	360.00
S-3955	Roy S. & Martha S. Nagakura	10/18/65-10/17/2020	Lot 13, Waiakea House Lots, 1st Series, South Hilo	2-2-37	.30	bus	420.00
S-3938	Frank De Luz, Jr. & Virginia De Luz	11/ 8/65-11/ 7/85	Por. of Kapualei Gov't Remainder Kapualei, Hamakua	4-3-06 & 4-3-14:1	33.62	past	685.00
S-3948	Hamakua Mill Co.	12/20/65-12/19/90	Por. of Gov't. Land of Hauola, Hamakua	4-3-03	160.02	agr	2,330.00
S-3949	Hawaiian Greenhouse, Inc.	12/20/65-12/19/2000	Keonepoko Homesteads, Pahoa	1-5-07:17	19.40	agr	639.10
S-3950	Kulana Foods, Ltd.	12/20/65-12/19/2000	Lot 820, Waiakea Homesteads, South Hilo	2-4-03:10 & 11	41.20	past	180.00
S-3954	Tokio Miyashiro	11/24/65-11/23/2020	Lot 16, Panaewa Farm Lots, 2nd Series, South Hilo	2-4-08	10.097	agr	485.00
S-3961	Melsan, Ltd.	4/15/66-4/14/2031	Por. of Gov't (Crown) Land of Waiakea Peninsula, South Hilo	2-1-03, 04, & 05	5.00	bus	32,670.00
S-3962	Eaton Magoon, Jr.	4/15/66-4/14/96	Lots 1 & 2 Haukalua Homesteads 2nd, South Kona	8-7-05:3 & 5	14.19	agr	165.00
S-3966	Transportation Dept., U.S. Coast Guard	4/15/66-4/14/2031	Hoopuloa, South Kona	8-9-04	1.19	fed	Gratis
S-3999	Divaco Cooperative	8/16/66-8/15/2021	Lots 8 & 9, Hilo Industrial Development, Pohaku St. Section, Waiakea, South Hilo	2-2-47	.918	ind	2,184.00
S-4000	Kohala Sugar Co.	8/19/66-8/18/2031	Government Land at Nuuepa 2 & Kokoiki, N. Kohala	5-5-05:1	.192	r/w	10.00
S-4001	W.H. Greenwell, Ltd.	8/16/66-8/15/91	Onouli 2nd Government Tract, South Kona	8-1-06	423.00	past	625.00
S-4002	Hamakua Mill Co.	8/16/66-8/15/91	Parcel A, Pohakuhaku-Kemau Government Remnants; Parcels B, C, D, E, & F, Opihilala-Kapualei Government Remnants; Government Remainder Kemau II	4-3-04, 05-06-07-08 09-11	168.111 52.891 221.002	cane waste	3,040.00

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S-4003	Yee Hop, Ltd.	8/16/66-8/15/91	Nakai Tract; Kaohe Government Remainder Kaohe I; Lot 21-A, Pohakea Homestead, Makai Section, Opihilala & Paauilo, Hamakua Government Tract of Kipahoe, Olelomoana 2nd, Opihiali 1, por. Kaohe 5 to Kolo & por. of Kaohe 4, S. Kona	8-7-01 & 12:8-8-01	1,270.00	past	3,150.00
S-4004	Christ Lutheran Church	8/16/66-8/15/2031	Portion of Gov't. Land of Waiakea, S. Hilo	2-4-01	3.101	ele	1,214.00
S-4005	John J. Andrade & Josephine Andrade	8/16/66-8/15/91	Lot 11, Ahualoa Reserve Remnants, Ahualoa Homesteads, Ahualoa	4-5-11:6	13.496	past	91.00
S-4006	Merrill & Mary Jane Toledo	8/16/66-8/15/86	Portion of Gov't. Land of Waipio Valley, Hamakua		11.600	agr	200.00
S-4012	United States of America	1/ 3/66-1/ 2/2013	Upper Waiakea, S. Hilo & Olaa, Puna	1-8-12, 2-4-08	1,144.920	fed	Gratis
S-4018	First United Protestant Church of Hilo	10/ 6/66-10/ 5/2031	Lot 1, Portion of Gov't. Land Piihonua, S. Hilo	2-3-27	3.572	ele	1,396.00
S-4019	Seven Seas, Inc.	10/ 6/66-3/19/2016	Lots A & B, Hoolulu Business Lts., Waiakea, S. Hilo	2-2-33	1.184	bus	2,602.00
S-4020	U.S.A. (Army)	8/16/66-8/15/71	Makuu, Puna, Hawaii	1-5-12	33.060	fed	Gratis
S-4024	George Freitas Dairy Inc.	11/29/66-11/28/91	Puuepa 2-Kokoiki Gov't Tract, N. Kohala	5-5-05	74.340	past	1,200.00
S-4025	Palani Ranch Co., Inc.	11/29/66-11/28/91	Honuaula Tract No. 2, Honuaula, N. Kona	7-4-01:3	1,608.500	past	2,800.00
S-4026	Haunani Enterprise Corp.	11/29/66-11/28/2001	Lot 17, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo	2-4-08	10.579	agr	510.00
S-4029	County of Hawaii	4/13/67-4/12/2032	Kealakehe, N. Kona	7-4-08	34.688	cty	Gratis
S-4097	Shell Oil Company	3/31/67-3/30/2032	Por. Gov't. land of Waiakea, S. Hilo	2-1-09:07 & 31	.13	r/w	167.00
S-4098	Yoshito Iwamoto	3/31/67-3/30/2032	Portion of Waiohinu Gov't., Remnants at Waiohinu, Kau	9-5-02:40	.437	r/w	10.00
S-4099	Richard Smart	3/31/67-3/20/2032	Across Portion of Kamuela Airport	6-7-01	.006	r/w	1.00
S-4102	Kilauea Council, Boy Scouts of America	4/15/66-4/14/2021	Honokaia, Hamakua	4-6-11	238.00	rec	150.00
S-4105	James H. & Mabel M. Davis	9/ 6/67-9/ 5/2032	Puukapu, Waimea	6-4-01	.005	r/w	5.00
S-4107	Honokaa Sugar Co.	9/ 6/67-9/ 5/92	Lauka-Kulihai, Hamakua	4-6-01	117.98	agr	1,020.00
S-4108	Honokaa Sugar Co.	9/ 6/67-9/ 5/92	Hanapai, Hamakua	4-7-04	43.55	agr	451.00
S-4109	Honokaa Sugar Co.	9/ 6/67-9/ 8/92	Hamakua	4-6-02	160.870	agr	1,861.00
S-4130	Hawaiian Telephone Co.	1/ 1/68-12/31/2022	North Hilo	3-9-02	1.047	ind	36.00
S-4137	Frank L. Moniz III	1/11/88	Kaauhuhu, N. Kohala	5-5-01:15	5.640	agr.	100.00
S-4138	Hale Nani Flower, Incl.	1/11/2025	Waiakea, S. Hilo	2-4-08	10.008	agr	552.00
S-4139	Honolulu Gas Co., Ltd.	4/14/67-4/13/97	Hilo	2-2-27	.230	ind	510.00
S-4141	Signal Properties, Inc.	2/22/93	South Kohala	6-9-01	775.083	agr	10,000.00
S-4191	University of Hawaii	6/ 1/68-12/31/2033	Kaohe, Hamakua	4-4-15	13,321.050	State	Gratis
S-4196	University of Hawaii	4/26/68-4/25/2033	South Kohala	6-4-03	196.414	agr	1.00
S-4201	Norona, Incorporated	9/26/68-9/25/2023	Waiakea, S. Hilo	2-2-58	.470	ind	1,600.00
S-4202	Hiroshi Matsuyama	9/26/68-9/25/93	Keopu No. 2, N. Kona	7-5-01:22	17.49	past	60.00
S-4203	Richard Smart	1/ 1/68-12/31/2033	S. Kohala		.150	r/w	720.00
S-4204	Masaru Akahoshi	9/26/68-9/25/78	Hilo	6-2-01:15	.149	r/w	90.00
S-4205	Shinobu Oshima	9/26/68-9/25/2023	Waiakea, S. Hilo	2-4-08	60.00	agr	3,312.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4206	Sun Sun Lau	9/26/68-9/25/2033	Waiakea, S. Hilo	2-2-18	.06	r/w	24.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68-2/28/2021	N. Kona	7-5-09	.01	r/w	867.00
S-4224	Richard Smart	2/ 7/69-2/ 6/94	N. Kohala	5-8-02	23.80	past	96.00
S-4225	Mitsuo & Yaeko Kitagawa	2/ 7/69-2/ 6/2024	Waialea, S. Hilo	2-4-49:11	10.02	agr	576.00
S-4226	Joseph Chang, Sr.	2/ 7/69-2/ 6/89	Kokoiki, N. Kohala	5-5-04:51 & 52	4.934	agr	45.00
S-4227	Island Holidays, Ltd.	2/ 7/69-2/ 6/2034	Kahaluu, N. Kona	7-8-13	.13	r/w	128.24
S-4234	University of Hawaii	12/15/67-12/14/2032	Olaa, Puna	2-4-08	.01	r/w	Gratis
S-4235	University of Hawaii	4/11/69-4/10/2034	Humuula, N. Hilo	3-8-01	.06	r/w	Gratis
S-4237	C. Brewer & Co., Ltd.	4/15/69-4/14/84	Kaalualu, Kiolakaa, Kau	9-4-01:15, 16	9.58	agr	11,100.00
S-4238	Yeishun & Akiko Gusukuma	6/12/69-6/11/89	Piha, N. Hilo	3-2-02:29	2.19	agr	180.00
S-4239	Palani Ranch Co., Inc.	4/15/69-4/14/94	Kealakehe, N. Kona	7-4-02:7	1,232.000	past	2,500.00
S-4246	Sim Wenner	8/ 9/69-8/ 8/94	Moeauoa I Gov't. Remainder, Moeauoa I, N. Kona	7-5-01:19	6.890	past	55.00
S-4247	Kahua Ranch, Ltd.	7/11/69-7/10/94	Pahinahina-Kiikalani Gov't. tract, Section 1, N. Kohala	5-9-01: Por. 4 5-9-03: por. 1 & 2 5-9-04:8 & por. 1, 7, & 11	5,865.00	past	3,930.00
S-4248	Margaret Cobey Black	7/11/69-7/10/99	Kokoiki, N. Kohala	5-5-05	.052	r/w	60.00
S-4249	Bank of Hawaii	7/11/69-7/10/2034	Honuaula, N. Kona	7-5-07: por. 58	.047	r/w	11.18
S-4251	Woodrow Miller	9/12/69-9/11/94	Lot 14, Puuanahulu Homestead, N. Kona	7-1-05:5	8.199	agr	620.00
S-4252	Hilo Bay Hotel, Inc.	8/14/69-3/14/2015	Lot B, Banyan Dr., Waiakea Peninsula, Hilo	2-1-05	0.215	bus	590.00
S-4253	Inter-Island Resorts, Ltd.	8/14/69-3/14/2015	Lot A, Banyan Dr., S. Hilo	2-1-05	1.054	bus	3,300.00
S-4260	Hutchinson Sugar Co., Ltd.	9/29/69-9/28/2004	Hionaa & Kaalaiki, Kau	9-7-01	1,791.489	cane	7,150.00
S-4261	Hawaiian Agricultural Co.	9/29/69-9/28/2004	Kapapala & Kaalaala, Kau	9-7-01:01	539.562	cane	2,150.00
S-4262	Hutchinson Sugar Co., Ltd.	9/29/69-9/28/94	Waiohinu, Kau	9-5-05:3, 2 & 1 8-5-03:46	378.780	cane	4,972.00
S-4263	Hawaiian Agricultural Co.	9/29/69-9/28/94	Kapapala, Kau	9-8-01:6	291.130	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	r/w	147.00
S-4279	Koichi Soga & Ryoko Soga	1/20/70-1/19/95	Parcel A, Por. Nanawale Forest Res. Kaniahiku, Puna	1-4-34	3.008	agr	Full term 160.00
S-4280	Kinji & Tsuneyo Uyeda	1/20/70-1/19/95	Parcel B & Rd. easement; por. Nanawale For. Res., & Parcel 3, Kaniahiku Puna	1-4-34	2,000	agr	100.00
S-4281	Richard Smart	1/20/70-1/19/95	Parcel A & B Puukole-Paoo Gov't. Tract, N. Kohala	5-7-01:4 & 10	2,464.290	past	4,500.00
S-4282	Hutchinson Sugar Co., Ltd.	1/20/70-1/19/95	Hionaa-Kaalaiki Gov't. Tract Kau	9-5-5:3	2,197.290	cane	27,104.00
S-4283	Kapalama Commerical Center	1/20/70-1/19/2010	Lot 13, Hilo, Ind. Dev., Pohaku St. Secl, Waiakea, S. Hilo	2-2-58:25	.439	ind	1,600.00
S-4284	Kapalama Commercial Center	1/20/70-1/19/2025	Lot 8, Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo	2-2-37	.826	ind	4,860.00
S-4285	Honokaa Sugar Co.	1/20/70-1/19/95	Parcel A & B, Honokaia Makai Tract, Hamakua	4-6-03 & 04	666.449	cane	9,050.00
S-4286	Koshi Miyasaki	1/20/70-1/19/85	Keanakolu Orchard-Arboretum, Humuula, N. Hilo	3-7-01	39.308	agr	1,105.00
S-4287	Antone Texeira & Helen Texeira	1/29/70-1/19/2025	Easement-Pohakuhaku & Kemau, Hamakua	4-3-06	.330	r/w	60.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4288	Honolulu Gas Company, Ltd.	5/ 7/69- 5/ 6/2024	Kealakehe, N. Kona	7-4-08: por. 16 & 17	.354	r/w	430.00
S-4299	Ah Chun Lee	5/12/70- 5/11/1995	Por. of Gov't land of Makena & Lot 7 of Kaimu-Kiula Hmst. Makena & Kaimu, Puna	1-2-06	378.131	past	350.00
S-4300	Commercial Capital Corp.	5/12/70- 5/11/2025	Lot 1-A of Hilo Ind. Devl, Pohaku St. Sec. Waiakea, S. Hilo	2-2-47	1.435	ind	8,000.00
S-4301	K. Kobata & Sons, Inc.	5/12/70- 5/30/2022	Par B.S. Side of Kam Ave. betwn. Kalanikoa St. & Waieka, S. Hilo/ Land Grt. Appl. 1651	2-2-32	.582	bus	1,600.00
S-4302	Robert M. Yamada et al dba Yamada Transfer	5/12/70- 5/11/2025	Por. of Gov't Land of Waiakea, Lot A, Block 40, Waiakea Hse lots & Gov't Remnant at Waiakea, S. Hilo	2-2-37	4.823	ind	16,385.00
S-4303	Kwiki Pacific, Ltd.	5/12/70- 5/11/2025	Lot 5, Blk. 48, Waiakea Hse Lots Extension, Waiakea, S. Hilo	2-2-58	.608	ind	6,100.00
S-4306	Hacker and Scheiderich	6/30/70- 6/29/2010	Lot 2, Hilo Ind. Dev. Pohaku, St. Sect. Waiakea, S. Hilo	2-2-58	.331	ind	1,125.00
S-4307	Quality Sheetmetal Co., Ltd.	6/23/70- 6/22/2010	Lot 3, Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58	.278	ind	980.00
S-4308	L.H. Nishimoto Plumbing Contractor, Inc.	6/23/70- 6/22/2010	Lot 4 Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58:2	.551	ind	1,350.00
S-4309	The Investment Corp.	6/23/70- 6/22/2010	Lot 6, Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58	.439	ind	1,620.00
S-4310	Big Island Builders Inc.	6/30/70- 6/29/2010	Lot 7, Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58	.459	ind	1,620.00
S-4311	Industrial Steel Corporation	6/23/70- 6/22/2010	Lots 10 & 11, Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58	.877	ind	3,100.00
S-4312	Hacker and Scheiderich	6/30/70- 6/29/2010	Lot 12, Hilo Ind. Dev. Pohaku St. Sect. Waiakea, S. Hilo	2-2-58:26	.439	ind	1,550.00
S-4313	Yamada & Sons, Inc.	6/23/70- 6/23/70-	Lot 14, Hilo Ind. Dev. Pohaku St.	2-2-58:24	.256	ind	920.00
S-4314	Yamada Transfer	6/23/70- 6/22/2010	Lot 15, Hilo Ind. Dev. Pohaku St. SOect. Waiakea, S. Hilo	2-2-58	.273	ind	930.00
S-4315	Hawaii Planters, Inc.	6/23/70- 6/22/1995	Kalapana-Kupahua, Puna	1-2-32:23	.219	ind	400.00
S-4316	ALFLO RONCO Development, Inc.	6/23/70- 6/22/2025	Waiakea Golf Course Waiakea, S. Hilo	2-1-01, 02 04, 05, 06	63.248	bus	5,500.00
S-4317	Hisato Ogata & Tsuyako Ogata	6/30/70- 6/29/2025	Easement-Waiakea	2-4-33	.045	r/w	550.00
S-4319	Kinoole	2/02/71- 1/31/2046	Por. Gov't. Land at Waiakea	2-4-25:01	1.026	Full term ele	1.00
S-4320	Hawaiian Telephone Co.	1/01/70- 12/31/2035	Halai Hill, Hilo	2-3-22: por. 37	.321	r/w	73.00
S-4322	Hilo Electric Light Co., Ltd.	11/12/70- 12/31/2035	Waiakea, S. Hilo	2-3-22: por. 37	.013	r/w	118.00
S-4323	C. Brewer and Co., Ltd.	11/10/70- 11/09/2035	Waiakea, South Hilo	2-1-10:33	3.706	ind	15,500.00
S-4330	H.P.I., Inc.	4/16/71- 4/15/2026	Lot 3, Hilo Ind. Dev.	2-2-37	.413	ind	2,808.00
S-4331	JBL Hawaii, Ltd.	4/16/71- 4/15/2026	Lot 6, Hilo Ind. Dev.	2-2-37	.517	ind	1,950.00
S-4332	JBL Hawaii, Ltd.	4/16/71- 4/15/2026	Lot 7, Hilo Ind. Dev.	2-2-37	.547	ind	1,950.00
S-4334	Hawaii United Resources, Inc.	4/16/71- 4/15/1996	Lot 10, Panaewa Farm lots	2-4-49:24	10.231	agr	900.00
S-4335	Tapley P. Jordan, Jr.	4/16/71- 4/15/1991	Lots 5 & 6, Olelomoana Hmstds., South Kona	8-7-13:10	40.60	agr	1,150.00
S-4336	Solomon Thompson	4/16/71- 4/15/1991	Lots 8, 10, 11, 12 & 13, Haukalua Hmstds.	8-7-04:05, 07, 08, 09 & 10	28.15	past	475.00
S-5000	Tsugio Sakata	3/31/67- 3/30/2022	Por. of Gov't. Land of Waimea, S. Kohala	6-5-04	.012	r/w	11.00
S-5001	K. Kubota & Sons, Inc.	3/31/67- 3/30/2022	Parcel A, Waiakea, South Hilo	2-2-32	1.000	bus	4,262.00
S-5002	Aiea Dairy, Ltd.	3/31/67- 3/30/92	Lot 88, Kaapahu Hmstds., Mauka Section, Hamakua	4-4-13:11	20.500	past	250.00
S-5003	Rudy & Ann Hirota	3/31/67- 3/30/92	Lots 1417 & 1516, Waiakea Hmstds. 3 Series, South Hilo	2-4-06	68.670	past	330.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-5004	Sueichi & Yoshiko Kawashima	3/31/67-3/30/92	Lot 5A, Paauiilo 2nd Series Hmstds., Hamakua	4-3-15:10	3.04	agr	46.00
S-5005	Marjory Corley	3/31/67-3/20/2002	Keonepoko-Nui, Puna	1-5-08	5.000	agr	65.00
S-5015	Motoshi Sako	5/19/67-5/18/2002	Por. of Gov't. Land of Olaa, Puna	1-7-01	.466	bus	485.00
S-5017	Mary K. Phillips	5/19/67-5/18/2032	Por. of Gov't. Land of Lalamilo, Waimea, South Kohala	6-6-04	.033	r/w	22.00
S-5018	Nalei, Inc.	5/19/67-5/18/2032	Lots 11 and 11-A, Ocean View Lots, Waiakea, South Hilo	2-1-05	1.090	bus	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Surface waters from State-owned Watersheds at Hamakua & N. Kohala	6-3-02:04 & 05	5,845.00	wtr	8,000.00
S-5020	Kohala Sugar Co.	5/19/67-5/18/1992	Awalua-Haena Gov't. Tract at N. Kohala	5-6-01	185.550 8.800 14.480 <u>22.250</u> 231.080	cane r/w waste past	1,923.00



SECOND LAND DISTRICT

*Islands of Maui, Molokai
and Lanai*

GENERAL LEASES—SUMMARY, SECOND LAND DISTRICT, June 30, 1971

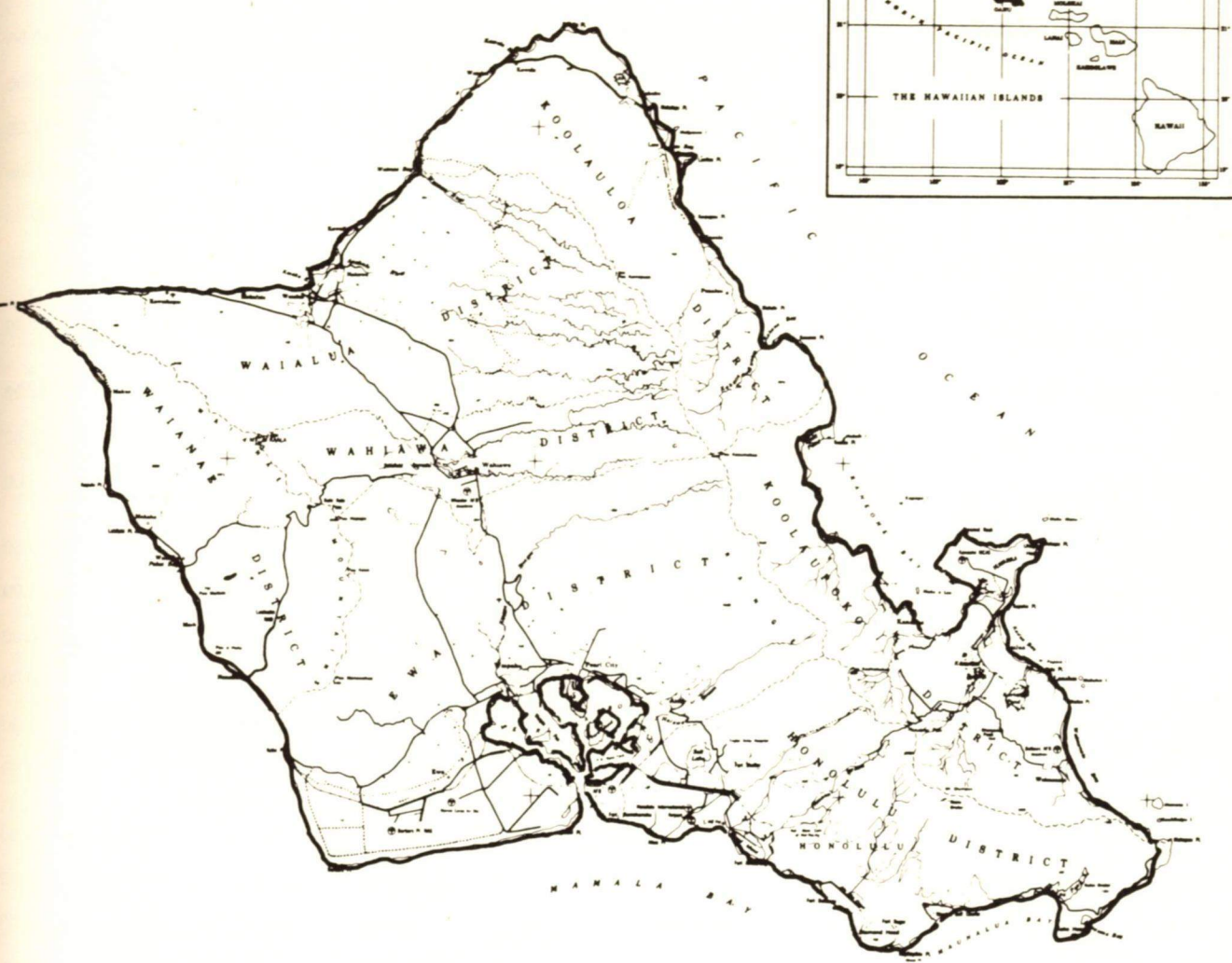
Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	890.109	\$ 9,356.00	21
Business	108.137	16,414.27	3
Cane	5,971.284	96,645.21	7
County	1.970	Gratis	3
Eleemosynary	51.683	510.00	6
Federal	8,325.711	Gratis	4
Fishpond			
Industrial	1.262	1,800.00	2
Pasture	19,280.416	34,443.06	46
Pineapple			
Recreational	7.742	150.00	1
Residential	13.107	2,397.00	6
Right of way	25.834	3,470.00	9
Waste	128.134		3
Water licenses, etc.	3,381.000	74,540.00	3
TOTALS	38,186.389	\$239,725.54	96

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3299	Pioneer Mill Co., Ltd.	1/ 1/50-12/31/71	Section A & B Portions of Gov't lands of Olowalu & Ukumehame, Lahaina		1,561.465	past	1,600.00
3394	Kaupo Ranch, Ltd.	1/14/52-1/13/73	Por. of Gov't. Lands of Pualaea Kaniaula & Kalepa, Kaupo	1-7-01:31 & 33	361.400	past	325.00
3396	Maui Factors, Inc.	1/14/52-1/13/73	Por. of Gov't. Land of Ukumehame, Maui	3-6-01	4,858.431	past	6,740.00
3397	Alfred Ferreira	1/14/52-1/13/73	Lot 0, Nahiku Homesteads, Koolau	1-2-2:35	7.350	past	15.00
3398	Exporters, Limited	1/14/52-1/13/73	Par. 7 & 15, Kapohue & Puuiki Hana	1-5-3:7 & 19	1.840	past	12.00
3400	Valentine Redo	1/14/52-1/13/73	Portion Gov't. Land of Wakiu, Hana	1-3-04:11 & 12	731.250	past	913.06
3401	Anthony Tam	1/14/52-1/13/73	Por. of Gov't. Land of Honokalani, Hana	1-3-5:2 & 4	175.000	past	101.00
3403	Henry M. Bush	1/14/52-1/13/73	Parts 1, 2, 3, & 4 of Lot 1, Ualapue Lots	5-6-02:27 5-6-01:3, 4 & 6	2.710	past	30.00
3404	Hiroshi Takatani	1/14/52-1/13/73	Por. of Gov't. Land of Maluaka, Honuaula, Makawao	2-1-06:39	2.000	agr	16.00
3405	Roy I. Akiyama & Ralph H. Iwamoto	1/14/52-1/13/73	Gov't. Lands at Pukoo 3, Molokai	5-7-7:42	9.410	res	100.00
3406	West Maui Athletic Assn.	1/14/52-1/13/73	Gov't. Remnant off Front St., at Pakala, Lahaina	4-6-7:8	.200	ele	20.00
3411	Pioneer Mill Co., Ltd.	1/14/52-1/13/73	Por. of Gov't. Land at Olowalu, Lahaina	4-8-1:8		r/w	100.00
3488	Tatsuo Suehiro	6/28/54-6/27/75	Lot B, Alamihi, Lahaina	4-5-05:16	.145	agr	16.00
3489	Manuel Souza et al Tr. for Apostolic Church of Honolulu	6/28/54-6/27/75	Lot A, Alamihi, Lahaina	4-5-05:17	.26	ele	26.00
3495	Joseph Young	6/28/54-6/27/75	Lot 36, Wailua Homesteads, Koolau	1-1-05:36	1.80	agr	44.00
3496	Margaret M. Rossi	6/28/54-6/27/75	Lots 3 & 3-A Keanae Homesteads Keanae	1-1-3:69	1.770	past	24.00
3497	John Emmsley	6/28/54-6/27/75	Gov't. Land of East Papaaea, Hamakualoa	2-9-13:12 & 4	50.56	past	40.00
3498	John Pacheco Tavares	6/28/54-6/27/75	Gov't. remnant in W. Hanawana, Hamakualoa	2-9-10:22 2-9-11:8	31.47	past	40.00
3499	Joseph & Williet E. Range	6/28/54-6/27/75	Gov't. remnant in W. Papaaea, Hamakualoa	2-9-13:14	79.10	past	100.00
3500	Ah Chow Atai	6/28/54-6/27/75	Lots 5 & 5-A, Honomanu Homesteads, Koolau	1-1-01:45 & 46	4.44	past	24.00
3501	Mrs. Pearl Friel	6/28/54-6/27/75	Por. Gov't. Land of East Ohia	5-6-06:18	56.44	past	50.00
3505	East Maui Irrigation Co., Limited	7/ 1/55-6/30/76	Nahiku Water License Hana & Makawao	1-2-4-7		wtr	9,020.00
3513	Henry M. Bush	4/25/55-4/24/76	Lots 1, 2, 3, & 4 Ualapue Pasture Lots, Ualapue	5-6-02:24 26 & por. 25	21.550	past	126.00
3514	Hana Ranch Co., Ltd.	4/25/55-4/24/76	Lots 1 & 2 Papaauhau Remnants	1-4-03:7 & 8	26.07	past	78.00
3515	Frank Tavares Pacheco	4/25/55-4/24/76	Por. Gov't. Remnant in Hanehoi Hamakualoa	2-9-10:12 & 13	52.65	past	175.00
3535	Maui Electric Co., Ltd.	1/16/56-1/15/77	Por. Gov't. Land of Waiakoa and Papaanui	2-3-05	4.762	r/w	24.00
3536	Hawaiian Broadcasting System Ltd.	3/ 1/56-2/28/77	Kolekole Hill, Papaanui, together with easement, Makawao	2-2-07:9	2.57	bus	96.00
3537	Wailuku Sugar Co.	1/16/56-1/15/77	Por. of Land of Kahakuloa, Kaanapali	3-1-06:3	136.40	past	300.00
L-3578	East Maui Irrigation Companu, Ltd.	7/ 1/60-6/30/81	Huelo License, Hamakuapoko			wtr	50,010.00
3588	Pioneer Mill Co., Ltd.	1/ 1/60-12/31/89	Honokowai, Lahaina	4-4	1,124.600	cane	20,834.21
S-3636	Samuel & Mary Kaauamo	4/14/61-4/13/76	Gov't Remnant within Wailua-Homestead Tract, Wailua (Koolau)	1-1-04:28	1.25	agr	25.00
S-3637	Hana Ranch, Inc.	4/14/61-4/13/91	Por. of Gov't. Land of Kawaipapa, including Loko Waiohonu, Hana	1-3-07:1	.600	Res.	137.00
S-3638	Maui Land Pineapple Co., Ltd.	4/14/61-4/13/81	Honokowai Mauka Gov't Tract, Tract, Kaanapali, Lahaina	4-4-04:9	157.94	agr	3,800.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3640	Ulupalakua Ranch, Inc.	4/28/61-4/27/82	Lot 40, Nahiku Homesteads, Koolau	1-2-01:10	45.40	past	45.00
S-3681	Maui Land Pineapple Ltd.	1/12/62-1/11/82	Por. of Gov't. Land of Napili 4 & on Honoapiilani Hwy., Lahaina	4-3-01	239.04	agr	1,642.00
S-3682	Haleakala Ranch Co.	1/12/62-1/11/82	Por. of Gov't Haleakala Tract Makawao, Hamakuapoko	2-4-16:1	150.70	past	1,650.00
S-3683	Frank Cuelho, Jr., Philip R. Perry & Eugene K. Duvauchelle	3/12/62-3/11/82	Por. of Land of Pukoo, Molokai	5-7-05:26	142.89	past	300.00
S-3684	Maui County Council, Inc., Boy Scouts of America	1/12/62-1/11/82	Lots 12-A, 12-B1, Kahakuloa, Homesteads, Wailuku (Kaanapali)	3-1-01:29	47.68	ele	60.00
S-3685	Wailuku Sugar Co.	1/12/62-1/11/82	Lot 12-B-2, Kahakuloa Homesteads Wailuku (Kaanapali)	3-1-01:1	194.51	past	1,825.00
S-3687	Wailuku Sugar Co.	1/12/62-1/11/82	Por. of Ili of Kou situate on main Gov't Road at Waiehu, Wailuku	3-2-13:8	12.48	cane	735.00
S-3695	East Maui Irrigation Company, Ltd.	7/ 1/62-6/30/86	Honomanu Water License, Koolau		3,381.000	wtr	15,510.00
S-3699	John M. Dee Souza	5/17/62-5/16/82	Gov't. Land Koolau, Hana	1-1-01:31	66.000	past	120.00
S-3700	Ulupalakua Ranch, Inc.	3/19/62-3/18/82	Gov't Land of Honuaula, Kanaio & Kaunuaahano, Kalo'i Gov't. Tract, incl. Lots 1-17, incl. of Kanaio Homesteads, Honuaula	2-1-02, 03 & 04	8,370.000	past	5,000.00
S-3701	Haleakala Ranch Co.	3/19/62-3/18/82	Por. of Nakula Mauka Gov't. Tract, Kaupo & Kahikinui	1-8: por. 5 1-9: por. 8	423.200	past	3,714.00
S-3714	County of Maui & U.S.A. (Civil Defense)	11/15/62-11/14/82	Abandoned shop building at Firebreak Rd., Puunene Airport	3-8-08	962.73	fed	Gratis
S-3717	West Maui AJA Veterans Club	11/ 5/62-11/ 4/87	Lot 46, Waihikuli Houselots, 3rd Series, Lahaina	4-5-14:51	.46	ele	120.00
S-3730	County of Maui Civil Defense Agency	3/18/63-3/17/73	Concrete storage building at old Puunene Airport, Puunene			cty	Gratis
S-3741	U.S.A., FAA	7/ 1/64-6/30/84	Kealalaloa, Ukumehame	3-6-01:7 & 8	1.531	fed	Gratis
S-3749	U.S.A., Corps of Engineers (U.S. Army)	4/19/63-4/18/2028	Papaanui, Makawao (Honuaula)	2-207:5	4.45	fed	Gratis
S-3817	Maui Young Men's Christian Association	11/24/64-11/23/2019	Keanae, Hana (Koolau)	1-1-02:9	7.742	rec	150.00
S-3820	Roy F. Bodnar	4/ 8/64-4/ 7/84	Gov't. Remnants, Parcels C, D, E, Puolua Hamakualoa, Makawao	2-9-06 & 08	12.89	past	60.00
S-3821	Lionard Nakoa	4/ 8/64-4/ 7/74	Lots 6, 9, 16, 23, 47, 48, 57, 58 Kahukuloa Hmstds., Wailuku	3-1-04	1.539	agr	109.00
S-3822	Walter F. Teixeira	4/ 8/64-4/ 7/84	Lot 1, Upper Kualopa	2-1-05:1	20.820	past	85.00
S-3823	Victoria Kanoa	4/ 8/64-4/ 7/74	Lots Makawao Por. of Gov't. (Crown) Land, Keanae & Gov't Poalimas, Par. 1 & 2, Keanae, Koolau, adjacent to Lot 3, L.C. Appl. 240, Hana	1-1-03:33	1.497	agr	48.00
S-3824	Anthony DeCoite	4/ 8/64-4/ 7/84	Parcels A & B, Paehala Gov't Tract, Paehala, Hana	1-5-11	48.1	past	105.00
S-3825	Hamilton McLaughy	5/22/64-5/21/2029	Old Kipahulu School Lot, Kalena, Hana	1-6-07-10	1.97	cty	Gratis
S-3826	County of Maui Civil Defense Agency	11/25/64-11/24/74	Splinter Shelter Bldg., Facility No. 03659; Bldg. 2, Old Puunene Airport, Puunene			cty	Gratis
S-3835	Pioneer Mill Co., Ltd.	6/ 2/64-6/ 1/84	Honokowai, Kaanapali, Waihikuli, Lahainaluna, Lahaina	4-4-07:01	17.901	r/w	1,500.00
S-3857	Leslie W. & Colia I. Eade	8/17/64-8/16/99	Papaauhau, between Hana Hwy. & the sea, Papaauhau, Hana	1-4-03	5.20	past	590.00
S-3918	University of Hawaii	5/28/65-5/27/2030	Parcel 1, Kealahou 1 & 2 and Waiakoa, Makawao, Kulu	2-2-11	20.674	agr	Gratis
S-3920	Joseph Young	7/20/65-7/19/85	Lots 12-A, 13-A 26-A, 32, 32-A & Parcel 54 of T.M.K. 1-1-5, Wailua Homesteads, Hana	1-1-05	5.93	agr	177.00
S-3922	Cecilia Kaauamo	7/20/65-7/19/85	Lots 2-A, 18-A, 21-A & 22-A Wailua Homesteads, Koolau, Hana	1-1-04	2.99	agr	80.00
S-3923	Colin C. Cameron	7/20/65-7/19/2030	Non-Exclusive easement for roadway 20-ft. wide, Kahului Airport, Kahului	3-8-01	.166	r/w	75.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3947	George W. Murphy, dba Puuohoku Ranch	6/ 1/66-5/31/86	Por. Gov't. Land of Honouliwai, makai of Molokai Forest Reserve	5-8-02 & 5-8-15	577.00	past	1,851.00
S-3953	U.S.A. (Navy)	11/ 4/65-11/31/71	Por. Molokai Forest Reserve	5-2-14:3 5-3-03:5 5-4-03-26	7,357.00	fed	Gratis
S-3964	Charles H. Tuck	6/ 1/66-5/31/86	Lots 28, 29, 30, Waiohonu-Kakio Homesteads, Hana	1-4-11	35.85	past	90.00
S-3965	Samuel Kaauamo	6/ 1/66-5/31/86	Lots, 17-A & 46, Wailua Homesteads Wailua, Hana	1-1-05	2.63	agr	34.00
S-3984	Pioneer Mill Co., Ltd.	7/11/66-7/10/86	Lot C, Lahainaluna School Lands, Lahaina	4-6-18:4	69.400 25.100 78.100 162.600	cane past waste	1,756.00
S-3985	Pioneer Mill Co., Ltd.	7/11/66-7/10/86	Lots A-1 & A-3, Lahainaluna School Lands, Lahaina	4-6-18:6 & 10	37.480 42.759 80.599	cane waste	950.00
S-4013	Obed Sniffen	10/17/66-10/16/86	Lot 9, Kahakuloa Homesteads, Wailuku	3-1-01	56.010	past	45.00
S-4015	Joe Castro, Jr.	10/17/66-10/16/86	Lot 11, Kahakuloa Homesteads, Wailuku	3-1-01	92.800	past	175.00
S-4016	Erik Krag: dba Hana Tropical Fruit Plantation	10/17/66-10/16/2001	Portion of Gov't. Land Kawaiappa and Kakiu, Hana	1-3-04	421.170	agr	700.00
S-4028	Hawaiian Telephone	7/ 1/66-6/30/2031	Papaanui, Makawao, (Honuaula)	2-2-07	.262	ind	300.00
S-4111	Alfred & Rosaline Ferreira	9/25/67-9/24/87	Por. of Hon.-Nui & Hon-Iki	1-2-01	63.000	past	300.00
S-4112	Maui Shores Syndicate & Kihei Shores	9/25/67-9/24/2032	Kamaole, Wailuku (Kula)	3-0-04	.400	r/w	150.00
S-4189	Hana Ranch Co., Ltd.	3/ 7/68-3/ 6/88	Hamoa, Hana	1-4-07:7	1.000	past	15.00
S-4190	Joseph Young	3/ 7/68-3/ 6/88	Wailua, Hana (Koolau)	1-1-06:70	2.76	agr	40.00
S-4192	Harry O. Mitchell & Pearl R. Mitchell	4/22/68-4/21/88	Wailua Homesteads, Wailua	1-1-04:6 & 18	2.180	agr	55.00
S-4194	Dr. Louis R. Prucher	5/22/68-5/21/88	Omaopio, Makawao, (Kula)	2-3-03:23	6.300	agr	200.00
S-4195	Tyson E. Benson	4/22/68-4/21/2033	Kamaole (Kula)	3-9-05:46	.217	res	710.00
S-4197	Alexander & Baldwin, Inc.	7/ 1/68-6/30/2003	Pulehunui & Waikapu, Wailuku	3-8-08	1,875.27	cane	35,500.00
S-4209	Harold K. & Louise Geise Lee	10/ 3/68-10/ 2/2023	Lot 4, Keanae Homesteads, Keanae Hana (Koolau)	1-1-03	1.10	agr	1,070.00
S-4210	William Guinn	10/ 3/68-10/ 2/2033	Keanae, Hana (Koolau)	1-1-03	.97	agr res	350.00
S-4211	Stephen & Gerald Perreira	9/12/68-9/11/88	Water Hole Reserve, Waiakoa Homesteads, Kula	2-2-15	16.55	past	120.00
S-4212	John J. Fagan & Walter C. Witte	9/ 4/68-9/ 3/2033	Kamaole, Wailuku	3-9-04, por. 29 & por. 1	1.12	bus	6,700.00
S-4229	Pioneer Mill Co., Ltd.	2/25/69-2/24/94	Wahikuli, Lahaina (Kaanapali)	4-5-21	1,819.00	cane	36,000.00
S-4230	Charles S. Ota	2/25/69-2/24/89	Honomanu Gov't. Land Honomanu, Hana	1-1-01:52	67.00	past	150.00
S-4231	Paul T. & Bernice T. Otani	2/25/69-2/24/94	Omaopio, Kula	2-3-03:6	13.14	agr	500.00
S-4232	Frank T. Pacheco	2/25/69-2/24/94	Puolua, Makawao, (Hamakualoa)	2-9-06:7 & 8	10.56	past	30.00
S-4233	Harry Frisbie	2/25/69-2/24/89	Keanae & Pahoa, Hana	1-1-08:8	148.70	past	410.00
S-4241	Harry Frisbie	5/ 6/69-6/ 4/94	Hamakualoa, Makawao	2-9-06:21, 22 & 23	53.330	past	600.00
S-4242	Steven DeCoite & Florence Harold	5/ 6/69-6/ 4/94	Honokala, Hamakualoa	2-9-05:20 & 32	28.420	past	355.00
S-4269	Paul B. Noel, Leroy E. Austin, Herbert W. Austin & AUSCO Inc. dba Puaahala	11/ 8/69-11/ 7/2034	Submerged Lands fronting the Ahupuaas of Puuhala & Kaamola	5-6-06	108.137	bus	8,500.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4270	Lahaina-Kaanapali & Pacific Railroad, Ltd.	11/24/69-11/23/2009	Parcels 1-5, Kapunakea & Wahikuli, Lahaina	4-5-10, 12, 13 & 21	2.251	r/w	1,390.00
S-4271	Lahaina Hongwanji Mission	11/24/69-11/23/2034	Por of Former Lot 21-A (Mokuhinia Pond) Wainee, Lahaina	4-6-07	.083	ele	225.00
S-4272	Michael Paul Milner	11/24/69-11/23/2034	Por. of Former Old Kuiaha Sch. Lot, Makawao		1.840	agr	300.00
S-4273	Amfac, Inc.	11/24/69-11/23/2034	Offshore waters of Hanakao, Lahaina	4-4-06	.130	r/w	141.00
S-4274	Kula Acres, Inc.	11/24/69-11/23/74	Waiakoa, Makawao (Kula)	2-2-11 & 12	.048	r/w	62.00
S-4324	Albert L. Berkes	11/23/70-11/22/2025	Haou, Hana	1-5-04:16	1.758	res	700.00
S-4325	Hale Haku Ranch	12/22/70-12/21/95	Makawao	2-2-04	206.010	past	5,500.00
S-4326	Edward P. Chong	12/22/70-12/21/95	Wailua Homesteads, Wailua-Nui, Hana	1-1-04:05	3.214	agr	150.00
S-4327	Harry Hasegawa & Rosalina Anita Hasegawa	11/23/70-11/22/2025	Hamo, Hana	1-4-08:13	1.000	res	750.00
S-4328	Anthony A. Tam & Anna K. Tam	11/23/70-11/22/95	Wailua-Nui, Hana	1-1-08:05	120.970	past	405.00
S-5008	Pioneer Mill Co., Ltd.	5/23/67-5/22/87	Lahainaluna Sch. Lands, Lahaina	4-6-18:13	34.808 <u>7.275</u>	cane waste	870.00
S-5009	Kilolani Congregational Church	5/23/67-5/22/2032	Waiohuli, Wailuku	3-9-01	42.083 3.000	ele	90.00
S-5010	Edward B. Perreira & Sylvia M. Perreira	5/23/67-5/22/87	Wailua-Nui Gov't. Remainder, Hana	1-1-08	59.910	past	150.00
S-5011	Gordon D. MacKenzie	5/23/67-5/22/2032	Por. of Gov't. Land of Honouliwai, Molokai	5-8-03	.176	r/w	28.00
S-5012	Johnson Pacific Co.	5/23/67-5/22/82	Por. of Kahului Airport, Kahului	3-8-01	1.000	ind	1,500.00
S-5014	David Nobriga	10/17/66-10/16/86	Lot 10, Kahakuloa Hmstds., Wailuku	3-1-01	78.600	past	60.00



THIRD LAND DISTRICT
Island of Oahu

GENERAL LEASES—SUMMARY, THIRD LAND DISTRICT, June 30, 1971

Use	Area (Acres)	Annual Rental	No. Leased
Agriculture	595.080	\$ 45,870.00	53
Business	155.682	88,017.00	11
Cane			
County	3.229	1.00	2
Eleemosynary	190.358	12,483.00	7
Federal	7,314.530	Gratis	12
Fishpond			
Industrial	140.812	395,836.00	28
Pasture	3,781.628	8,060.00	7
Pineapple	578.265	17,119.45	1
Recreational	6.190	150.00	1
Residential600	540.00	1
Right of way	67.801	14,146.55	49
Waste			
Water licenses, etc.	6,154.630	63,612.00	4
TOTALS	18,988.805	\$645,835.00	176

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
L-810	Waiahole Water Co., Ltd.	5/27/16-5/27/76	Waiahole, Koolaupoko			wtr	15,000.00
L-1755	Hawaiian Electric Co., Ltd.	4/ 7/66-Indefinite	Auwaiolimu & Kewalo		.21	r/w	1.00
L-1756	Hawaiian Electric Co., Ltd.	6/23/21-Indefinite	Waialae		1.02	r/w	12.00
F-2955	Hawaiian Electric Co., Ltd.	5/25/48-5/24/98	Schofield Barracks		5.48	fed	Gratis
L-3352	Castle & Cooke, Inc.	1/ 1/51-12/31/72	Wahiawa	7-2-01-1	4,620.00	wtr	16,000.00
L-3383	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51-4/ 3/72	Aiea	9-9-09	.08	r/w	12.00
L-3384	Hawaiian Electric Co., Ltd., & Hawaiian Telephone Co.	4/ 4/51-4/ 3/72	Honolulu	2-5-20	1.03	r/w	31.00
L-3385	Hawaiian Electric Co., Ltd.	4/ 4/51-4/ 3/72	Keaahala, Kaneohe, Koolaupoko	2-5-20	1.02	r/w	12.00
3386	Hawaiian Telephone Co.	4/ 4/51-4/ 3/72	Nanakuli, Waianae	8-9-8:4	.90	bus	100.00
L-3387	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51-4/ 3/72	Waimanalo, Koolaupoko	4-1-09	2.28	r/w	32.00
3388	Abel S. Santos	1/ 1/52-12/31/73	Kaneohe, Koolaupoko	4-5-33:2	89.50	agr	770.00
3390	(Mrs.) Apolonia Rose	7/ 1/51-8/31/72	Aiea, Ewa	9-9-4:15	.60	res	540.00
3391	Harold Chung-Hoon III	4/ 4/51-4/ 3/72	Keaau, Waianae	8-3-1:18	476.910	past	300.00
3429	Hawaiian Telephone Co.	6/ 6/52-6/ 5/73	Kalawahine & Opu (Tantalus)	2-5-19:13 14	2.37	bus	200.00
3430	Hawaiian Cement Corp.	6/ 6/52-6/ 5/73	Lualualei, Waianae	8-6-3:24	17.890	ind	100.00
3459	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	12/ 7/53-12/ 6/74	Pupukea-Paumalu, Koolauloa	5-9-05	.03	r/w	12.00
3465	Hawaiian Trust Co., Ltd.	12/ 7/53-12/ 6/74	Hotel St., Honolulu	2-2-25	.09	bus	12.00
S-3469	Labriano Garcia	4/ 5/54-4/ 4/75	Waianae-Kai	8-5-06: por. 1	97.390	past	275.00
L-3471	Hawaiian Bitumuls & Paving Co., Ltd.	4/ 5/54-4/ 4/75	Kaena, Waialua	6-9-01	76.376	ind	76.00
L-3502	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	10/27/54-10/26/75	Kewalo & Kalawahine	2-5-10 & 19	.729	r/w	30.00
S-3523	Glenn Masuo Masunaga & Harriet Mieke Masunaga	6/30/55-6/29/76	Makiki	2-4-32	.10	r/w	24.00
3524	Union Oil Co. of California	6/30/55-6/29/76	Iwilei	1-5-13	.053	r/w	24.00
L-3527	Hawaiian Electric Co., Ltd.	7/ 7/55-7/ 6/76	Kewalo & Kalawahine	2-5-19	.627	r/w	24.00
3540	California Packing Corp.	7/ 1/57-6/30/72	Upper Puohala, Waialeale, Ewa	9-4-12	578.265	pine	17,119.45
3544	The Eye of the Pacific, Incorporated	2/21/56-2/20/77	Lot 12, Piliamoo House Lots & Remnant, Moiliili	2-8-26:14	.55	ele	60.00
3545	Honolulu Gas Co., Ltd.	2/21/56-2/20/77	Lot CC-2-B, Kuwili, Kapalama-Kai	1-5-16 & 20	7.408	ind	55,260.00
L-3562	Hawaiian Electric Co., Ltd.	6/18/56-6/17/77	Piliamoo, Kanewa, & Waahila	2-8-26:29 3-3-56		r/w	24.00
3563	Castle & Cooke, Inc.	8/ 1/56-7/31/77	Wahiawa, Waialua	7-3-01:14 15	.13	wtr	12.00
S-3564	Advertiser Publishing Co., Ltd. & Hercules Broadcasting Co.	8/27/56-8/26/77	Kaakaukukui	2-1-58:48	.080	bus	1,400.00
S-3565	GEM International, Inc.	8/27/56-8/26/77	Kuwili	1-5-20:6 & por. 11	3.075	ind	9,000.00
S-3689	Ornellas, Inc.	4/ 1/62-3/31/72	Nimitz Highway between Maunakea & Smith Sts.	1-7-02:3	.133	bus	8,400.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3702	Honolulu Gas Co., Ltd.	3/21/62-3/20/92	Wilikina Dr., Wahiawa	7-3-01	.051	r/w	220.00
S-3709	The Oceanic Foundation	8/21/62-8/20/2027	Waimanalo, Koolaulupo	4-1-14:3, 4, & por 7	118.00	ele	12,000.00
S-3726	Honolulu Star Bulletin Inc.	1/14/63-1/13/83	Ala Wai Blvd., Kalia, Waikiki	2-6-13	2.00	r/w	130.00
S-3727	Roman Rivera & Alfonsa Remiscal Nacapoy	1/14/63-1/13/2028	Kaluapalena, Kalihi	1-3-11	.154	r/w	19.20
S-3747	U.S.A. (Army Corps of Engineers)	4/19/63-4/18/2028	Mt. Kaala, Mokuleia, Waialua	6-7-03; 8-4-02	1.800	fed	Gratis
S-3748	U.S.A. Federal Aviation Agency	4/19/63-4/18/2028	Mokuleia Forest Res.	8-5-06:3	53.630	fed	Gratis
S-3806	Honolulu Redevelopment Agency, City & County of Honolulu	4/ 1/64-3/31/74	Lot B, Iwilei Gov't. Lots	1-5-07:14	2.409	bus	1.00
S-3808	City & County of Honolulu	6/17/64-6/16/2029	Pauhala & Ulumoku Waikele, Ewa	9-3-01 & 2	45.810	r/w	Gratis
S-3809	Canadian Overseas Telecommunications Corporation	4/ 2/64-4/ 1/2029	Keawaula, Waianae	8-1-01	3.979	ind	1,000.00
S-3811	Consolidated Amusement Co., Ltd.	4/ 2/64-4/ 1/2029	Kalauao, Ewa	9-8-11:11	.015	r/w	125.00
S-3813	U.S.A. (Navy)	7/ 1/64-6/30/79	Gov't. Lands at Nanakuli, Lualualei, Waianae	8-9-06: por. 1 8-7-08:26 8-7-06: por. 3	.397	r/w	Gratis
S-3843	City & County of Honolulu (Maluhia Hospital)	2/26/65-2/25/2030	Between S. of Hala Dr. & N. of ext. of Kuakini St. adjacent Blk. 1 Sec. C. McNerny Tract & Sec. C of Lanakila Tract at Kalaepohaku, & Kapalama		3.09	cty	1.00
S-3845	U.S.A. (Army)	8/17/64-8/16/2029	Kaena Point Tracking Station		137.98	fed	Gratis
S-3846	U.S.A. (Army)	8/17/64-8/16/2029	Kawailoa Training Area	7-2-01	4,390.00	fed	Gratis
S-3848	U.S.A. (Army)	8/17/64-8/16/2029	Makua Training Area, Parcels A & B		1,515.121	fed	Gratis
S-3850	U.S.A. (Army)	8/17/64-8/16/2029	Kahuku Training Area, Kahuku		1,149.72	fed	Gratis
S-3851	U.S.A. (Army)	8/17/64-8/16/2029	Lualualei Maneuver Area, Lualualei		57.825	fed	Gratis
S-3864	University of Hawaii	7/ 1/65-6/30/2030	Kaakaukukui, Honolulu	2-1-58	6.071	ele	1.00
S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Overhead easement over por. E.Q. 1346, Kapalama, Honolulu	1-5-42	.115	r/w	75.00
S-3897	Hawaiian Electric Co., Inc.	3/11/65-3/10/2030	25-ft. wide easement for overhead electric transmission line, over and across H.H.L., Nanakuli	8-9-07	3.79	r/w	84.00
S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Underground easement, Makiki Forest Ridge Lots, Honolulu	2-5-23:8, 21, 25 & 35	.079	r/w	50.00
S-3899	First Hawaiian Bank	3/11/65-3/10/2030	Lots 25 & 25-A, Auwaiolimu	2-206:25	.299	r/w	600.00
S-3900	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Overhead easement at Kuwili & Kapalama, Honolulu	1-5-14	.118	r/w	73.00
S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	End of Mao Lane to Vineyard Through-Kapalama, Honolulu	1-6-02	.006	r/w	5.00
S-3902	Oahu Sugar Co., Ltd.	3/11/65-3/10/2005	Pipeline & utility easement at Waipahu, Waikele	9-3-02, 9-4-11, 9-4-13, 9-4-14 3-1-42	.260	r/w	70.40
S-3903	Hawaiian Telephone Co.	3/11/65-3/10/2030	Diamond Head Tunnel easement for communication center, Kapahulu, Honolulu		.96	r/w	1.00
S-3904	Hawaiian Electric Co., Inc. & Hawaiian Telephone Company	3/11/65-3/10/2030	Overhead & underground easement across Kalihi Waena School, Honolulu	1-3-08	.42	r/w	205.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3905	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Overhead easement at Laelae, Kalihi Valley	1-4-22	.365	r/w	50.00
S-3906	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Easement for electric transmission line, Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu	1-5-41	.481	r/w	200.00
S-3915	Francis I. Tsuzuki & Morio Omori	6/21/65-6/20/2030	Kewalo, Honolulu	2-2-04	.043	r/w	78.00
S-3924	U.S.A. Army Engineer Division, Pacific Ocean	12/ 1/65-Indefinite	10x12 ft. room at Battery Harlow, Fort Ruger, Honolulu		.003	fed	Gratis
S-3951	Aloha Council, Boy Scouts of America	3/11/66-3/10/2021	Parcels A & B Por. of Gov't (Crown) Land of Pupukeya, Koolauloa	5-9-05 & 06	64.800	ele	150.00
S-3963	U.S.A. (Army Corps of Engineers)	1/ 1/65-12/31/2029	Waialua, Oahu	8-9-08: por. 1	.372	fed	Gratis
S-3967	City and County of Honolulu	4/15/66-4/14/71	Lualualei, Waianae	8-7-06	.528	r/w	Gratis
S-3978	Ralph Ajifu & Richard Azama	6/27/66-6/26/2031	Kaluapuhi-Waikalua Homesteads, Kaneohe	4-5-32	.168	r/w	30.00
S-3980	Esther K. Arinaga	6/27/66-6/26/2031	Makiki Ditch	2-4-29	.021	r/w	36.00
S-3981	Roy H. Aoki & Jane S. Aoki	6/27/66-6/26/2031	Por. of Gov't. Land, Pauoa Valley	2-2-16	.01	r/w	1.00
S-3982	Castle & Cooke, Inc.	6/27/66-6/26/2031	Kuwili, Kapalama-Kai	1-5-16	.09	r/w	246.00
S-3983	David Ap Lew	6/27/66-6/26/2021	Por. Old Waialea Boy's Home, Koolauloa	5-8-01	12.854	bus	6,324.00
S-3996	Y. Hata & Co., Ltd.	8/ 5/66-8/ 4/2022	Parcel Food Distribution Center, 1st increment Kaakaukukui, Honolulu	2-1-58	4.146	bus	48,750.00
S-3997	Honolulu Community Theater	8/18/66-8/17/2016	Portion of Blk. 56 Kaimuki Tract Kapahulu, Honolulu	3-2-30	2.735	bus	6,000.00
S-4014	Hawaii Little League Stadium	4/ 1/68-3/31/2033	Moanalua, Oahu	1-1-03	6.190	rec	150.00
S-4017	Aloha Council, Boy Scouts of America	6/10/66-6/ 9/96	Reservoir Lot, Kaimuki, Honolulu	3-2-35	.657	ele	150.00
S-4027	Communications Satellite Corporation	12/28/66-12/27/2031	Mount Kaala, Mokuleia Portion of Mokuleia Forest Reserve, Waialua	6-7-03	.106	bus	330.00
S-4094	City and County of Honolulu	12/17/65-12/16/2030	Kapahulu, Waikiki, Honolulu	3-1-42	.139	cty	Gratis
S-4096	University of Hawaii	9/ 1/67-8/31/77	Waimanalo	4-1-13	127.282	agr	Gratis
S-4100	Army & Air Force Exchange Service	11/ 1/67-10/31/2032	Kaakaukukui, Honolulu	2-1-58	2.500	fed	Gratis
S-4104	Hawaiian Electric Co., Inc.	4/15/66-	Kapahulu, Honolulu	4-1-08, 4-1-26	.154	r/w	10.00
S-4110	Hawaii Kai Community Services Company	9/15/67-9/14/2032	Maunaloa, Oahu	3-9-15	.643	r/w	255.00
S-4113	Val's U-Drive, Inc.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.676	ind	10,900.00
S-4114	Real Estate Equities Corp.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.910	ind	13,300.00
S-4115	Associated Masons, Limited	10/10/67-10/ 9/2007	Moanalua	1-1-06	.945	ind	12,200.00
S-4116	Valdastri, Limited	10/10/67-10/ 9/2007	Moanalua	1-1-06	1.013	ind	15,600.00
S-4117	Sen Company, Inc.	10/10/67-10/ 9/2007	Moanalua	1-1-06	1.013	ind	15,300.00
S-4118	Harders Company,	10/10/67-10/ 9/2007	Moanalua	1-1-06	1.013	ind	16,400.00
S-4119	Sunvan & Storage Co., Inc.	10/10/67-10/ 9/2007	Moanalua	1-1-06	1.094	ind	18,600.00
S-4120	Electrical Distributors, Limited	10/10/67-10/ 9/2007	Moanalua	1-1-06	1.013	ind	15,500.00
S-4121	Paul Simpson, Inc.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.919	ind	15,600.00
S-4122	W.T. Chang Contractors, Ltd.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.51	ind	7,500.00
S-4123	Douglas K. Takata	10/10/67-10/ 9/2007	Moanalua	1-1-06	.566	ind	9,600.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4124	Oahu Plumbing & Sheet Metal, Limited	10/10/67-10/ 9/2007	Moanalua	1-1-06	.574	ind	9,100.00
S-4125	Oahu Development Corp.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.574	ind	9,600.00
S-4126	Headrick Development, Inc.	10/10/67-10/ 9/2007	Moanalua	1-1-06	.574	ind	9,900.00
S-4127	Quality Sheetmetal Company Limited	10/10/67-10/ 9/2007	Moanalua	1-1-06	.574	ind	9,500.00
S-4129	United States of America (Federal Aviation Adm.)	6/ 1/67-5/30/2032	Fort Ruger		.099	fed	Gratis
S-4131	Tamotsu & Otome Sugiyama	10/19/67-10/18/87	Waianae	8-5-06	1,272.000	past	2,800.00
S-4132	Miyoshi Uchinaka	10/19/67-10/18/2032	Ewa	9-7-23	.010	r/w	6.00
S-4216	Armour Oil Hawaii Ltd.	12/ 5/68-12/ 4/2033	Kapalama, Honolulu	1-5-34	.11	r/w	915.00
S-4217	Ernest W. Albrecht	12/ 5/68-12/ 4/2033	Puea, Waianae	8-5-05	.61	r/w	21.00
S-4218	Waipahu Soto Zen Temple Taiyoji	12/ 5/68-12/ 4/2033	Cemetery Lot, Pouhala, Waikele, Ewa	9-4-27:124	.23	ele	12.00
S-4220	University of Hawaii	1/29/69-1/28/2034	Kaimuki Tract 49, Kapahulu	3-2-31	8.00	ind	Gratis
S-4223	Hawaiian Telephone Company	3/ 1/66-2/28/2031	Mt. Kaala, Mokuleia, Waialua	6-7-03	.06	r/w	300.00
S-4228	U.S.A. (Army)	1/ 1/69-12/31/73	Por. of Oahu Railway & Land Co.'s Railroad		1.10	r/w	Gratis
S-4236	U.S.A. (Army)	7/30/68-6/30/72	Parcel 16 former railway r/w from OR&L Co.	1-2-19	.02	r/w	Gratis
S-4258	Seatrains Terminals of Calif., Inc.	9/18/69-6/11/89	Anuenue, Honolulu	1-5-41	10.00	ind	78,300.00
S-4266	Mokuleia Ranch & Land Co., Ltd.	9/ 4/69-9/ 3/94	Kuaokala & Kealia, Waialua	6-8-02:7 6-9-03-2	1,884.695	past	2,350.00
S-4267	John K. & Sarah L. Nakoa	9/ 4/69-9/ 3/2034	Palolo Valley por. of Anuenue Elementary School	3-4-04	.031	r/w	31.17
S-4268	Hualalai Construction Co., Ltd.	9/ 4/69-9/ 3/2034	Moanalua, Honolulu	1-1-64	.051	r/w	103.48
S-4290	Albert C. Kobayashi	3/12/70-3/11/2010	Lot 1, Shafter Flats Ind. Dev. Unit III	1-1-64	.232	ind	7,200.00
S-4291	Bert A. Kobayashi	3/12/70-3/11/2010	Lot 2, Shafter Flats Ind. Dev. Unit III	1-1-06	.232	ind	7,500.00
S-4292	Grace Brothers, Ltd.	3/12/70-3/11/2010	Lot 3, Shafter Flats Ind. Dev. Unit III	1-1-64	.527	ind	16,700.00
S-4293	Rite-Way Electric Co.	3/12/70-3/11/2010	Lot 4, Shafter Flats Ind. Dev. Unit III	1-1-64	.492	ind	15,900.00
S-4294	Frank J. Fujii	3/12/70-3/11/2010	Lot 5, Shafter Flats Ind. Dev. Unit III	1-1-64	.523	ind	16,200.00
S-4295	John B. Hamacher	3/12/70-3/11/2035	Kapahulu	3-1-48		r/w	85.00
S-4304	Thomas D. & Karen C. Perkins	5/19/70-5/18/2035	Por. of Gov't. Land of Kalawahine, Hon.	2-5-19: por. 5	.033	r/w	30.00
S-4318	Hawaiian Telephone Co.	11/01/69-10/31/71	Gov't. Land of Kapahulu	3-1-42: por. 19	1.571	r/w	9,850.00
S-4329	Waiahole Irrigation Co., Ltd.	1/01/71-12/30/2000	Kahana, Koolaupoko	4-8-13: por. 01 5-2-01: por. 01	1,534.500	wtr	32,600.00
S-5006	University of Hawaii	6/01/67-5/31/2032	Honolulu	6-7-03	.110	ind	Gratis
S-5013	First Church of Christ, Scientist	5/25/67-5/24/2032	Honolulu	2-4-08	.050	ele	110.00

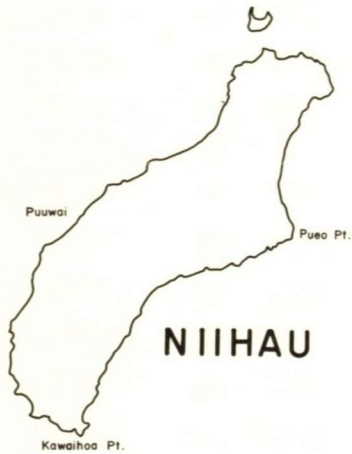
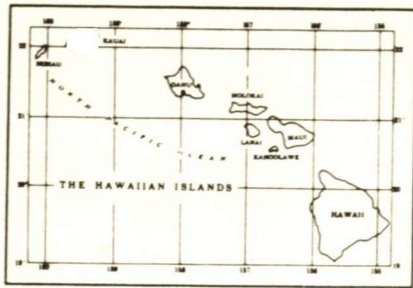
WAIMANALO AGRICULTURAL LEASES

S-3753	Sidney U. Goo	12/ 2/63-12/ 1/83	Lot 2, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:31	3.249	agr	355.00
S-3754	Chozen Kanetake	12/ 2/63-12/ 1/83	Lot 3, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:32	4.147	agr	360.00
S-3755	Ronald H. Deisseroth	12/ 2/63-12/ 7/83	Lot 4, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:33	5.106	agr	350.00

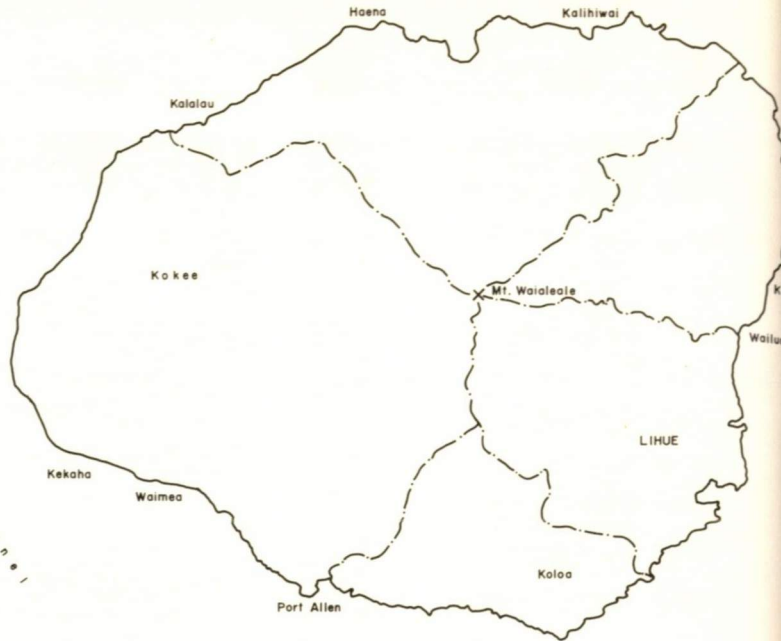
Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3756	James Suenaga	12/ 2/63-12/ 1/83	Lot 5, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:34	5.193	agr	290.00
S-3757	Raymond M. & Lily T. Kam	12/ 2/63-12/ 1/83	Lot 9, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:40	3.742	agr	300.00
S-3758	Kazuto Yamada	12/ 2/63-12/ 1/83	Lot 10, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:41	4.094	agr	350.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/ 2/63-12/ 1/83	Lot 11, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:42	4.486	agr	375.00
S-3760	Kaname & Ethel H. Tanaka	12/ 2/63-12/ 1/83	Lot 12, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:43	4.635	agr	390.00
S-3761	Philip P. Minn Nurseries, Ltd.	2/ 2/64-2/ 1/84	Lot 13, Waimanalo Agricultural Subdivision Koolaupoko	4-1-10:44	4.014	agr	360.00
S-3762	Henry Hiroshi Miyamoto	2/ 2/64-2/ 1/84	Lot 14, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:46	5.137	agr	420.00
S-3763	John G. Kolbey & Charles K. Baker	12/ 2/63-12/ 1/83	Lot 15, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:48	5.256	agr	410.00
S-3764	Evergreen Nurseries, Inc.	12/ 2/63-12/ 1/83	Lot 16, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:08	3.23	agr	295.00
S-3765	Harry N. Okabe & Irene Okabe	12/ 2/63-12/ 1/83	Lot 25, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:30	7.787	agr	500.00
S-3766	Rodney H. & Iris T. Fukui	12/ 2/63-12/ 1/83	Lot 26, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:29	7.001	agr	725.00
S-3767	Ronald Lindsey	12/ 2/63-12/ 1/83	Lot 27, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:28	7.195	agr	515.00
S-3768	Stanley S. Kawabata	12/ 2/63-12/ 1/83	Lot 28, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:27	6.836	agr	515.00
S-3769	Mun On & Rosalind K. Chang	12/ 2/63-12/ 1/83	Lot 29, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:26	5.515	agr	540.00
S-3770	Hiroshi & Sallie Ikene	12/ 2/63-12/ 1/83	Lot 30, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:25	5.794	agr	430.00
S-3771	Samuel L.W. Kapahua	12/ 2/63-12/ 1/83	Lot 31, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:19	10.005	agr	1,000.00
S-3772	Walter S.S. Zane & Florence F. Zane	12/ 2/63-12/ 1/83	Lot 32, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:18	6.521	agr	1,300.00
S-3773	Lloyd W. Martin	12/ 2/63-12/ 1/83	Lot 34, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:11	9.565	agr	650.00
S-3774	Katsumi Mashita	12/ 2/63-12/ 1/83	Lot 35, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:10	8.541	agr	585.00
S-3775	Rainbow Properties, Inc.	12/ 2/63-12/ 1/83	Lot 36, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:09	8.860	agr	600.00
S-3776	James F. Ching	12/ 2/63-12/ 1/83	Lot 37, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:12	8.513	agr	490.00
S-3777	Raymond Y.C. Ching	12/ 2/63-12/ 1/83	Lot 39, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:08	7.883	agr	515.00
S-3778	Melvin Y.S. Chang	12/ 2/63-12/ 1/83	Lot 40, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:07	5.686	agr	420.00
S-3779	James A. Nakano & Takashi, Ishihara	12/ 2/63-12/ 4/83	Lot 41, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:06	6.032	agr	435.00
S-3780	Marion Freitas & Chiharu Yoneda	12/ 2/63-12/ 1/83	Lot 46, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-26:19	6.705	agr	300.00
S-3782	Peter A. & Gertrude Pak Chong	12/ 2/63-12/ 1/83	Lot 38, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-26:17	7.136	agr	550.00
S-3783	Henry, Joseph, & Theresa Castillo	12/ 2/63-12/ 1/83	Lot 1, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:30	11.092	past	705.00
S-3784	Edward D. & Carroll Sultan	12/ 2/63-12/ 1/83	Lot 22, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:20	19.481	past	730.00
S-3786	George & Hazel K. Ilae	12/ 5/63-12/ 4/93	Lot 6, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:37	4.630	agr	500.00
S-3787	William N.K. & Mary Y.Y. Kamai, Jr.	12/ 2/63-12/ 1/93	Lot 7, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:38	3.54	agr	245.00
S-3789	Shirley May Sumie	12/ 5/63-12/ 4/93	Lot 42, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:05	1.146	agr	380.00
S-3792	Elizabeth Heavey & Eleanor Kaleimomi McLellan	12/ 5/63-12/ 4/93	Lot 45, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:01	1.100	agr	380.00
S-3793	Robert L. & Anna K. Ham	12/ 2/63-12/ 1/93	Lot 18-A, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:06	6.490	agr	950.00
S-3794	Arthur H. Zsupnik, dba Art's Liquidation Co.	12/ 2/63-12/ 1/93	Lot 18-B, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:05	5.744	agr	700.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3854	Stewart L. & Arla Wagers Wade	8/10/64-8/ 9/84	Lot 47, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-26:18	5.492	agr	550.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64-8/ 9/84	Lot 9, Waimanalo Farm Lots, Koolaupoko	4-1-24:23	9.474	agr	570.00
S-3858	Warren Q.K. Yee & Ellen S.P. Yee	8/10/64-8/ 9/84	Lot 8, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-10:39	3.66	agr	510.00
S-3859	Harry N. & Irene M. Okabe	8/10/64-8/ 9/84	Lot 56-A & 56-B Waimanalo Farm Lots, Koolaupoko	4-1-25:22, & 23	8.92	agr	580.00
S-3860	Yong Kam & Helen Y. Kam	8/13/64-8/12/84	Lot 31, Waimanalo Farm Lots, Koolaupoko	4-1-24:62, & 63	9.862	agr	640.00
S-3861	Barbara Ruth Malouff & Norma Renee Talia ferro	8/10/64-8/ 9/84	Lot 33, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:16	20.060	past	900.00
S-4007	B & G Enterprise	9/12/66-9/11/86	Waimanalo Agricultural Subdivision, Lots 23 & 24, Koolaupoko	4-1-27:23 & 24	34.438	agr	1,000.00
S-4008	Walter F.L. Chong & Evelyn Z. Chong	9/12/66-9/11/86	Lot 38, Waimanalo Agricultural Subdivision	4-1-27:14	20.395	agr	960.00
S-4009	Roy M. Shiraki	9/12/66-9/11/86	Lot 28, Waimanalo Farm Lots Subdivision, Koolaupoko	4-1-25:54	9.45	agr	800.00
S-4010	Charles D. Lake	9/12/66-9/11/86	Lot 67, Waimanalo Farm Lots Subdivision, Koolaupoko	4-1-18:40	7.021	agr	1,030.00
S-4011	Thomas R. Beveridge & Matsuko Beveridge	9/12/66-9/11/96	Lot 43, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:04	1.032	agr	420.00
S-4093	Victor & Harriet Towne Gega	3/20/67-3/19/97	Lot 44, Waimanalo Agricultural Subdivision, Koolaupoko	4-1-27:02	1.002	agr	450.00
S-4095	Olomana Golf Links, Inc.	5/ 4/67-5/ 3/2007	Waimanalo	4-1-13:10	129.859	bus	16,500.00
S-4101	Foremost Dairies-Hawaii Ltd.	7/20/67-7/19/97	Waimanalo	4-1-08:80	195.810	agr	8,100.00
S-4133	Henry A. Gomes & Betty Jo Gomes	10/26/67-10/25/87	Waimanalo	4-1-26:15	8.540	agr	2,000.00
S-4296	H. William & Jo Ann Goebert	3/12/70-3/11/90	Lot 17, Waimanalo Agricultural Subdivision	4-1-10:07	11.001	agr	2,010.00
S-4297	Frederick A. Wong & Thomas Tengan	3/12/70-3/11/90	Lot 19, Waimanalo Agriculture Subdivision	4-1-10:04	14.054	agr	4,400.00
S-4298	Rosehill & Titcomb	3/12/70-3/11/90	Lot 20, Waimanalo Agriculture Subdivision	4-1-10:03	15.587	agr	3,600.00
S-4305	Francis Y. Yoshida	5/19/70-5/18/2035	Waimanalo, Koolaupoko	4-1-10: Por. 74	.049	r/w	3.30

KAUAI



Kumukahi Channel



FOURTH LAND DISTRICT *Island of Kauai*

GENERAL LEASES—SUMMARY, FOURTH LAND DISTRICT, June 30, 1971

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	400.523	13,204.84	51
Business	75.300	259,509.00	24
Cane	35,969.825	579,204.80	5
County	13.577	Gratis	3
Eleemosynary	31.764	1,073.00	4
Federal	470.473	600.00	5
Fishpond			
Industrial	31.692	18,283.00	4
Pasture	3,571.846	18,707.47	39
Pineapple			
Recreational	6.567	305.00	2
Residential	115.050	6,347.47	119
Right of way	112.945	2,246.50	15
Waste	4,465.897		2
Water licenses, etc.	113.250	98,400.00	3
TOTALS	45,396.709	997,881.08	276

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3304	Kapaa Electric Co., Ltd.	10/22/49-10/21/70	Wailua, Puna, Kawaihau		1.000	r/w	12.50
3451	Shigeru Miyasato	7/16/53-7/15/74	Kapaa, Kawaihau	4-6-08	.010	r/w	12.00
3452	Mabel C. Lai	7/16/53-7/15/74	Kapaa, Kawaihau	4-6-28	.030	r/w	12.00
3546	Lihue Plantation Co.	7/01/56-6/30/71	Wailua, Lihue, Puna	3-9-02	4,394.795 2,574.197	cane waste	91,668.12

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3547	Lihue Plantation Co.	7/01/56-6/30/71	Anahola, Kamalomalo, Kawaihau, Koolau		1,846.000	cane	35,791.68
3548	Seichi Hoashi	8/21/56-8/20/77	Kalaheo, Kona	2-3-09:12 13 & 14	1,891.700 33.12	waste past	235.00
3549	William Hyde Rice, Ltd.	8/21/56-8/20/77	Lots 34, 35, 36 & 43 & por. Lots 37, 38, 39 & 42 Wailua Rice & Kula Lots, Wailua, Lihue, Puna	3-9-02:03	43.92	past	240.00
3550	William E. & Evelyn P.O. Fernandes	8/21/56-8/20/71	Lots 81, Anahola Lots, Kawaihau, Puna	4-8-07:13	4.48	agr	25.00
3551	Natsuyo Iwamoto	8/21/56-8/20/71	Lot 7, Wailua Rice & Kula Lots, Wailua, Puna	4-1-02:20	3.84	agr	82.00
3554	McBryde Sugar Co., Ltd.	8/21/56-8/20/71	Lot 10, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02:13	11.07	agr	337.00
3555	Haruo Kato	8/21/56-8/20/71	Hanapepe, Kona, Waimea	1-9-02:05 & 06	21.043	agr	112.64
3556	Agnes K. Rogers	8/21/56-8/20/71	Lot 33-A, Gov't. Remnants, Waimea Valley	1-6-02:40	0.29	agr	12.00
3557	Toshio Hashimoto	8/21/56-8/20/71	Lot 25, Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-01:11	4.08	agr	96.00
3558	Katherine V. Molale	8/21/56-8/20/77	Lot 61-A, Anahola Lots, Koolau	4-8-10:4	0.23	res	36.00
3560	Antone Martin, Jr.	8/21/56-8/20/77	Kuwaawaa Pasture Reserve, Kalaheo	2-4-03:1	183.00	past	375.00
3577	Kilauea Sugar Co., Ltd.	1/ 1/59-12/31/79	Papaa, Hanalei	5-1-01:1	7.12	r/w	200.00
S-3625	Manuel S. Andrade	3/15/61-3/14/81	Kalaheo Reservoir No. 6, Kalaheo Homesteads, Koloa	2-4-03:17	7.34	past	36.00
S-3626	George B. Fernandes	3/15/61-3/14/81	Pasture Reserve "A", Kalaheo Homesteads, Kona	2-3-02:18	33.666	past	537.85
S-3627	Toshiharu Yama & Richard C. Nagao	3/15/61-3/14/73	Gov't. Land of Wailua, Lihue	3-9-02:17	9.96	agr	200.00
S-3628	Vernon K. White	3/15/61-3/14/76	Lots 11-16, Anahola Beach Lots, Anahola, Koolau	4-8-13:16	2.85	agr	100.00
S-3629	Subramuniya Yoga Order	3/15/61-3/14/86	Land Adj. to Lot 30, Wailua Homesteads, Wailua, Puna	4-2-02: por. 1	2.960	rec	180.00
S-3641	William K. Medeiros	8/ 8/61-8/ 7/71	Lots 47-A & 47-B, Omao, Homesteads, Omao, Koloa	2-7-04:11 & 12	6.08	past	180.00
S-3644	Samuel Thronas	7/ 9/61-7/ 8/71	Lot 24, Wailua Rice & Kula Lots, Wailua, Lihue	3-9-04:1	13.86	past	750.00
S-3645	Masao Takatsuki	5/11/61-5/10/81	Par. 2, Wailua Pasture Lands, Wailua, Puna, Kawaihau	4-5-09:5	8.97	past	251.00
S-3646	Samuel Thronas	5/11/61-5/10/81	Por. Gov't. Land of Wailua, Wailua, Puna	4-1-09:2	25.67	past	400.00
S-3649	Francis M.F. Ching & Michael J.K. Ching	5/11/61-5/10/91	Lot 18, Lawai Homesteads, Lawai, Koloa	2-5-05:4, 5 & 6	7.540	past	421.00
S-3650	August Aguiar	7/ 9/61-7/ 8/91	Lot 5-B, Kapaa Rice & Kula Lots, Kapaa, Puna	4-5-05:6	1.87	agr	180.00
S-3651	Harrison Kauai Johnson	7/ 9/61-7/ 8/81	Lot 34, Kapaa Homesteads, 1st Series, Kapaa, Puna	4-6-04:13	5.75	past	435.00
S-3663	Takeshi & Betty Yamamoto	9/ 6/61-9/15/71	Lots 58 & 61, Anahola Lots, Anahola, Koolau	4-8-10	2.65	agr	60.00
S-3665	Richard Vidinha	10/16/61-10/15/81	Lots 15 & 16, Lawai Homesteads, Lawai, Kona	2-6-01	16.45	past	48.00
S-3666	William & Evelyn Fernandes	10/16/61-10/15/91	Lots 33, 34, 35 & 36, and 36-A, 38 & 39, Hanalei Homesteads, Halelea	5-4-02	13.64	agr	175.00
S-3667	Tsutao Okasako	9/ 1/61-8/13/81	Lot 173, Kapaa Homesteads, 3rd Series, Kawaihau, Puna	4-6-08	27.40	agr	650.00
S-3671	William P. & Mary Jo Wilson	4/14/61-4/13/81	Kokee State Park, Waimea, Kauai	1-4-01 & 04	.47	bus	276.00
S-3674	William E. Fernandes	12/18/61-12/17/86	Lot 25, Wailua Rice & Kula Lots, Wailua, Kawaihau, Puna	4-2-03	4.41	bus	250.00
S-3675	Hiromu & Toneyo Choriki	2/15/62-2/14/83	Lot 82, Hanapepe Town Lots, Hanapepe, Waimea	1-9-10	0.37	res	600.00
S-3676	Manuel S. Andrade	2/15/62-2/14/82	Tract 2-A, Hanapepe Valley pasture Lands, Kona, Waimea	1-8-05:1	46.25	past	180.00
S-3678	Kekaha Sugar Co., Ltd.	12/18/61-12/17/81	Lot 62, Gov't. Remnants, Ili of Neamo, Waimea Valley	1-5-03	3.70	past	48.00
S-3679	William K. Lemn	12/18/61-12/17/91	Lot 66, Anahola Lots, Anahola, Koolau	4-8-08	0.61	res	240.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3680	Lihue Plantation Co., Ltd.	12/18/61-12/17/86	Lot 44, Wailua Rice & Kula Lots, Wailua, Puna	3-9-02:9	5.40	agr	220.00
S-3690	Manuel S. Andrade	1/27/62-1/26/82	Pasture Reserve "C" Kalaheo Homesteads, 2nd Series, Kalaheo Kona	2-3-07	32.55	past	367.48
S-3691	Joseph S. Brun	3/27/62-3/26/82	Lots A & B, w/Ease-ment 1, Weliweli, Koloa, Kona	2-8-22	73.258	past	264.14
S-3692	August Aguiar	1/27/62-1/26/82	Lot 1, Kapaa Agr. Lots, Kawaihau, Puna	4-3-04	66.28	past	3,301.00
S-3693	McBryde Sugar Co., Ltd.	1/27/62-1/26/82	Lots 12-A-2 & 13-A Hanapepe Rice & Kula Lots, Hanapepe Valley Waimea, Kona	1-9-03	4.04	agr	104.00
S-3694	Shoichi Nagamine	1/27/62-1/26/82	Lots 12-A-1, 12-B & 13-B, Hanapepe Valley Kona, Waimea	1-9-03	7.83	agr	190.00
S-3704	James K. Oshita	6/ 1/62-5/31/82	Lots 11 & 12, Anahola Lots, Kawaihau, Koolau	4-8-11	1.00	agr	51.00
S-3705	Manuel S. Andrade	5/ 2/62-5/ 1/82	Lot 22, Wailua Rice & Kula Lots, Wailua, Lihue, Puna	3-9-04	8.28	past	200.00
S-3706	Waimea Sugar Mill Co., Ltd.	5/ 2/62-5/ 1/81	Lot 61, Gov't Remnant III of Halelopo Waimea Valley, Waimea, Kona	1-5-03:13	7.41	cane	45.00
S-3707	Manuel Andrade, Jr.	7/ 1/62-6/30/82	Tract 1, Hanapepe Valley Pasture Land, Waimea, Kona	1-8-05	45.24	past	198.00
S-3711	County of Kauai	11/15/62-11/14/2027	Gov't. Land at Hanapepe, Waimea, Kona	1-9-03, 04 11 & 12	10.426	cty	Gratis
S-3713	County of Kauai	11/15/62-11/14/2027	Abandoned WW II Underground Tunnel at Puuopae, Waimea Kekaha & Hanapepe Valley	1-2-2 & por. 1 1-8-7 & por. 3		cty	Gratis
S-3733	Konko Kyo Church	2/25/63-2/24/93	Lot 5, Hanapepe Rice & Kula Lots, Hanapepe, Kona	1-9-12:13	1.84	ele	240.00
S-3734	Tokowa Shimonishi	2/25/63-2/24/83	Lot 54-A, Hanapepe Town Lots, Waimea, Kona	1-9-10-37	0.10	bus	455.00
S-3735	McBryde Sugar Co., Ltd.	4/26/63-4/25/83	Lot 9-A, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-12:28	7.23	agr	760.00
S-3736	Susumu Nakamura	4/26/63-4/25/83	Anahola Gov't. Remnant, Parts 1 & 2, Kawaihau, Koolau	4-8-12:4 & 6	3.09	past	122.00
S-3737	Island Holidays, Ltd.	2/25/63-2/24/83-	Wailua, Kawaihau, Puna	4-8-13:13 4-1-03:5 & 15	15.69	bus	1,500.00
S-3795	Hawaiian Telephone Co.	11/26/63-	Hanapepe and Puu Ka Pele, Waimea, Kona	4-1-04:6 1-9-03:1	1.042	r/w	172.00
S-3797	Richard and Concepcion Vidinha	11/25/63-11/24/88	Kalaheo Pasture Reserve B. Kalaheo Homesteads, 2nd Series Koloa	1-4-01:2 2-3-09:15 & 16	9.85	past	60.00
S-3798	George B. Fernandes	11/26/63-11/25/83	Por. Gov't. (Crown) Land of Wailua, Kawaihau, Puna	4-1-09	13.23	past	75.00
S-3799	Hitoshi Miyabara	11/26/63-11/25/83	Lot 8, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-12:37	2.43	agr	97.20
S-3800	Noburo Munechika	1/25/64-1/24/84	Lots 11 & 14, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-02	2.930	agr	355.00
S-3801	Clarence K. Nonaka	1/25/64-1/24/84	Lot 22, Hanapepe Rice & Kula	1-9-01	7.66	agr	150.00
S-3802	Hanako A. Duarte	1/25/64-1/24/84	Lot 24, Hanapepe Rice & Kula Lots, Waimea	1-9-01	6.10	agr	725.00
S-3803	Yuku Ishida	1/25/64-1/24/74	Lot 83, Anahola Lots, Kawaihau, Koolau	4-8-03:16	1.33	agr	90.00
S-3804	Toraji & Chuichi	11/26/63-11/25/83	Lot 68, Anahola Lots, Koolau	4-8-06 & 07	1.36	agr	256.00
S-3814	Olokele Sugar Co., Ltd.	4/13/64-4/12/84	Gov't. Lands, Sections A, B, C & D, Hanapepe, Waimea, Kona	1-8-06, 07 & 08	1,888.05	cane	37,900.00
S-3815	Joseph S. Brun & Joseph Rita	6/12/64-6/11/84	Gov't. Lands, Section E, Hanapepe, Waimea, Kona	1-8-06	287.13	past	810.00
S-3816	Victor K. & Betty Givan	4/13/64-4/12/84	Lot 153, Parts 1 & 2 Kapaa Homesteads, 2nd Series No. & So. Oloheha, Kawaihau	4-4-02:31	19.15	past	730.00
S-3827	East Kauai Water Co., Ltd.	5/11/64-5/10/94	Drainage Basins of North Wailua, Kapaa Anahola & Hanalei Rivers, Kapaa, Halelea			wtr	90,000.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3828	Lihue Plantation Co., Ltd.	5/11/64-5/10/94	Por. Moloaa Forest Reserve, Papaa, Moloaa, Kawaihau	4-9-10	125.00	wtr	2,400.00
S-3829	Chiyeiko K. Yoshii & Robert A. Lemn	5/11/64-5/10/84	Lots 54, 55, & 67 por. 65, por. abandoned Maia Rd. & Lihue Plantation r/rr/w	4-8-07 & 08	4.64	agr	155.00
S-3830	Robert Y. & Shimayo Y. Hamamura	5/11/64-5/10/84	Lots 8, 9, 10, Anahola Lots, Kawaihau	4-8-11	2.21	agr	70.00
S-3831	Kauai Resort Hotel	5/18/64-5/17/2019	Lot A-2, Parts 1 & 2, Wailua Resort Site, Lihue, Kauai	3-9-06:16	2.497	bus	10,500.00
S-3832	Ichiji & Masako Matsumura	5/18/64-5/17/2019	Por. Gov't. (Crown) Land, Kapaa, Kawaihau	4-5-11 & 18	0.59	bus	1,890.00
S-3840	Kauai Resort Hotel Inc.	7/ 6/64-7/ 5/2029	Lot A-1, Wailua Resort Site Wailua	3-9-06:16	6.093	bus	18,000.00
S-3341	Wailua Beach Club & Cottage Hotel, Inc.	7/ 6/64-7/ 5/2029	Lots B, C, D, E, Wailua Resort Site, Wailua	3-9-06:17, 5, 11 & 18	22.833	bus	31,500.00
S-3842	Bank of Hawaii	7/ 6/64-7/ 5/94	Lots 88-A & 88-B, Hanapepe Town Lots	1-9-05	.452	bus	1,500.00
S-3852	U.S.A.	8/20/64-8/19/2029	Bonham A.F.B., Waimea (Kona)		189.56	fed	Gratis
S-3863	Kauai County Y.W.C.A.	4/ 1/65-3/31/2020	Lots 24 & 25 por. of Gov't. (Crown) Lands of Waimea & Kokee Park	1-4-04	3.607	rec	125.00
S-3876	Kilauea Sugar Co., Ltd.	1/11/65-1/10/85	Former Koolau School Lot, Hanalei	5-1-03:1	1.99	agr	50.00
S-3877	John M. Shimonishi	1/11/65-1/10/85	Lot 6-A, Hanapepe Rice & Kula Lots	1-9-12:11	0.95	agr	40.00
S-3878	Ume N. Oshita	1/11/65-1/10/85	Lot 80, Anahola Lots (H.H.L.) Anahola	4-8-11:45	2.357	agr	300.00
S-3879	Kauai Electric Co., Ltd.	1/11/65-1/10/2030	Hanapepe Transformer Site, Waimea	1-8-08:35	.017	r/w	26.00
S-3880	Olaf E. Thronas	1/11/65-1/10/85	Lots 32 & 33, Wailua Rice & Kula Lots, Wailua	3-9-03:5 & 10	13.830	past	120.00
S-3881	Samuel K. Thronas	2/ 9/65-2/ 8/85	Lots 23-A & 23-B Wailua Rice & Kula Lots, Wailua, Kawaihau	4-2-03:3	19.405	past	500.00
S-3882	East Kauai Water Co., Ltd.	1/11/65-5/10/94	Lot 39, Kapaa Homesteads, 1st Series, Kapaa	4-6-05:8	0.36	res	100.00
S-3883	Charles B. Shimomura	1/11/65-1/10/85	Lot 58-A, Hanapepe Town Lots, 1st Series, Hanapepe, Waimea	1-9-10:33	.181	bus	350.00
S-3884	Kauai Kai, Inc.	1/11/65-1/10/2020	Lot 12, Nawiliwili Harbor Lots, Nawiliwili, Lihue	3-2-04:9	.785	bus	2,000.00
S-3885	Manuel Andrade, Jr.	3/19/65-3/18/85	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea	1-9-12:5	3.08	agr	528.00
S-3889	Edward C. Shota	3/26/65-3/25/85	Lots 16, 17 & 18 Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:1, 3 & 4	12.300	agr	501.00
S-3890	Minoru Sugita	1/25/65-1/24/85	Lots 8-A & 8-B Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-02:12, & 12	8.430	agr	256.00
S-3892	Masao Takatsuki	1/25/65-1/24/85	Lots 12, 13, & 14, Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:12, 13 & 14	6.15	agr	180.00
S-3893	Koon Chow Lai	1/25/65-1/24/85	Lots 15 & adjoining Gov't Land, Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:7, & 10	16.85	agr	280.00
S-3894	Edward K. Taniguchi	1/25/65-1/24/85	Lots 2, 3, 26-A, 27-A, 29-A, 30-A Hanalei Homesteads, Hanalei	5-4-02:19, 20, 22, 23, & 47	13.53	past	315.00
S-3895	William E. Fernandes	1/25/65-1/24/85	Lots 26, 27, 30 & 37, Hanalei Homesteads	5-4-02:33, 36, 37 & 42	7.30	agr	150.00
S-3910	Betty Wakasa Ushigome	4/14/65-4/13/85	Lot 54-B, Hanapepe Town Lots, 1st Series, Hanapepe	1-9-10:38	.10	bus	240.00
S-3911	Kauai Electric Co.	4/14/65-4/13/2030	Por. of Gov't. (Crown) Land of Wailua & por. of Gov't. Land of N. Olohena & Waipouli, Lihue & Kawaihau, Puna	3-9-01 4-2-01 4-4-01 4-4-04	26.42	r/w	515.00
S-3913	Samuel K. Thronas	4/14/65-4/13/85	Lots 5 to 16, 5-A to 16-A Hanalei Homesteads, Hanalei (Halelea)	5-4-02:5, 9 & 15	66.70	past	400.00
S-3914	Manuel Andrade, Jr.	4/14/65-6/30/82	Lot 26, Hanapepe Rice & Kula Lots, Hanapepe	1-8-05:2	7.930	past	45.00
S-3917	U.S.A.	2/ 1/65-1/21/2030	Kokee Pacific Missile Range Facility, Waimea		22.900	fed	600.00
S-3928	U.S.A.	9/ 1/65-8/31/2030	Kokee, Waimea		8.450	fed	Gratis

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3937	County of Kauai	11/ 1/65-10/31/2030	Parcels A-1, G, H, I, J & K, Hanapepe, Waimea	1-9-04, & 07	3.151	cty	Gratis
S-3939	Pacific Hawaii Fruit Co., Inc.	12/16/65-12/15/85	Lots 32-A, 33-A, 34-A, 35-A, 38 & 40, Kapaa Homesteads, 1st Series, Kapaa, Kawaihau	4-6-05:7	4.750	agr	250.00
S-3940	McBryde Sugar	11/16/65-11/15/2030	60' wide non-exclusive easement over & across por. of Gov't. (Crown) Lands of Hanalei, Wailua & Kalaheo	5-3-01, 4-2-01, 2-4-01, 5-4-01, 2-3-01, 02 03 & 12 3-9-01, 02 4-1-03:18, & 20	74.38	r/w	925.00
S-3941	Rehabilitation Unlimited, Kauai	11/16/65-11/15/2020	Parcel B, Wailua Coconut Grove	4-1-03:18, & 20	0.813	bus	220.00
S-3942	Kauai Kai, Inc.	11/16/65-11/15/2020	Lots 10-A & 11-A Nawiliwili Harbor Lots, Nawiliwili, Lihue	3-2-04:10, & 13	.697	bus	1,800.00
S-3943	Joseph H. Chu	11/16/65-11/15/85	Lot 19, Hanapepe Rice & Kula Lots, Waimea	1-9-02:19	1.14	agr	36.00
S-3944	Pacific Hawaii Fruit Co., Inc.	11/16/65-11/15/85	Lots 40-A, 64- & 65 Kapaa, Puna (Kawaihau)	4-6-08:35	3.995	agr	57.00
S-3945	Leroy K.A. Aguiar	12/16/65-12/15/2000	Lot 35, Kapaa Homesteads, 1st Series, Kapaa, Kawaihau (Puna)	4-6-05:11	4.11	agr	600.00
S-3946	Pacific Hawaii Fruit Co., Inc.	12/16/65-12/15/85	Lots 2-B, 5 & 6, Wailua, Kawaihau (Puna)	4-1-02:23 4-1-06:3	10.323	agr	655.00
S-3952	U.S.A. (Navy)	12/17/65-12/16/2030	Waimea		248.220	fed	Gratis
S-3955	Joseph Prigge	3/19/66-3/18/86	Lots 39-A & 52 Kapaa Homesteads 1st Series, Kawaihau (Puna)	4-6-05: 5 & 12	2.60	agr	48.00
S-3956	Pacific Hawaii Fruit Co., Inc.	3/19/66-3/18/2001	Lots 39-A, 49 & 50 Kapaa Homesteads, 1st Series Kawaihau (Puna)	4-6-05:2 & 3	4.41	agr	150.00
S-3957	Joseph Julian & Eleanor L. De Costa	2/17/66-2/16/2030	Kalaheo, Koloa (Kona)	2-3-02: por. 43	.025	r/w	7.50
S-3958	Edwin Martin	3/19/66-3/18/86	Lot 33, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-04:14	9.50	past	400.00
S-3959	Frank D. Silva	3/19/66-3/18/86	Lot 3, Kapaa Rice & Kula Lots, Kawaihau (Puna)	4-3-04:9	25.71	past	703.00
S-3960	Hitoshi & Hatsue K. Miyabara	2/17/66-2/16/86	Lots 18 & 21, Hanapepe Rice & Kula Lots Kona (Waimea)	1-9-02:2 & 20	6.983	agr	160.00
S-3969	Shigeo & Eleanor K. Takeuchi	5/26/66-5/25/86	Lot 21-A, Hanapepe Town Lots, 1st Series, Waimea (Kona)	1-9-05:41	.148	bus	600.00
S-3970	Mauel Andrade, Jr.	5/26/66-5/25/86	Por. of Lots 27 & 28 & all of Lots 29 to 34 Hanapepe Rice & Kula Lots, Waimea (Kona)	1-8-05:8	22.65	past	90.00
S-3971	McBride Sugar Co., Ltd.	5/26/66-5/25/2031	Pasture Reserve C, Kalaheo Homesteads, 2nd Series, Koloa (Kona)	2-3-07: por 13	0.666	r/w	20.00
S-3972	Pacific Hawaii Fruit Co., Inc.	5/26/66-5/25/86	Por. of Gov't. (Crown) Land between Kapaa Stream & Kapaa Homesteads 1st & 3rd Series, Kawaihau (Puna)	4-6-08:23 & 24	33.000	agr	140.00
S-3973	Leialoha Dung	5/26/66-5/25/2031	Lot 25, Hanapepe Rice & Kula Lots, Waimea (Kona)	1-9-01: por. 11	.174	r/w	6.50
S-3974	Patrick M. & Clella L. Cockett	5/26/66-5/25/86	Lots 1,23,33-A,34-A & 35-A Hanalei Homesteads, Hanalei	5-4-02:26, 27 & 30	13.070	past	305.00
S-3975	Pacific Hawaii Fruit Co., Inc.	5/26/66-5/25/86	Lots, 1, 1-A, 2, 2-A, 3, 3-A, 4, 4-A, 5, 5-A, 6, 6-A, 7, 7-A, 10 & 12, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-02:1 & 13	26.720	agr	300.00
S-3976	Pacific Hawaii Fruit Co., Inc.	5/26/66-5/25/86	Lots 8, 9-A, 9, 9-A, 10-A, 11, 11-A, 12-A, 13-A, 14-A, 15-A, 16-A, 17, 17-A, 18, 18-A, 19, 19-A, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-02:17, 19, & 42	23.920	agr	300.00
S-3977	Richard Ueoka & Barbara J. Ueoka	5/26/66-5/25/2021	Lot 23, Hanapepe Town Lots, 1st Series, Waimea (Kona)	1-9-05:7	.16	bus	248.00
S-3987	Peter H. & Helen H. Souza	8/ 1/68-7/31/88	Lot 2-A, Kapaa Rice & Kula Lots, Puna, Kawaihau	4-5-15:29	.987	past	126.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3988	Joseph Texeira	7/14/66-7/13/86	Portion of Gov't. Land, Lots 20, 21, 22, 25, 26, 28 & 29-B, Kapaa Homesteads, 1st Series, Kawaihau	4-6-03	18.110	agr	500.00
S-3989	Ronald T. Matsumura & Harry Fukushima	8/13/66-8/12/86	Portion of Gov't. Land, Kapaa Homesteads, 1st Series, Lot 36, Kawaihau	4-6-05	6.240	agr	800.00
S-3990	Samuel Thronas	7/14/66-7/13/86	Portion of Gov't. Land, Hanalei Valley, Halelea	5-3-01:3 & 4	461.600	past	1,691.00
S-3991	Ernest Palmeira	7/14/66-7/13/86	Portion of Gov't. Land Kapaa Homesteads, 1st Series, Lot 13, 14, 15, 16, 30-A, 31, 31-A & 32, Kawaihau	4-6-03:1 & 2	15.560	past	120.00
S-3992	A. Duncan MacLean	7/14/66-7/13/2031	Portion of Gov't Land, Lawai, Koloa	2-5-02:16	.037	r/w	18.00
S-3993	Ichiji Matsumura & Masako Matsumura	7/14/66-7/13/2001	Portion of Gov't. Land Kapaa Homesteads, 1st Series Lot 37, Kawaihau	4-6-05	3.000	agr	630.00
S-3994	Joseph Texeira	7/14/66-7/13/86	Portion of Gov't Lands, Kapaa Homesteads, 1st Series, Lots 20-A, 21-A, 22-A, 23, 23-A, 24, 24-A, 25-A, 26-A, 27, 27-A, 28-A, 29-C, 30, Kawaihau	4-6-03:4, 9, 10, 11, 14, 15, 19, 20 & 21	14.090	agr	801.00
S-3995	Peter H. Souza & Helen H. Souza	7/14/66-7/13/86	Portion of Gov't Land, Kapaa R & K Lots, Lot 2-A-2, Kawaihau	4-5-15	10.562	agr	240.00
S-4021	Manuel J. Fernandes	11/17/66-11/16/86	Gov't. Land & Spring Res., Kalaleo, Koloa	2-4-01:5 2-4-02:1	1.760	past	48.00
S-4022	Hawaiian Telephone Co.	11/17/66-11/16/2031	Portion of Lot 2-A-2, Kapaa Rice & Kula Lots, Kawaihau	4-5-15: por. 8	.156	r/w	6.00
S-4023	Tetsuro, Maeda & Yoshio Hiranaka, dba T&Y	11/17/66-11/16/2021	Lot 9, Nawiliwili Harbor Lots, Nawiliwili, Lihue	3-2-04:1	.618	bus	1,200.00
S-4030	Henry I & Margaret K. Nosaka & Wallace K. & Mikie N. Karimoto	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	.730	res	89.00
S-4031	William Alexander, Benjamin Alexander, & Henry Alexander	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.920	res	118.00
S-4033	Lawrence & Daisy Vidinha	10/31/70-12/31/85	Puu Ka Pele, Waimea	1-4-02:21	.80	res	103.00
S-4034	G.M. Coney, William H. Coney, Harvey A. Hutton, Malcolm G. Hutton & Clarrissa G. Gerdes	1/ 1/66-12/31/85	Puu Ka Pele, Waimea		.790	res	101.00
S-4035	Yoshinari Shimatsu & Donald Shimatsu	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.99	res	107.00
S-4036	Bishop Trust Co., Ltd. Trustee for Elizabeth Middleton & Barbara H. Davis	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.070	res	144.00
S-4037	George K. Yamamoto & Katherine K.J. Yamamoto	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.910	res	104.00
S-4039	Bert O. Wade & Marion C. Wade	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.030	res	120.00
S-4040	Beverly P. Brun & Violet V. Prigge	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-02	1.030	res	118.00
S-4041	Joseph DeCosta, Sr. & Jean E. Nadatani	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.010	res	111.00
S-4042	Manuel B. & Katherine Martin	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.01	res	116.00
S-4043	Hawaiian Association of Seventh-Day Adventists	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.010	res	121.00
S-4044	Anna L. Knapp	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-02	1.010	res	127.00
S-4045	Tsukasa Miyake & Mitsuyo U. Miyake	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-02	1.050	res	114.00
					.900	res	109.00

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S-4046	Joaquin S. Arruda & Lucy C. Arruda	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.08	res	129.00
S-4047	Ah Wo Ahana & Hatsue Ahana, Calvin Tokita & Phylis Tokita	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	3.660	res	124.00
S-4048	Valdemar Knudsen & Helen L. Knudsen	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	3.660	res	271.00
S-4049	Charles T. & Alice J. Wallis	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.050	res	86.00
S-4050	William A. & Marjorie I Thiis	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.980	res	81.00
S-4051	John F. & Gay Lee Bylander	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.960	res	85.00
S-4052	John S. & Helen E. Sheehan	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	.810	res	62.00
S-4053	Charles A. & Rebecca R. Harker	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.790	res	68.00
S-4054	Hans W. & Anna J. Hansen	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.470	res	109.00
S-4055	Hong Min & Violet C.L. Hee	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	2.000	res	197.00
S-4056	W. Harwood Danford & Harwood Danford Williamson	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.820	res	140.00
S-4057	Howard D. Briner & Norma Briner	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	1.660	res	126.00
S-4058	Leonard H. & Alma B. Zalopany	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.710	res	53.00
S-4059	John C. & Dorothy Ann F. Hance	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.840	res	73.00
S-4060	Patricia Smith Rice	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	1.900	res	138.00
S-4061	Juliet Rice Wichman	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.680	res	51.00
S-4062	John H.R. Plews	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.010	res	78.00
S-4063	Edith Rice Plews	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.460	res	126.00
S-4064	Satoru Kudaishi & Jean M. Kudaishi	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.770	res	54.00
S-4065	George R. Ewart, III	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.44	res	143.00
S-4066	Kenneth R. & Catherine K. Harding	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	1.110	res	77.00
S-4067	Sterling E. & Bonnie C. Dunford and William S. Dunford	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.210	res	84.00
S-4068	Lindsay A. & Roberta I. Faye	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.80	res	69.00
S-4069	Alfred J. & Elizabeth K. Toulon & Wilfred J. & Anne K. Baldwin	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.960	res	83.00
S-4070	Ritchie A. & Mary M.B. Gentry	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.440	res	108.00
S-4071	Kathryn T. Dinham	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.07	res	85.00
S-4072	John Rapozo, Jr. & Norman Ropozo	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.290	res	25.00
S-4073	George G. & Mary D.C. Silva	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	.530	res	39.00
S-4074	Edwin T. & Hong Lin W. Petteys & Edwin O.P. Petteys & Lottie K.L.P. Wolfe & Charles Q.S. Petteys	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04:68	.56	res	40.00
S-4074	Richard and Concepcion Vidinha	1/ 1/66-12/31/80	Puu Ka Pele Waimea	1-4-04	.550	res	43.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4076	Frank & Miriam G. Rita	1/ 1/66-12/31/80	Puu Ka Pele Waimea	1-4-04	.670	res	53.00
S-4077	Joseph & Violet Rita	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.790	res	56.00
S-4078	Martin & Janine F. Reis	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.440	res	33.00
S-4079	Donald L. & Sue R. Plucknett	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04:48	.580	res	47.00
S-4080	Ichiro Okada & Elsie H. Okada	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.530	res	43.00
S-4081	William R. Warren	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	1.200	res	83.00
S-4082	Nelson K. Hardenbergh	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-03:9	1.420	res	105.00
S-4083	Kenji Ego & Winifred S.L. Ego	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.930	res	72.00
S-4084	Kathryn Hulme & Marie L. Habets	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.510	res	35.00
S-4085	Melvin P. Christian Annie K. Christian	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.650	res	55.00
S-4086	Wilson M. Pang & Alica A. Pang	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	.900	res	69.00
S-4087	Mina M. Marcellino	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-04	.620	res	46.00
S-4088	John R. Laidlaw & Marguerite G. Laidlaw	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.690	res	48.00
S-4089	Glenn C. & Linda Stater	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-04	1.320	res	86.00
S-4090	Arthur R. & Lois L. Glaisyer	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-04	.400	res	35.00
S-4091	Joe T. Orrick & Betty W.S. Orrick	1/ 1/66-12/31/85	Kokee Camp Site	1-4-04	.31	res	29.00
S-4092	Samuel K. Thronas	2/16/67-2/15/2002	Parcels A & B, Wailua Game Reserve, Wailua North & South Olohana, Waipouli, Kapaa, Kawaihau	4-2-91:1 4-4-01:1	1,855.00	past	2,030.00
S-4103	Hawaiian Association of Seventh-Day Adventists	2/14/68-2/13/2033	Hanapepe, Waimea (Kona)	1-9-07: por. 5	.91	ele	713.00
S-4128	Boy Scouts of America, Aloha Council	12/ 1/67-11/30/2022	Waimea Canyon Park, Waimea (Kona)	1-4-01	29.00	ele	120.00
S-4132	F.W. Broadbent, Dora B. Pratt & Alice B. Crabbe	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.02	res	117.00
S-4135	McBryde Sugar Co.	11/29/67-11/28/2032	Waimea (Kona)	1-9-03	1.710	r/w	26.00
S-4140	W & N Corporation	2/14/68-2/13/2023	Lihue (Puna)	3-9-04:2	22.160	ind	8,688.00
S-4142	Hawaii Conference, United Church of Christ	1/ 1/66-12/31/85	Kokee Camp Site	1-4-04	.500	res	35.00
S-4143	J. Albert & Ruth W. Roesch	1/ 1/66-12/31/80	Kokee Camp Site	1-4-04	1.030	res	89.00
S-4144	Donn A. Carswell & Gala F. Carswell	1/ 1/66-12/31/85	Kokee Camp site	1-4-04	1.000	res	69.00
S-4145	Kenneth T. & Claire T. Perreira	1/ 1/66-12/31/75	Kokee Camp site	1-4-04	.830	res	64.00
S-4146	Manual S. Andrade, Jr. & Mae Andrade	1/ 1/66-12/31/75	Kokee Camp site	1-4-04	.700	res	49.00
S-4147	Ginevra C. Waterhouse	1/ 1/66-12/31/80	Kokee Camp site	1-4-09	.500	res	35.00
S-4148	August & Eliz. H. Camara, Manuel & Pearl L. Camara, Ernest & Katherine P. Camara	1/ 1/66-12/31/80	Kokee Camp site	1-4-04	.500	res	41.00
S-4149	Manuel G. Silva & Placida Y. Silva	1/ 1/66-12/31/75	Kokee Camp site	1-4-04	.560	res	40.00
S-4150	Lillian M. Uchiyama	1/ 1/66-12/31/85	Kokee Camp site	1-4-04	.58	res	43.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4151	Sam H. Tao & Dorothy M. Tao	1/ 1/66-12/31/80	Kokee Camp site	1-4-04	.590	res	46.00
S-4152	Joseph A. Soares & Margaret Soares	1/ 1/66-12/31/85	Kokee Camp site	1-4-04	.540	res	40.00
S-4153	Conrado & Eufemia C. Edayan	1/ 1/66-12/31/80	Kokee Camp site	1-4-04	.47	res	34.00
S-4154	Koichi Ikeda & Asayo I. Ikeda	1/ 1/66-12/31/80	Kokee Camp site	1-4-04	.42	res	36.00
S-4115	William M. Moragne, Jr., & Jean B. Moragne	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.970	res	112.00
S-4156	Hajime Takanishi & Kimiyo O. Takanishi	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.970	res	112.00
S-4157	Carlo Panfiglio & Arthur E. Smith	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-20:32	1.130	res	122.00
S-4158	Virginia C. Rapozo & Emily C. Souza	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.060	res	145.00
S-4159	Hong Shin Hee & Lin Kiu Hee	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.990	res	107.00
S-4160	Maria K. Cox	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	.950	res	112.00
S-4161	David T. Silver & Adele L. Silver	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.000	res	122.00
S-4162	Hawaii Methodist Union	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:2, 24, & 87	3.050	res	371.00
S-4163	Hideo L. Nakamura & Shigeyo O. Nakamura	1/ 1/66-12/31/80	Puu Ka Pele, Waimea	1-4-02	1.06	res	131.00
S-4164	Masako Y. Kitamura & Hisao Munechika	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.050	res	121.00
S-4165	Daniel Manus, Sr. & C. Manus	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.030	res	120.00
S-4166	Manuel Perreira & Alga H. Perreira	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	.820	res	94.00
S-4167	Wayne Sakai & Dennis M. Sakai	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.890	res	96.00
S-4168	Marvin A. Brennecke	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.040	res	140.00
S-4169	Arthur G. Kruse & Mary T. Kruse	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:10	1.000	res	121.00
S-4170	Shigeo Nitta & Hisako U. Nitta	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.850	res	103.00
S-4171	Franklin & Patricia Ventura	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.000	res	128.00
S-4172	Max F. Yamasaki & Lillian H. Yamasaki	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.000	res	121.00
S-4173	William E. Fernandes & Evelyn P.O. Fernandes	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.130	res	122.00
S-4174	William Vierra & Helen S. Vierra	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.120	res	129.00
S-4175	James K. & Shizue Okada, Yoshimasa & Edith Fujimura	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.150	res	140.00
S-4176	George A. Kruse & Martha S. Kruse	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.000	res	128.00
S-4177	Emily K. Zuttermeister	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.01	res	116.00
S-4178	Choshi Nakaya & Mitsuyo Y. Nakaya	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.050	res	128.00
S-4179	Seichi Yokoyama & Vera Yokoyama	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.950	res	115.00
S-4180	Richard H. Nagoshi & Wallace K. Tasaka & Yuriko N. Tasaka	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:66	.870	res	106.00
S-4181	Sutezo Makai & Hatsue I. Makai	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.790	res	96.00
S-4182	Mervin K. Kaohi, Sr. & Aletha Goodwin Kaohi	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.900	res	103.00
S-4183	Henry T. Tanaka & Michie S. Tanaka	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.960	res	104.00
S-4184	Isaac W. Kaiu & Gladys Y. Kaiu	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.980	res	106.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4185	Alec Blackstad & Agnes L. Blackstad	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	1.110	res	127.00
S-4186	Ichiro Inouye & Akiyo M. Inouye	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02:81	1.000	res	128.00
S-4187	Harry I. Hamada & Agnes K. Hamada	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	.820	res	89.00
S-4188	Lawrence E. Jordan & Cheryl M. Jordan	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	.990	res	107.00
S-4199	Construction Materials Hawaii, Inc.	11/26/68-11/25/78	Waimea (Kona)	1-8-08:35	5.883	ind	5,000.00
S-4200	William E. Fernandes	8/ 1/68-7/31/2023	Kawaihau (Puna)	4-5-15: por. 3	2.035	ind	825.00
S-4208	Richard O'Neal & Helen Olga Hansen O'Neal	1/ 1/66-12/31/75	Lot 51, Kokee Camp site	1-4-04	.580	res	50.00
S-4213	George R. & Leonicia M.S. Susterich	1/ 1/66-12/31/75	Lot 79, Kokee Camp site	1-4-04	.54	res	41.00
S-4214	Ruth K. Hanner	1/ 1/66-12/31/85	Puu Ka Pele, Waimea	1-4-02	.720	res	89.00
S-4215	Lawrence Goodwin & Annie Goodwin	1/ 1/66-12/31/75	Puu Ka Pele, Waimea	1-4-02	1.03	res	117.00
S-4221	Daniel H. Foster & Dorothea Foster	10/ 1/68-12/31/80	Puu Ka Pele, Waimea	1-4-02	1.060	res	120.00
S-4222	Kekaha Sugar Co., Ltd.	1/ 1/69-12/31/93	Waimea (including Hawaiian Home Land) (Kona)	1-2-02	27,833.57	cane	413,800.00
S-4240	University of Hawaii	4/25/69-4/24/84	Wailua, Kawaihau (Puna)	4-1-01 & 02	9.83	agr	Gratis
S-4243	Kauai Pacific Associates	5/13/69-5/12/2034	Wailua Resort Site, Wailua, Lihue	3-9-02: por. 4	9.14	bus	170,000.00
S-4244	Island Holidays, Ltd.	5/13/69-5/12/2034	Parts 1 & 2 Wailua Kawaihau, (Puna)	4-1-05	.09	bus	730.00
S-4245	Hawaiian Trust Co. (will of Jean Faye)	1/ 1/66-12/31/75	Lot 40, Kokee Camp site, Kokee	1-4-04	1.11	res	76.00
S-4250	Honolulu Gas Co., Ltd.	9/ 9/69-9/ 9/2023	Kauai	3-2-03	1.614	ind	3,770.00
S-4254	Jeronimo Santos and Carolina Mayo Santos	8/12/69-8/11/2024	Lot 5, Kekaha Town Lots	1-3-03:40	.302	bus	515.00
S-4256	Kekaha Sugar Co., Ltd.	8/12/69-8/11/89	Waimea (Kona)	1-5-01	6.250	wtr	6,000.00
S-4257	Hiroshi Azeka	8/12/69-8/11/2019	Lots 3 & 4, Kapaa Town Lots, Kawaihau (Puna)	4-5-09:08	.351	bus	733.00
S-4259	U.S.A. (Army)	6/17/69-6/16/74	Parcels 1 & 2, Kokee State Park		1.343	fed	Gratis
S-4265	Kauai Electric Co., Ltd.	3/15/66-3/14/2031	Wailua, Lihue	3-9-06:9	.158	r/w	288.00
S-4275	Katsuyoshi & Jane Kurokawa	1/27/70-1/26/2025	Lot 83, Hanapepe Town Lots, Waimea (Kona)	1-9-05	.323	bus	632.00
S-4276	Iolani Sportswear, Ltd.	1/27/70-1/26/2035	Lot 22, Hanapepe Business Lots, Waimea (Kona)	1-8-08	1.233	bus	1,970.00
S-4277	Jerry Louis Ornellas	1/27/70-1/26/95	Parcel B-1, Kapaa, Kawaihau (Puna)	4-404: por. 5	51.240	past	1,550.00
S-4278	Mid Pac Development, Ltd.	1/27/70-1/26/2020	Kekaha, Waimea (Kona)	1-2-02	7.224	bus	12,400.00
S-5007	University of Hawaii	6/01/67-5/31/87	Lihue-Koloa Forest Reserve, Koloa	2-4-09	.014	ele	Gratis
S-4038	Richard Vierra & Kathleen Vierra, Joseph Vierra & Clara Vierra	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai		1.030	res	125.00

DIVISION OF STATE PARKS

Table 1. STATE PARK AREAS, ACREAGE, AND USAGE, BY ISLAND AND AREA: ENDING June 30, 1971.

Island and State Park Area	Year Estab.	Total Acreage	Developed Acreage	FY 1969-70 Recreation Visits (1,000) ¹	FY 1970-71
All State Park Areas	—	15,583.7	487.7	9520	13,007
HAWAII	—	1,446.1	206.3	2,075	2,205
Akaka Falls State Park	1952	65.4	6.0	153	181
Hapuna Beach State Park	1967	300.0 ⁴	10.0	288	269
Hikiau Heiau State Monument	1967	2.0 ⁴	2.0	15	16
Hulihee Palace State Monument	1968	1.3	1.3	20	23
Kalopa State Recreation Area	1967	100.0 ⁴	15.0	—	20
Kilauea State Recreation Area	1966	7.0 ⁴	1.0	1	1
Lava Tree State Monument	1956	17.1	10.0	46	43
MacKenzie State Park	1955	13.1	6.0	25	29
Manuka State Wayside	1952	13.2	8.0	91	69
Mauna Kea State Park	1962	700.0 ⁴	17.0	66	78
Wailoa River State Recreation Area	1954	146.0 ⁵	115.0	682	813
Wailuku River State Recreation Area	1967	81.0 ⁴	15.0	687	663
MAUI	—	160.2	37.0	1,056	1,112
Hale Kii-Pihana State Monument	1962	10.2	1.0	7	10
Iao Valley State Park	1961	3.7	3.0	464	499
Kaunahina State Wayside	1952	7.8	2.0	61	70
Keanae Valley State Wayside	1952	1.5	.5	52	56
Launiupoko State Wayside	1965	4.0 ⁴	4.0	181	314
Poli Poli Spring State Recreation Area	1957	2.0 ⁴	1.0	1	2
Puaa Kaa State Wayside	1954	5.0 ⁴	1.5	57	48
Wahikuli State Wayside	1969	6.0 ⁴	6.0	197	81
Waiianapanapa State Park	1966	120.0 ⁴	18.0	36	32
MOLOKAI	—	233.7	10.0	2 ⁷	
Palaaui State Park	1955	233.7	10.0	2 ⁷	
OAHU	—	5,928.7	77.4	3,119	3,644
Diamond Head State Monument ²	1962	145.3	9.0	4	5
Iolani Palace State Monument	1967	10.6	8.0	329	491
Keaiwa Heiau State Recreation Area	1955	384.0 ⁵	15.0	198	261
Puu O Mahuka State Monument	1962	4.0	3.0	8	8
Puu Ualakaa State Wayside	1957	10.0 ⁴	8.0	199	229
Royal Mausoleum State Monument	1968	3.3	3.0	29	26
State Capitol	1969	10.0 ⁶	5.0	—	—
Ulu Po Heiau State Monument	1954	1.4	1.4	4	4
Waahila Ridge State Recreation Area	1967	40.0 ⁴	15.0	20	30
Washington Place State Monument	1966	3.1	3.0	—	—
Nuuanu Pali State Wayside	1964	5.0 ⁴	1.0	2,000 ⁷	2,000
Kahana Valley State Park	1970	5,260.0	—	—	—
Waimanalo Bay State Recreation Area	1970	20.0 ⁶	6.0	67	90
Magic Island State Recreation Area	1970	32.0 ⁶	—	261	500
KAUAI	—	7,815.0	157.0	3,268	6,046
Kokee State Park	1952	4,640.0	55.0	521	623
Na Pali Coast State Park	1962	55.0 ⁴	4.0	6	6
Polihele State Park	1967	140.0 ⁴	20.0	106	12
Wailua River State Park ³	1954	1,113.6	68.0	2,261	4,995
Waimea Canyon State Park	1952	1,866.2	10.0	374	410

¹ Estimated visits, one visitor may account for more than one visit.

² Includes Na Laau Arboretum (9.5 acres).

³ Includes Wailua River Reserve (884.2 acres); Kaunualii (3.9 acres); Fern Grotto (14.6 acres); Boat Basin (11.4 acres); Poliahu (162.2 acres); Lydgate (37.2 acres).

⁴ Acquired jurisdiction; no definite boundaries yet established; estimated acreage.

⁵ Acquired jurisdiction of additions; new boundaries not yet established, estimated acreage.

⁶ Acquired maintenance responsibility; estimated acreage.

⁷ Limited current data available (Nuuanu Pali based on 1963 estimate of 1,000,000 visits).

Table 2. STATE PARK REVENUES, BY SOURCE, 1970.

Income Source	Amount
Total	\$151,197.63
Rentals, recreation residence lots, Kokee and Waimea Canyon State Parks, Kauai	12,212.88
Rentals, vacation cabins and lodgings, State operated, all parks	60,593.94
Lease of concessions, Kokee and Wailua River State Parks, Kauai	41,294.42
Mooring fees, Wailua River State Park Marina, Kauai	4,305.22
Sale of water, all parks	6,040.83
Sale of electricity, Wailua River Recreation Area Pavilions	1,213.57
Commissions and sales, miscellaneous, all islands	805.73
Sale of Publications	307.50
Transportation Services, Wailua River State Park Marina, Kauai	24,423.54

Table 3. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS, EXPENDITURE AND REVENUE BY YEARS—1952-1970

Year ¹	Number of Areas	Acreage ²	Estimated Recreation Visits	Operating Cost Per Visit	Total	Operating	C.I.P. ²	Program Revenues
1952	5	5,422	NA	NA	NA	NA	NA	NA
1953	7	5,500	76,000	16.4¢	12,458	12,458	—	NA
1954	9	5,739	79,000	24.6¢	19,469	19,469	—	NA
1955	14	5,829	148,000	8.5¢	20,109	12,575	7,534	NA
1956	15	5,846	154,000	8.5¢	28,914	13,102	15,812	NA
1957	16	6,138	164,000	8.2¢	25,473	13,432	12,041	NA
1958	18	6,166	239,000	5.9¢	16,134	14,134	2,000	NA
1959	18	6,166	243,000	9.0¢	24,695	21,712	2,983	NA
1960	18	6,166	267,000	14.1¢	49,445	37,549	11,896	NA
1961	18	6,166	297,000	27.1¢	542,905	80,558	462,347	9,337
1962	21	6,410	489,000	24.5¢	482,150	119,676	362,474	4,557
1963	23	6,410	666,000	26.2¢	387,918	174,764	213,154	11,684
1964	22	6,412	1,196,000	16.9¢	492,666	202,184	289,482	20,433
1965	22	7,514	1,893,000	10.3¢	860,307	195,506	664,801	21,207
1966	27	7,514	2,710,000	9.5¢	2,256,056	256,824	1,999,232	24,428
1967	34	7,536	3,204,000	10.0¢	1,904,582	320,187	1,584,395	34,650
1968	36	7,541	4,767,000	7.8¢	2,365,088	373,339	1,991,749	50,905
1969	38	8,231	6,142,000	7.8¢	2,820,857	479,371	2,341,486	83,038
1970	41	15,084	9,520,000	6.8¢	3,283,580	647,757	2,635,823	113,552

NA—Not Available.

¹ Year ended June 30.² Parks for which boundaries are not yet established are not included prior June 30, 1970³ Capital improvement program including land acquisition.**Table 4. STATE PARK EXPENDITURE AND REVENUES BY ISLANDS: YEAR ENDING JUNE 30, 1970**

Island	Operating Cost Per Visit	Expenditures in Dollars			Program Revenues ¹
		Total	Operating	C.I.P.	
Hawaii	9.2¢	556,331	190,953	365,378	19,998
Maui	6.3¢	655,451	66,759	588,692	21,072
Molokai	49.6¢	3,359	992	2,367	—
Oahu ²	7.5¢	1,480,042	233,781	1,246,261	—
Kauai	4.8¢	588,397	155,272	433,125	72,100

¹ Not included; Commissions and Sales, miscellaneous, all islands.² Includes Honolulu administration office.

FY 1970-71 CIP EXPENDITURES FOR ANNUAL REPORT

Source: IBM Ledger 6/30/71

Project	Allotment Account	Expenditure
Magic Island Development	B-61-330	23,168.83
Kanaha Pond, Maui	B-62-312	2,271.00
Dev. Peacock Flats, Oahu	B-62-323	- 0 -
Public Access to Lands within Forest Reserves, Oahu	B-62-325	246.18(-)
Historic Sites, Hawaii	B-62-333	253.67
Kahana Valley Park, Oahu	B-63-308	1,459.36
New State Park between Wailuku & Kahului	B-63-316	- 0 -
Waahila Ridge Development	B-63-324	2,397.34
Major State Park, Maui	B-64-361	- 0 -
Other Parks & Parkways, Maui	B-64-362	4,180.21
Akaka Falls, Hawaii	B-64-368	10,751.70
Koloa State Park	B-64-374	- 0 -
S. Pacific Pool Improvement, Kilauea, Kauai	B-64-375	9,050.57(-)
Kukui Grove, Iao Valley, Maui	B-65-325	- 0 -
Mauna Kea Park, Hawaii	B-65-330	2,917.10
Wahiawa Valley, Kalaheo, Kauai	B-65-333	17,843.42
Magic Island Development, Oahu	B-65-340	478,826.92
Akaka Falls Parks & Road, Hawaii	B-65-368	- 0 -
Other Big Island State Parks	B-65-369	12,964.44
Iolani Palace Repairs to throne room ceiling	B-65-801	13,500.00
Improvements to Royal Mausoleum Grounds, Nuuanu, Oahu	B-65-803	1,568.00
Historic Sites, All Islands	B-66-301	30.20
Iao Valley State Park, Maui	B-66-307	39,103.45
Kahana Valley State Park, Oahu	B-66-308	69,010.63
State Parks on Maui	B-66-309	155,788.81
Recr. Facil. & Fire Cache at Kalopa & Honokaaia	B-66-314	- 0 -
MacKenzie State Park, Kona, Hawaii	B-66-317	717.64
Na Pali Coast State Park, Kauai	B-66-324	833.92(-)
Hanapepe Salt Pond Development	B-66-348	604.79
Nuuanu Pali State Park	B-66-356	3,198.05
Hapuna Beach State Park, Hawaii	B-66-364	1,538.45
St. Monuments, All Islands	B-67-301	2,742.53
Palaau State Park, Molokai	B-67-313	6,942.26
Maalaea-Kaanapali State Parkway, Lahaina, Maui	B-67-314	3,738.38
Recr. Facility, Waipio Beach, Hawaii	B-67-316	- 0 -
MacKenzie State Park, Hawaii	B-67-317	15.26
Kalapana Development, Hawaii	B-67-318	110.16
Haena State Park, Kauai	B-67-322	110,040.94
Russian Fort, Kauai	B-67-323	1,477.41
Na Pali Coast State Park, Kauai	B-67-324	- 0 -
Mauna Kea State Park, Hawaii	B-67-330	994.37
Wailoa River State Recreation Area, Hawaii	B-67-332	48,815.00
Kokee-Waimea Canyon State Park, Kauai	B-67-336	42,852.54
Waianapanapa Caves State Park, Hana, Maui	B-67-352	8,198.83
Keaiwa Heiau State Recreation Area, Oahu	B-67-357	712.38
Hapuna Beach State Park, Hawaii	B-67-364	66,389.55
Akaka Falls Cable Car, Hawaii	B-67-368	- 0 -
Iolani Palace Restoration	B-67-801	60,000.00
Iolani Barracks Restoration	B-67-802	13,475.95
Palaau State Park, Molokai	B-68-313	74,956.60
Kokee-Waimea Canyon-Na Pali-Polihi Park	B-68-336	64,239.89
Iolani Barracks Restoration	B-68-351	150,000.00
Leeward Oahu Railway Park	B-68-352	- 0 -
Wailuku River Recreation Area, Hawaii	B-68-362	11,154.60
Statewide Archaeological & Historical Preservation	B-69-401	93,545.28
Iolani Palace & Barracks Restoration	B-69-408	228,041.00
Makua-Kaena Point State Park, Oahu	B-69-409	1,394.16
Waimanalo Bay State Recreation Area, Oahu	B-69-410	50,000.00
Wahiawa Fresh Water Park, Oahu	B-69-411	45,999.45
Makua Valley State Park, Oahu	B-69-412	- 0 -
Iao Valley State Park, Maui	B-69-418	- 0 -
Waianapanapa State Park, Maui	B-69-419	8,931.86
Wahikuli Wayside State Park, Maui	B-69-420	1,063.24
Launiupoko State Park, Maui	B-69-421	37,007.90
Palaau State Park, Molokai	B-69-422	43,193.82
Kealahou Bay State Historic Park, Hawaii	B-69-435	7,423.73
Kiholo Bay State Park, Hawaii	B-69-436	94.90
Kalapana Development, Hawaii	B-69-437	- 0 -
Kalapana Canoe Landing, Hawaii	B-69-438	273.04
Wailuku Park, Hawaii	B-69-439	64,000.00

Project	Allotment Account	Expenditure
Wailoa Park, Hawaii	B-69-440	50,000.00
Kalopa Park, Hawaii	B-69-441	933.03
Instaln. Pipeline Ext. to Lava Tree State Park, Puna	B-69-442	- 0 -
Haena State Park, Hanalei, Kauai	B-69-463	200,000.00
Wahiawa Valley, Kalaheo, Kauai	B-69-465	- 0 -
Development Plans, Kauai Parks	B-69-466	- 0 -
Wailua River State Park, Kauai	B-69-467	23,234.43
Archaeological & Historical Preservation Statewide	B-70-401	- 0 -
State Underwater Parks Statewide	B-70-402	- 0 -
Kahana Valley State Park, Koolauloa, Oahu	B-70-409	- 0 -
Makua-Kaena Point State Park, Oahu	B-70-410	- 0 -
Plans Compr. Pk. Sys. Manoa-Moiliili-McCully	B-70-411	- 0 -
Waahila Park, Oahu	B-70-412	31,275.78
Waianapanapa Caves State Park, Hana, Maui	B-70-419	- 0 -
Palaau State Park, Molokai	B-70-420	- 0 -
Maalaea-Kaanapali Wayside Park, Maui	B-70-421	- 0 -
Wahikuli Wayside State Park, Phase II, Maui	B-70-422	- 0 -
Hapuna Beach State Park, S. Kohala, Hawaii	B-70-431	43,500.00
Wailuku River State Recreation Area, S. Hilo	B-70-432	- 0 -
Wailoa State Park, Hawaii	B-70-434	23,129.00
Kalapana & Kaimu Beach Development, Hawaii	B-70-435	- 0 -
Archaeological & Historic Site Preservation & Pk. Dev.	B-70-436	- 0 -
Kalopa State Park, Hamakua, Hawaii	B-70-437	- 0 -
Haena State Park, Hanalei, Kauai	B-70-445	300,000.00
Russian Fort St. Monument, Waimea, Kauai	B-70-446	- 0 -
Wahiawa Mauka State Recreation Area, Kauai	B-70-447	- 0 -
Kokee-Na Pali State Park Complex, Kauai	B-70-448	- 0 -
Wailua River State Park, Kauai	B-70-449	8,880.84
Kokee-Kalalau Road, Kauai	B-70-450	2,228.66
Nuuanu Pali State Park Plans & Construction	B-70-501	- 0 -
Waimanalo Bay Recreation Area Plans & Construction	B-70-502	- 0 -
Makiki-Tantalus St. Park Complex Plans & Constr.	B-70-503	- 0 -
Wahiawa Fresh Water Park Plans and Construction	B-70-504	- 0 -
Park at Anuenue, Oahu, Plans & Construction	B-70-530	3,288.90
Waimea Pier, Kauai (S.P.)	B-70-802	- 0 -
Pohakuloa Camp, Hawaii	G-59-307	48.63
Iolani Palace Rehabilitation	G-60-801	44.87
Pupukea Forest Park, Oahu	G-61-317	- 0 -
Dev. Peacock Flats, Oahu	G-62-323	- 0 -
Kukui Grove Iao Valley	G-65-325	3,126.63
Pur. Land & Bldgs. belonging to Matson Navigation, Maui	G-65-326	- 0 -
Wahiawa Valley, Kalaheo, Kauai	G-65-333	614.88
Akaka Falls Park & Road, Honomu, Hawaii	G-65-368	3,973.95
Other Big Island State Parks	G-65-369	1,416.82
Iolani Palace, Honolulu	G-65-801	95.16
State Capitol Building	G-65-802	357.06
Improvements to Royal Mausoleum Grounds, Nuuanu, Oahu	G-65-803	692.55
Wailua River State Park, Kauai	G-66-335	7,736.01
Hapuna Beach State Park, Hawaii	G-66-364	1,794.66
Kahana Valley State Park, Koolauloa, Oahu	G-67-308	604.02
Kahana Valley State Park, Oahu	G-68-308	73,140.80
Kahana Valley State Park, Koolauloa, Oahu	G-69-407	- 0 -
TOTAL		\$2,859,905.05

WAIMANALO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1970					
July	15,318,809	921.208	\$ 2,303.15	\$1,225.51	\$ 3,528.66
August	18,524,012	921.208	2,303.15	1,481.91	3,785.06
September	16,388,890	921.208	2,303.15	1,311.11	3,614.26
October	3,381,601	921.208	2,303.15	270.51	2,573.66
November	1,142,762	921.208	2,303.15	91.41	2,394.56
December	1,523,547	921.208	2,303.15	121.88	2,425.03
1971					
January	729,848	921.208	2,303.15	58.39	2,361.54
February	4,260,855	921.208	2,303.15	340.85	2,644.00
March	8,184,560	921.208	2,303.15	654.76	2,957.91
April	3,664,967	921.208	2,303.15	293.22	2,596.37
May	15,433,305	921.208	2,303.15	1,234.70	3,537.85
June	13,386,346	921.208	2,303.15	1,070.89	3,374.04
TOTALS	101,939,502	—	\$27,637.80	\$8,155.14	\$35,792.94

LALAMILO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1970					
July	11,536,130	204	459.00	788.21	1,247.21
August	8,729,670	205	461.25	609.68	1,070.93
September	12,164,940	205	461.25	852.46	1,313.71
October	12,108,810	205	461.25	829.20	1,290.45
November	6,069,460	205	461.25	434.76	896.01
December	6,685,890	205	461.25	476.17	937.42
1971					
January	908,930	205	461.25	69.11	530.36
February	5,520,835	205	461.25	387.52	848.77
March	7,313,170	205	461.25	517.06	978.31
April	6,932,650	205	461.25	486.57	947.82
May	14,074,860	205	461.25	949.72	1,410.97
June	10,351,620	205	461.25	710.54	1,171.79
TOTAL	102,396,965	—	5,532.75	7,111.00	12,643.75

MOLOKAI IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1970					
July	91,857,000	7356	\$7,893.40	\$7,351.44	\$15,244.84
August	87,284,000	7354	7,371.20	6,982.68	14,353.88
September	73,692,000	7355	7,372.85	5,898.24	13,271.09
October	68,576,000	7359	7,378.90	5,495.36	12,874.26
November	63,447,000	7359	7,376.15	5,133.60	12,509.75
December	18,585,000	7382	7,413.36	6,156.08	13,569.44
1971					
January	4,451,000	7383	7,403.65	379.44	7,783.09
February	4,404,000	7412	7,451.46	360.64	7,812.10
March	37,833,000	7413	7,435.55	3,034.96	10,470.51
April	12,424,000	7413	7,437.75	1,004.48	8,442.23
May	19,943,000	7415	7,438.85	1,606.64	9,045.49
June	56,227,000	7621	7,748.82	4,518.00	12,266.82
TOTAL	538,723,000	—	\$89,721.94	\$47,921.56	\$137,643.50

Table I. STATUS OF FLOOD CONTROL INVESTIGATION STUDIES AND PROJECTS**A. Investigation Studies of Flood Control Projects**

The following is a list of projects presently being studied by the Corps of Engineers and Soil Conservation Service to determine their economic feasibility and qualification for federal assistance.

Project	Authority
Aiea Stream, Oahu*	Sec. 205 of the 1948 Flood Control Act as amended
Waialae Nui and Kapakahi Streams, Oahu*	amended
Wailupe Stream, Oahu*	"
Waimano Stream, Oahu*	"
Palolo-Manoa Stream, Oahu*	P.L. 81-516
Kaneohe-Kailua area, Oahu*	P.L. 89-298
Iao Stream, Maui*	P.L. 85-516
Kahoma Stream, Hawaii*	P.L. 86-645
Waipio Stream, Hawaii*	P.L. 87-874
Kalihi Stream, Oahu*	P.L. 90-483
Kahaluu Watershed, Oahu**	P.L. 83-566 as amended
Honolua Watershed, Maui**	"

*Corps of Engineers

**Soil Conservation Service

B. Construction of Flood Control Projects

The following projects qualified for federal assistance and are presently being constructed:

Project	Authority
Kona Watershed, Hawaii**	P.L. 83-566 as amended
Waianae Watershed, Oahu**	"

C. Flood Plain Information Study and Flood Mapping

1. Under the authority of Section 206 of P.L. 86-645 as amended, the Corps of Engineers has completed flood plain information studies which outline the flood problems, show the extent of flooding and provide guidelines to regulate land use in a flood plain to reduce flood damage. The following area was studied and its report has been published: Waialua, Oahu.

2. Under a cooperative agreement between the State of Hawaii and the U.S. Geological Survey, the Survey is mapping the limits of known floods and is providing hydrologic data. The mapping of the following projects is being prepared: Waiahole-Waikane, Oahu
Waimanalo, Oahu
Punaluu-Haunala, Oahu

3. Under a cooperative agreement between the State of Hawaii and the U.S. Army Corps of Engineers, flood hazard maps showing the limits of 50 and 100-year floods were published for the following areas:

Keaahala Stream, Oahu
Wailua River, Kauai
Kahuku, Oahu

The maps for the following areas are being prepared:

Makaha, Oahu
Kalihi-Moanalua, Oahu
Kalauao, Oahu
Waimea, Oahu

4. Under the authority of the National Flood Insurance Act of 1968, as amended, flood insurance at reasonable premium rates can be purchased through cooperating private insurance firms.

DIVISION OF WATER & LAND DEVELOPMENT PUBLICATIONS

Circular	C30	A Domestic Water Plan for Ninole, North Hilo District, Hawaii, May 1971.
"	C31	Post Flood Report, Storm of January 27-28, 1971, Islands of Oahu, Maui, and Hawaii, May 1971.
"	C58	Preliminary Report on the Water Resources of Southeast Maui, March 1971.
"	C60	Preliminary Report on the Water Resources of Northeast Maui, August 1970.
"	C61	Preliminary Report on the Water Resources of the Wailuku District, December 1970.
Report	R36	Flood Frequencies for Selected Streams in Hawaii, July 1970.
"	R37	Flood Hazard Information, Island of Hawaii, September 1970.
"	R38	Water for Kihei-Makena, Island of Maui, October 1970.

DIVISION OF WATER AND LAND DEVELOPMENT

Construction Projects Awarded, Under Construction or Completed For Fiscal Year 1970-1971

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
LAND PROJECTS					
50-KL-9	Pump & Pipelines, Waimea Water System, Waimea, Kauai, Hawaii (Schedule II)	\$ 51,400.00	4- 1-70	1-15-71	Mark Construction, Inc.
50-KL-9	Pump & Pipelines, Waimea Water System, Waimea, Kauai, Hawaii (Schedule L)	41,817.60	4- 1-70	1- 6-71	E.F. Nilson, Inc.
41-OM-21	Waimanalo Core Development, Sewage Pump Station, Force Main & Interceptor, Waimanalo, Oahu, Hawaii (Schedule I)	381,517.00	4-13-70	12-16-70	Haw'n Dredging & Const. CO
41-OM-21	Waimanalo Core Development, Sewage Pump Station, Force Main & Interceptor, Waimanalo, Oahu, Hawaii (Schedule II)	448,317.06 ²	8-24-70	8- 3-71*	Okada Trucking Co., Ltd.
1-OL-22	Food Distribution Center, 1st Increment Fort Armstrong, Honolulu, Oahu, Hawaii	890,450.85 ²	10-19-70	10-11-71*	Okada Trucking Co., Ltd.
41-OM-23	Waimanalo Core Development, Connecting Effluent Disposal System, Waimanalo, Oahu, Hawaii	57,194.80 ¹	1-25-71	7-23-71*	Pacific Contractors, Inc.
1-M-6AX	Shafter Flats Industrial Development—Unit I, Subdivision Improvements, Honolulu, Hawaii	7,798.85	3-15-71	5-14-71	Tom Construction Co.
31-HL-16	University Heights Residential Subdivision, 3rd Increment, Waiakea, Hilo, Hawaii	\$469,107.25 ¹	5-17-71	11-12-71*	Jas. W. Glover, Ltd.
41-OM-26X	Repairs to Glass Roof for Sludge Bed Waimanalo Sewage Treatment Plant Waimanalo, Oahu, Hawaii	7,020.00	5-15-71		Honiron
19-KL-5**	Extension of a 12-Inch Pipeline Along Moi Road, Hanapepe Water System, Hanapepe, Kauai, Hawaii	11,745.00 ¹			E.F. Nilson, Inc.
34-ML-5**	Wahikuli House Lots Subdivision, 5th Series, Wahikuli, Lahaina, Maui	324,621.80 ¹			Fong Construction Co.
WATER PROJECTS					
48-HW-6	50 M.G. Waikoloa Reservoir, South Kohala Water Project, S. Kohala, Hi.	\$688,528.87 ²	6-17-68	10- 8-70	Yamada & Sons, Inc.
8-HW-29	Pipeline Along Mamalahoa Highway Honaunau to Hookena, Kona Water Project South Kona, Hawaii	238,780.50	6- 9-69	9-30-70	Yamada & Sons, Inc.
8-HW-31	Drilling & Pump, Kahaluu Well "C" Kona Water Project, Kona Hawaii	207,578.00	6-27-69	8-27-70	Singer-Layne Int'l Div.
35-MW-7	Exploratory Drilling-Phase I, West Maui Water Project, West Maui, Hawaii	36,164.90	12- 1-69	10- 8-70	Continental Drilling Co.
48-HW-12	Drilling Well & Installing Pump, Kawaihae Water System, So. Kohala Water Project Kawaihae, Hawaii	156,200.41	12-19-69	4- 2-71	Singer-Layne Int'l Div.
12-KW-9	Drilling Well 9-1(B) and Installing Pump Wailua-Kapaa Water System, Wailua, Kauai	42,075.50	3-23-70	9-25-70	Roscoe Moss Company
3-9W-25	Mokulele Pipeline, Molokai Irrigation Project, Molokai, Hawaii	52,679.24	4- 6-70	10- 9-70	Molokai Rock & Equip Co.
17-MW-21	Drilling Exploratory Well, Kihei, Maui	62,296.40	8-24-70	4-16-71	Roscoe Moss Company
12-KW-10	12-Inch Pipeline Along Kuhio Highway Wailua-Kapaa Water System, Wailua, Kauai, Hawaii	45,712.00	8-31-70	11-25-70	E.F. Nilson, Inc.
8-HW-37	Well, Pump & Controls, Kona Water Project, Kahaluu, N. Kona, Hawaii (Schedules I, II and IV)	\$247,617.80 ²	8-31-70	7-10-71	Water Resources Int'l Inc.
51-KW-6	Drilling 12-Inch Well, Kekaha Water System, Kekaha, Kauai, Hawaii	29,911.41	8-31-70	9-14-70	Roscoe Moss Company

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
22-HW-15	Drilling Exploratory Well, Naalehu, Kau, Hawaii	76,328.50	9-14-70	6-15-71	Roscoe Moss Company
8-HW-37	Well, Pump & Controls, Kona Water Project Kahaluu, N. Kona, Hawaii (Schedule III)	9,393.85	9-21-70	7- 9-71	Corps Construction, Ltd.
48-HW-9	Waikoloa Reservoir Fencing, So. Kohala Water Project, South Kohala, Hawaii	15,272.60	9-28-70	2- 8-71	J. F. Shea, Co., Inc.
3-9W-19	Molokai Water System Office Building Molokai Irrigation Proj., Molokai, Hi.	229,199.50	10- 1-70	7-12-71	Thomas Tanaka, Inc.
48-HW-10	Kohakohau Diversion & Pipeline, Waimea Water System, So. Kohala Water Project, Kohala, Hawaii	179,894.42 ¹	12-21-70	8-17-71*	Yokoyama-Ramos (J.V.)
48-HW-12A	Chlorinators & Appurtenances, Kawaihae Water System, So. Kohala Water Project Kawaihae, Hawaii	28,530.00 ²	2-16-71	7-15-71*	Urban Construction, Inc.
8-HW-38	8-Inch Pipeline Extension, Hookena School to Hookena Beach Road Junction, South Kona Water Project, Kona, Hawaii	34,917.50 ¹	3-15-71	7-12-71*	Yamada & Sons, Inc.
12-KW-11	Drilling and Testing Wailua Well 9-1(c) Wailua-Kapaa Water System, Wailua, Kauai, Hawaii	\$ 27,110.00 ¹	4- 5-71	8- 2-71*	Roscoe Moss Company
17-KW-22	Exploratory Drilling, Wailua Well 0321-01, Wailua, Kauai, Hawaii	37,700.00 ¹	5-26-71	10-22-71*	Water Res. Int'l, Inc.
35-MW-13	Napili Well 5838-01, West Maui Water Project, West Maui, Hawaii	52,450.00 ¹	5-28-71	9-24-71*	Singer-Layne Int'l Div.
51-KW-8	Kilauea Well 1125-01, Kilauea Water System, Kilauea, Kauai, Hawaii	34,158.40 ¹	6-14-71	9-11-71*	Roscoe Moss Company
17-MW-23	Exploratory Drilling, Hana Well 4601-02 Hana, Maui, Hawaii	36,650.00 ¹	6-21-71	11-17-71*	Water Res. Int'l, Inc.
35-MW-12**	Kanaha Well 5339-03, West Maui Water Project, West Maui, Hawaii	58,823.00 ¹			Singer-Layne Int'l Div.
17-HW-24**	Exploratory Drilling Kiholo Well 4953-01 Puuwaawaa, North Kona, Hawaii	93,610.00 ¹			Singer-Layne Intl Div.
3-9W-29X**	Repairs in Waikolu Valley, Molokai Irrigation System, Molokai, Hawaii	7,500.00 ¹			Molokai Rock & Equip. Co.
STATE PARKS PROJECTS					
39-HP-9	Additional Buildings & Tank, Unit III Mauna Kea State Park, Pohakuloa, Hi.	\$383,754.95	3- 3-69	6-15-71	Stewart-Berg (J.V.)
36-MP-6	Additional Buildings—Unit II Waianapanapa State Park, Hana, Maui	122,948.23	11-20-69	8- 7-70	Service Contracting Co.
5-OP-2	Park Development—Unit I, Waahila Ridge State Recreation Area, Hon. Hi. (Schedules I and III)	20,341.32	9-15-69	11-13-70	Ralph S. Inouye Co., Inc.
23-HP-7	Park Development—Unit I, Hapuna Beach State Park, Lalamilo, Hawaii	151,542.33	12-15-69	9- 1-70	Matsuo Yokoyama, Contractor
36-MP-8	Additional Buildings—Unit III Waianapanapa State Park, Hana, Maui	101,609.58	3-30-70	11-20-70	Hicks Const. Co., Inc.
30-KP-25	Sewerage System, Pumping Station & Force Main, Wailua River State Park, Wailua, Kauai, Hawaii	62,899.50	3-30-70	11-13-70	E.F. Nilson, Inc.
23-HP-6	Well, Pump & Controls, Hapuna Beach State Park, Lalamilo, Hawaii	79,085.00 ¹	3-30-70	7-27-70*	Singer-Layne Int'l Div.
36-MP-11	Picnic Shelter & Tables, Wahikuli State Wayside, Lahaina, Maui, Hawaii	22,140.00	6-29-70	8- 6-70	Masao Aotaki, Gen. Cont.
45-OP-9	Landscaping & Park Facilities, Magic Island Park, Honolulu, Hawaii	463,477.32 ²	7-21-70	7-30-71*	Pacific Contractors, Inc.
23-HP-9	Rainbow Falls Improvements, Wailuku River State Rec. Area, Hilo, Hawaii	62,367.50 ²	8-31-70	7-30-71*	Jas W. Glover, Ltd.
36-MP-10	Erosion Revetment, Launiupoko State Wayside, Lahaina, Maui, Hawaii	\$167,265.00	9-28-70	3-26-71	W.T. Chang Contractors, Inc.

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
36-9P-7R	Park Development—Unit I, Palaau State Park, Molokai, Hawaii (Schedule II)	22,143.82	10-26-70	3-24-71	Lewers & Cooke, Inc.
5-OP-2	Park Development—Unit I, Waahila Ridge State Rec. Area, Honolulu (Schedule II)	4,999.31	11- 2-70	3-29-71	Richard K.W. Tom, Inc.
57-HP-11	Park Improvements, Wailoa River State Recreation Area, Hilo, Hawaii	73,129.00	12- 7-70	4-29-71	Glenn Construction Corp.
36-9P-7R	Park Development—Unit I, Palaau State Park, Molokai, Hawaii (Schedule I)	57,266.00 ¹	12- 8-70	8-30-71*	Molokai Rock & Equip. Co.
23-HP-8	Irrigation Pipeline & Tank, Hapuna Beach State Park, Lalamilo, Hawaii	92,958.80 ¹	5-12-71	11- 7-71*	Corps Construction, Ltd.
30-KP-26	Restaurant Roof Extension, Wailua River State Park, Wailua, Kauai, Hawaii	8,869.00	5-28-71	6-25-71	Rodman Muller Construction

FISH AND GAME PROJECTS

25-HM-4R**	Leasing Crawler Tractor for Puuanahulu Access Road, Kona, Hawaii	\$ 22,000.00 ¹			J.M. Tanaka Const. Inc.
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FLOOD CONTROL PROJECTS

9-OF-5	Drainage Improvements at Prospect and Pensacola Sts., Honolulu	53,027.50	3-31-70	8-12-70	W.T. Chang Cont., Inc.
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* Estimated Completion Date

**Contract Awarded Only

¹ Contract Bid Amount

² Adjusted Contract Amount

Photographs by Department Staff unless otherwise credited.

Cover Photo—Nuuanu Reservoir, Island of Oahu, Showing multiple use—Recreation, Water Supply and Conservation—of our natural resources.