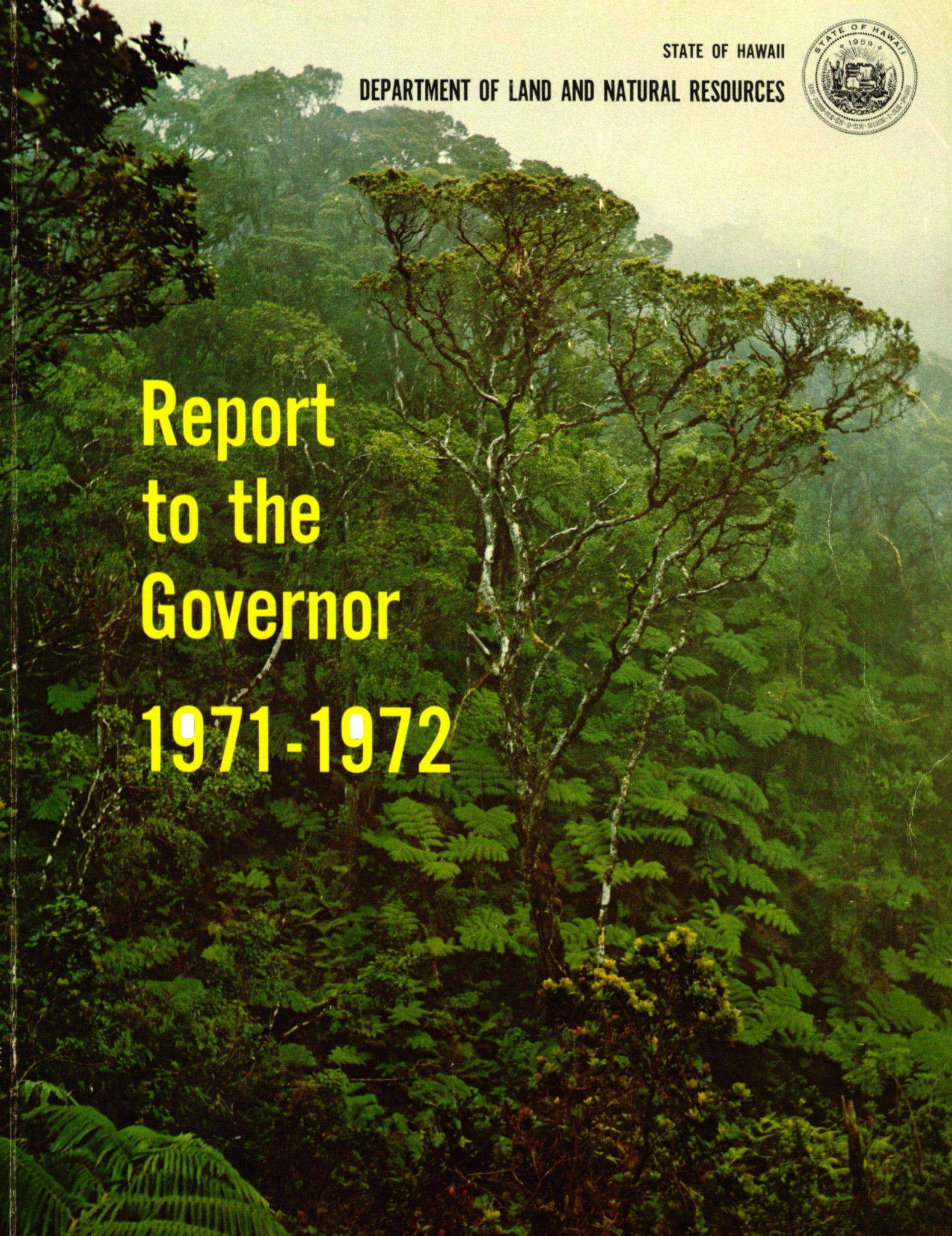
STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES



Report to the Governor 1971-1972

REPORT TO THE GOVERNOR

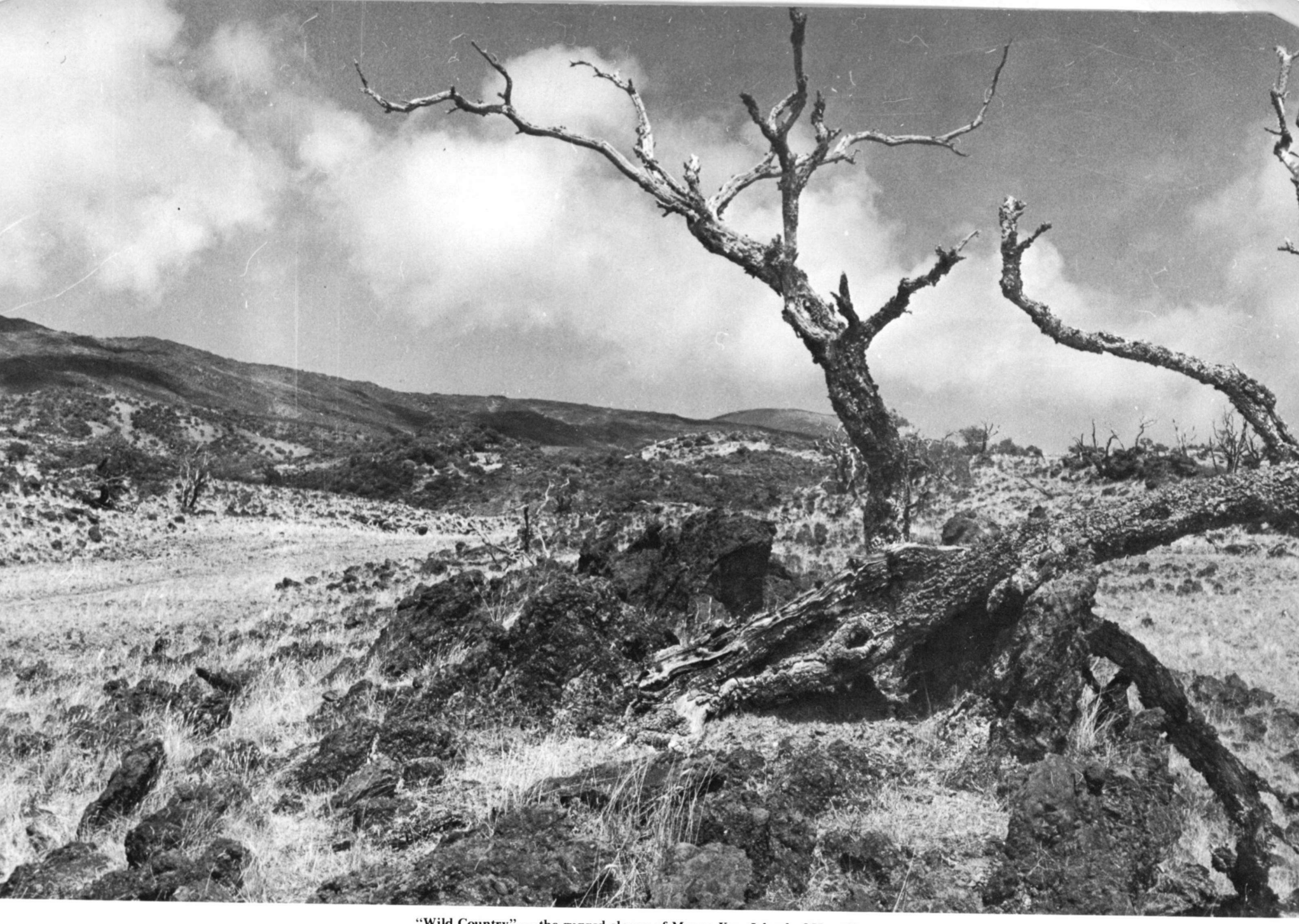
for the fiscal year 1971-1972

DEPARTMENT OF LAND

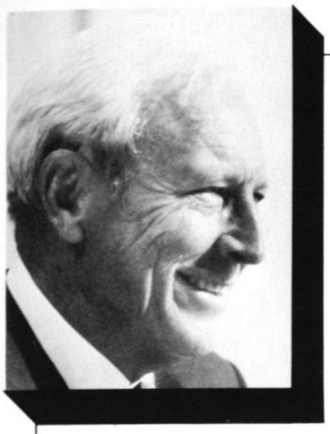
AND NATURAL RESOURCES

STATE OF HAWAII

Honolulu, Hawaii
January 1973



"Wild Country" — the rugged slopes of Mauna Kea, Island of Hawaii.



STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621

HONOLULU, HAWAII 96809

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

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

Dear Governor Burns:

I again take great pleasure in presenting, on behalf of the members of the Board and the staff of the Department, the Annual Report of the Department for FY 1971-1972. The significant social and economic changes initiated during earlier years of your administration continue to guide our efforts, and we continue to improve and expand our ongoing programs to contribute to the forward thrust of the State Government.

Deep public interest and involvement in the direction and activities of the Department has continued and intensified. Aided and in part guided by specialized groups of interested citizens, we have emphasized particularly the conservation and preservation of the lands and natural resources placed within control of the Board. Special efforts have been directed towards establishing Natural Area Reserves, and in acquiring and setting aside lands and other resources to satisfy the expressed needs for cultural and recreational opportunities.

We have continued our efforts to plan and organize our efforts in program areas related to the major program interests of the State. Programs are thus more clearly reported in relation to similar or complementary activities of other State and County Agencies.

Respectfully,

Sunao Kido

SUNAO KIDO
Chairman and Member

Organization

DEPARTMENT OF LAND AND NATURAL RESOURCES

SUNAO KIDO
Chairman
Oahu

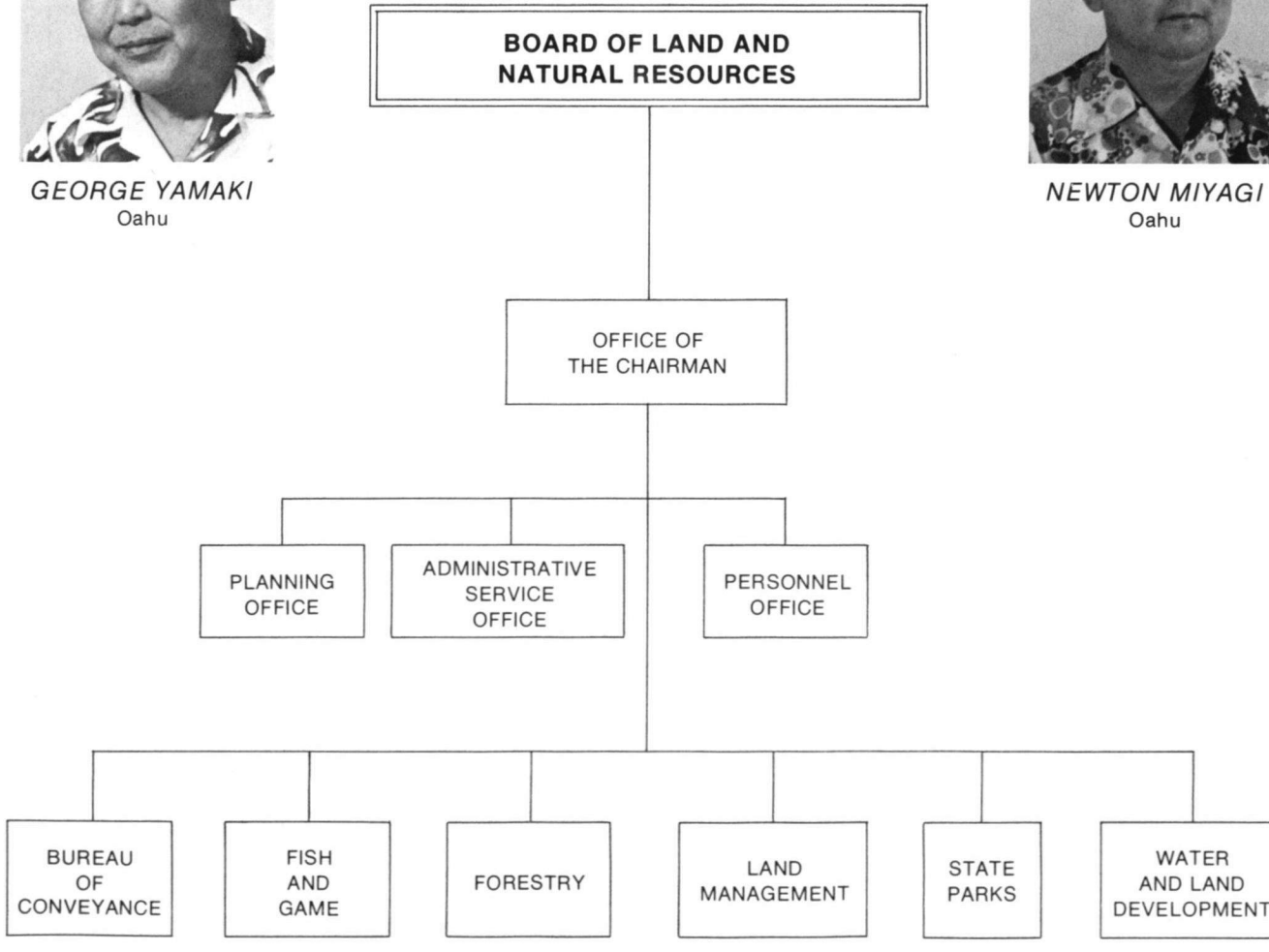
H. MUNECHIKA
Kauai

LARRY MEHAU
Hawaii

MANUEL MONIZ, JR.
Maui

GEORGE YAMAKI
Oahu

NEWTON MIYAGI
Oahu



Nawiliwili Harbor, Kauai. USCE Photo

FOREWORD

Article 10 of the State Constitution is the principle guideline for the activities and functions of the Board of Land and Natural Resources and for all subordinate units, and states in part:

> Section 1. The legislature shall promote the conservation, development and utilization of agricultural resources, and fish, mineral, forest, water, land, game and other natural resources.
> Section 2. The legislature shall vest in one or more executive boards or commissions powers for the management of natural resources owned or controlled by the State . . .

The Board of Land and Natural Resources is established under the provisions of this Article, and the ultimate goals of the Board and of the Department are thus established from the above statements of intent of the founders of the State of Hawaii — the people. These goals encompass the rational, controlled development and utilization of the natural resources of the State — the land, water, forests and open spaces — to meet the present needs of the populations, while at the same time giving due consideration to the necessity for conservation and preservation of limited or unique elements within these natural resources for the future.

Specific objectives of the Board and the Department change from time to time in accord with the changing needs and desires of the State and its people. This particularly relates to the programs for development and utilization of the limited land and water resources under the control of the Board, for low cost housing, industrial sites, agricultural production, and resort growth. Of equal importance are programs to meet the rapidly growing demands for outdoor recreation, wilderness and open space opportunities within the State.

Conflicting economic and social forces are frequently expressed to and through the Board and the Department in the process of determination of the use of specific natural resources, and these private and public expressions of interest are given full consideration in the final analysis and decision for the optimum utilization and disposition of such resources.

BOARD OF LAND AND NATURAL RESOURCES

The Board is an executive Board, as is required by Article 10 of the State Constitution; with its broad authority and powers more specifically defined within Chapters 171 to 198, and Chapters 501 and 502 of Hawaii Revised Statutes as amended. All members of the Board are appointed by the Governor, one from each of the four Land Districts of the State, and two others At Large from within the State. The appointments are subject to confirmation by the State Senate.

The Board is responsible for establishing broad policies for the control and management of the natural resources within their control, and for the specific acquisition of non-state land, and disposition of State-owned lands and other natural resources. The Board also provides for programs of conservation and preservation of certain limited or unique elements of the natural environment and other resources areas; including endangered plant and animal species, cultural and historic sites and places, and natural areas.

The Board holds regular scheduled meetings at the Department offices in Honolulu, on Oahu, and also at regular intervals on each of the other major islands in the State. The Board also conducts public hearings on all of the islands for consideration of applications for commercial development or use of lands within the Conservation Districts of the State.

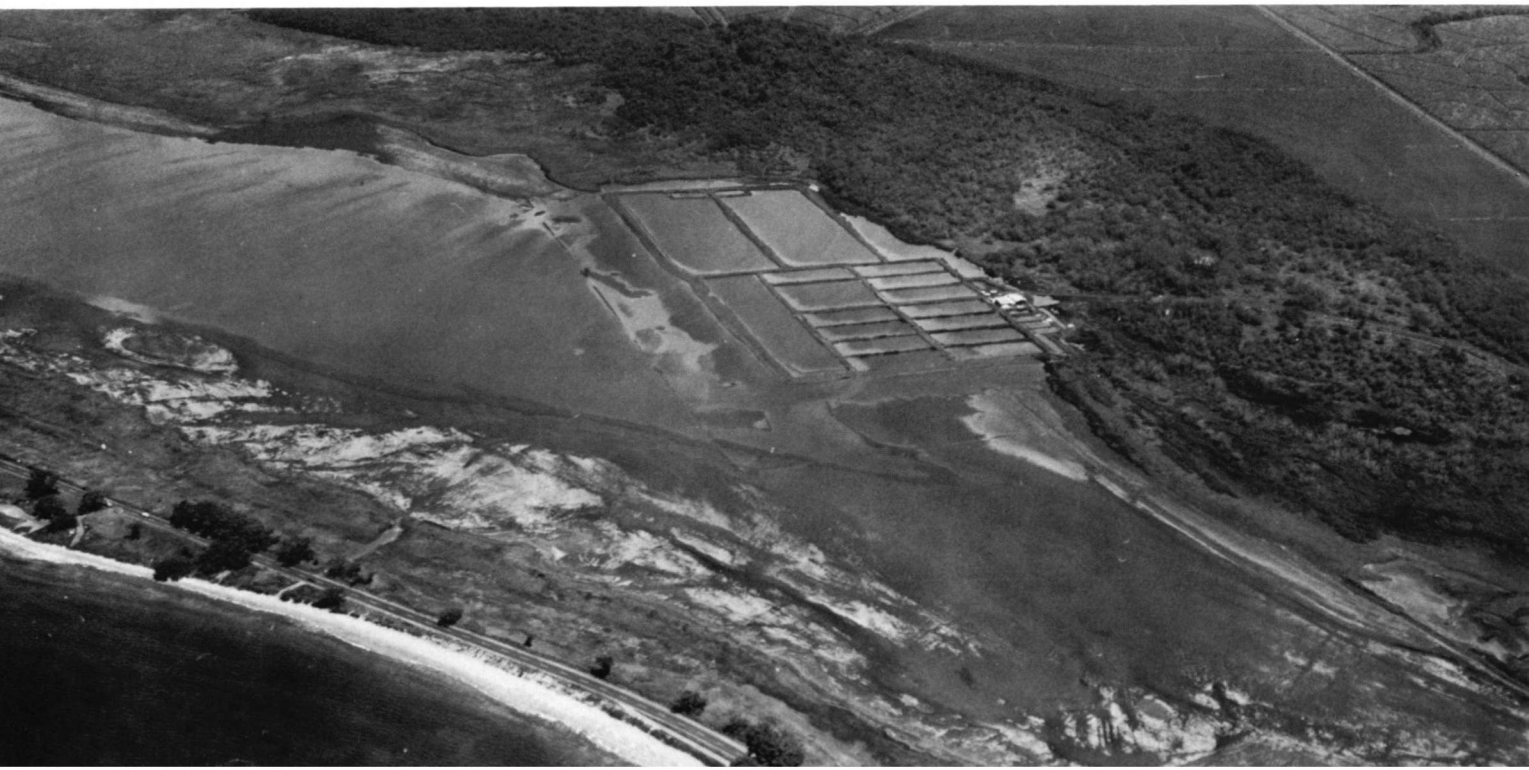
The actions and determinations of the Board are supported and effectuated principally through the functions and activities of the several staff offices and operating divisions of the Department of Land and Natural Resources.

OFFICE OF 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 responsibilities include directing and coordinating the major program activities and functions of the staff and operating units of the Department. The Chairman, of recognized Cabinet Rank in the government, provides essential liaison from the Board and the Department to the Office of the Governor; to the State Legislature; to other government agencies and jurisdictions; and to private organizations and individuals. The Chairman is, Ex-officio, a member of the State Board of Agriculture and of the State Land Use Commission; and serves also as a member of the Natural Areas Reserve Commission, the Historic Sites Reserve Commission, and the State Agricultural Coordinating Committee. He is also the State Liaison Officer on Historic Preservation, under Public Law 89-665.

The Chairman is directly supported in the day to day administration of the Department by the Deputy Director and the small staff of the Office of the Chairman. Additionally, three staff offices provide support and service to the Chairman and Members of the Board, and service the requirements of the operating Divisions and other units of the Department.

Aquaculture, Kealia Pond, Maui. **USCE Photo**



Residential Subdivision, Kekaha, Kauai.

USCE Photo

STAFF OFFICES

Three staff offices support the Chairman, and provide specialized services for the operational units of the Department.

Administrative Services Office

This office, under the overall supervision of the Departmental Fiscal Officer, assists the Chairman and the Heads of Divisions in long-range financial planning and in the preparation and management of annual and biennial budgets. Other major fiscal activities include accounting for all funds, maintaining expenditure control, providing centralized purchasing, receiving and handling receipts of all kinds, and in handling and controlling petty cash funds within the Department. Financial evaluations and reports are prepared for distribution to program managers in the Department, and to other interested State agencies.

Administrative functions performed for the Department include office space allocations, maintaining automotive and equipment inventories, and providing for maintenance of offices and equipment. The Fiscal Officer and his staff also provide specialized liaison with the Department of Accounting and General Services, and the Department of Budget and Finance.

Planning Office

The staff of this office, under the general supervision of the Program Planning Coordinator, with the aid of the operating Divisions, especially the Division of Forestry, assist the Chairman and the Board in the administration of the Conservation Districts, and coordinate processing of Conservation District Use applications. The staff assists in the development of conceptual plans for utilization of State Lands. Other activities include review of project plans from other State and County agencies, and coordination of other environmental controls. The Program Planning Coordinator is responsible for development and coordination of a Planning, Programming, Budgeting System within the Department, and also for development of an inventory of State lands.

Personnel Office

The Personnel Officer and his small staff maintain a comprehensive Personnel Program within the Department, including support of the Chairman and Division Heads in recruitment and selection of personnel, training and development of staff and employees, appraisal and counselling of personnel, and in improvement of safety and working conditions. A major new element in this overall program is the rapid increase in problems related to the collective bargaining process recently established for the State government. The workload generated by this latest activity is expected to increase greatly within the near future as additional bargaining contracts are established.

The personnel staff maintain a complete personnel file for each employee of the Department.

Launiapoko State Park, Maui.

USCE Photo

DIVISIONS

The operating units of the Department were initially established, and have for years functioned generally within certain specific resources areas of the State. These areas of responsibility include the public lands, water resources, the forested lands and reserves, fish and wildlife, and the park lands and historic sites. The functions of conveyance and recordation, although not directly related to a resource area, are included within the functions of the Department, since they do bear relationship to land transactions.

Expanded public awareness of environmental problems, and an increased demand on the part of the public for access to and enjoyment of open spaces and wilderness areas have in turn required greater program flexibility on the part of the Department, and increased concern with the satisfaction of these demands. Thus, activities once clearly identified with the programs of a single Division, may now have effect and directly involve the programs of several divisions. For example, forest trails and roads developed principally for forest and fire protection, now also provide significant recreational opportunity for hikers, and may also provide access for hunters to game management areas. The once clear areas of divisional responsibility have become blurred with time, which is a logical outcome of the Board's multiple use concept for State lands.

Conveyances

The Division of Conveyances is the sole agency within the State of Hawaii authorized to receive and register all land title documents, maps and other legal documents. Official records of all real estate transactions since the Great Mahele of 1848 are preserved in the Division.

The Registrar of Conveyances, as Head of the Division, is responsible to the Chairman for the operation of the division and administering the recording and land registration laws. Due to different statutory requirements, the division is organized and operates as two parallel units to accommodate and comply with the dual system of land registration.

1. The Land Court Registration Branch is concerned primarily with the filing, processing and the registering of Land Court title documents and maps affecting registered land; and
2. The Regular Registration Branch is concerned with the recording, processing and maintaining of all legal and land title documents and maps affecting non-registered lands entitled to recordation.

Fish and Game

The Division of Fish and Game is concerned with the preservation and management of the fish and wildlife resources of the State: as a source of human food and for the outdoor recreational opportunities that can be made available to the public. Also, special efforts are made for protection and re-establishment of rare and endangered species of birds, mammals and fish.

The basic activities of the Division include conduct of biological research; protection and improvement of the physical and biological aspects of aquatic and dry-land environments; establishment and management of public hunting and fishing areas; and, development and testing of commercial processes for aquaculture.

The Division is organized into three main operating branches, Fisheries, Wildlife, and Enforcement. The Fisheries Branch is further subdivided into three specialized units for Marine Fisheries, Freshwater Fisheries, and a Fisheries Research Station. The Wildlife and Enforcement Branches are each organized into four geographical sections, one for each of the Land Districts of the State.

Forestry

The Division of Forestry, is concerned principally with the control and management of the State-owned forest resources; with protection and improvement of the vital water reserves; and with forested and other lands, including privately owned lands, within the Conservation Districts. Important program activities include the development and maintenance of forest roads and trails; prevention and suppression of fires; detection and control of pests and diseases; development and maintenance of timber plantings; enforcement of forest and conservation regulations and statutes; and outdoor recreation.

The Division is organized into an Administrative Section, and in four branches or districts, corresponding to the four Land Districts of the State. Each District Forester, within broad parameters established by the State Forester and his staff, plans and manages programs for development, protection, and utilization of the forest lands and resources within his district.

The State Division of Forestry works closely with staff of the U. S. Forest Service Institute of Pacific Islands Forestry in conduct of research projects related to forest development and protection. The Division assists the Natural Areas Reserve Commission with selection and definition of areas worthy of inclusion within the Reserve.

Land Management

The Division of Land Management, supports the Chairman in the development, utilization, and management of the Public Lands of the State; and with the disposition of State lands to meet approved public and private needs, and in the orderly acquisition of lands to meet the needs of public agencies.

Principal activities of the staff of the Division include review and analysis of land use requests, and

Residential Houselot Subdivision, Hanapepe, Kauai. **USCE Photo**

Wailua Resort, Kauai.

USCE Photo

recommendations for specific land uses; documenting land use proposals; inventory and appraisal of State lands; negotiations for land disposition and acquisition transactions; and inspection of public lands and enforcement of conditions of land dispositions. Division staff refer to and work closely with the Departmental Planning Office in land use planning and in land project planning. The Division staff also utilize the services of the Division of Water and Land Development engineering staff in carrying out land development projects.

State Parks, Outdoor Recreation and Historic Sites.

This Division, is concerned principally with the development and operation of a system of State Parks throughout the islands, and with establishment and coordination of programs of outdoor recreation and cultural enrichment for the public. The Division is also responsible for conduct of archeological and historic site surveys on all State lands, and for programs and projects relating to such sites and places. Division staff coordinate archeological investigations of other State and private organizations on State lands.

Activities and functions relating to divisional administration, planning and development, and supportive services; as well as the archeologic and historic surveys; are centralized in the Honolulu office. Operation and maintenance of the parks system is organized into four district units, corresponding to the four Land Districts of the State.

Water and Land Development

The Division of Water and Land Development, is involved in the planning, development, utilization, and protection of water resources of the State. The Division coordinates Federal, State, and County water programs; participates in joint programs with the U.S. Geological Survey, National Weather Service, Soil Conservation Service, Corps of Engineers, Water Resources Research Center and the County Boards of Water Supply; conducts long-range comprehensive water planning; enforces ground water statutes; conducts project feasibility studies; and develops State-sponsored water projects. Flood control programs in the State are also coordinated by the Division and administrative support is provided the Soil and Water Conservation Districts of the State. In addition, the Division operates and maintains irrigation systems at Waimanalo, Oahu; Lalamilo, Hawaii; and at Molokai.

The Division is organized into four operating branches: Water Resources and Flood Control; Project Development; Design and Construction; and Water Distribution and Maintenance. Professional engineering staff from within these units provide engineering support to other operating divisions of the Department.

SECTION II

PROGRAMS FOR ECONOMIC DEVELOPMENT

The primary goal or thrust of a number of programs conducted by the Department is the improvement or expansion of certain sectors of the State's economic base to attain Statewide objectives.

Kohala Task Force

Department staff have been actively working with the Kohala Task Force, headed by the Lieutenant Governor, the Honorable George Ariyoshi, which is reviewing actions which can be taken by the State and County governments to alleviate problems being created by the closing of the existing sugar cane operations in that section of the Island of Hawaii. The Department is prepared to provide Public Lands under lease for new agricultural developments sponsored by the Kohala Task Force; and in addition, has already submitted requests for federal aid under the Economic Development Administration programs, for development of a series of historical parks in the Kohala area, which is the original home of the great Kamehameha I, who initially unified the Hawaiian Islands.

Land Development

During the past fiscal year, a total of six major contracts were let, principally for development of residential houselot subdivisions on parcels of State lands, at an estimated cost of $886,000.

Major site improvements, including roads, water, and electric power, have been completed for the Wahikuli Houselots Subdivision, developed on State lands on the Island of Maui.

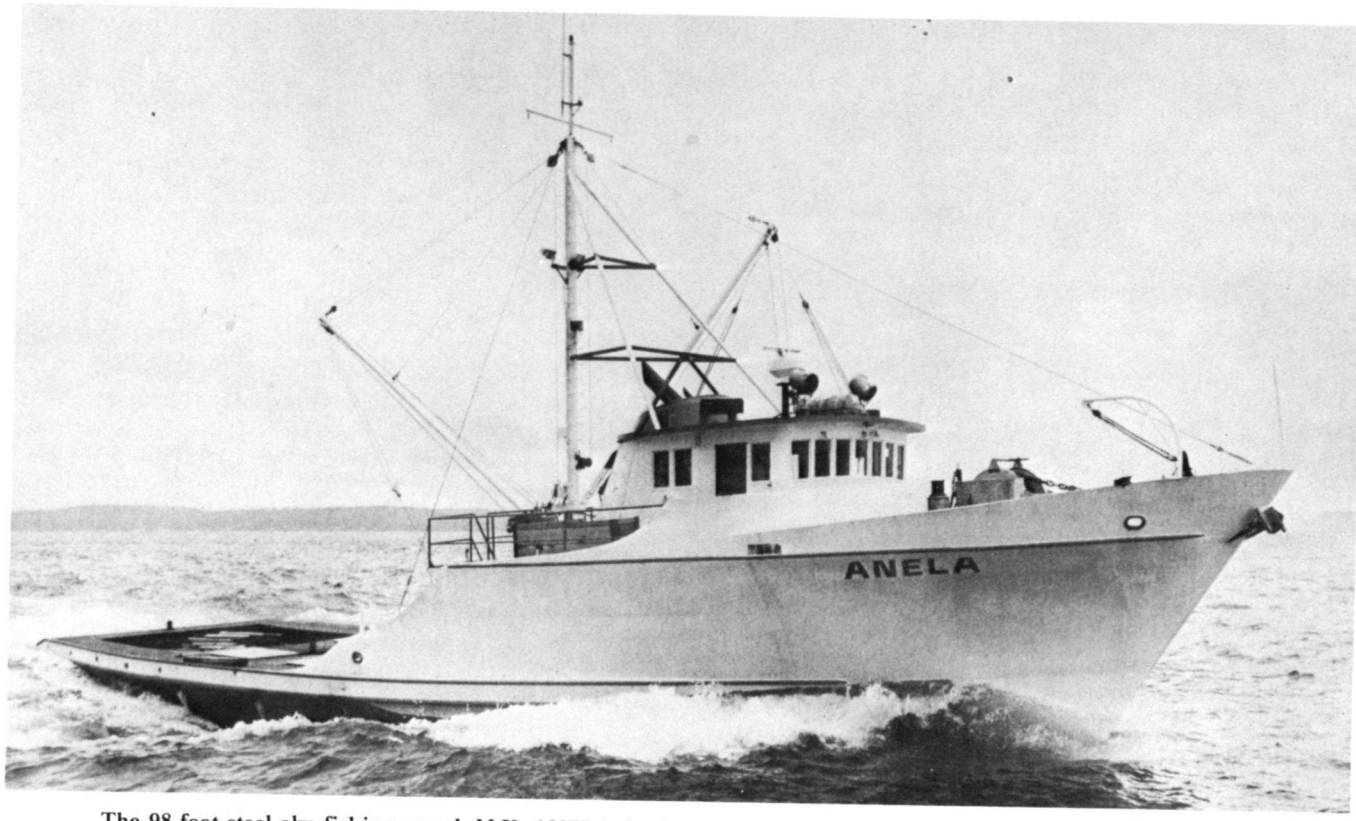
Site development of the 72-unit Wahikuli Houselot Subdivision on the Island of Maui is expected to be completed in August, and it is anticipated that houselots, ready for construction, will be offered for public sale thereafter. Also on the Island of Hawaii, the Department has planned the construction of roads and water lines to serve the 40-unit Waiakea Houselots Subdivision. Detail plans have been completed, and this project is scheduled for bid in late 1972; for planned completion of the project in FY 1973-74. Active planning is being conducted for additional increments for both the University Heights Subdivision and for the Waiakea Subdivision, and depending on demonstrated needs of the public, up to 300 houselots may be developed in thest two projects.

A major planning contract was let for the proposed Kealakehe Houselots project, and preliminary planning is being carried out for a combined farm/houselot subdivision at Keonepoko, Puna, and for a 40-unit houselot subdivision at Kahei, North Kohala, all on the Island of Hawaii.

The Island of Kauai will benefit from two housing projects now under construction: one for 14 houselots at Waimea Heights and a second for a total of 30 houselots at Hanapepe Heights. In addition, two industrial subdivisions are being actively planned at Nawiliwili and at Kapaa. A construction contract is being drafted for the Kapaa Industrial Subdivision, and it is expected that this construction project will be put out for bid in late 1972. The first increment of the Mid-Pac Construction Company residential subdivision at Kekaha [being developed under the provisions of Act 68/68] is nearing completion. This project will provide a total of 150 houselots.

On the Island of Oahu, the First Increment of the Honolulu Food Distribution Center is nearing completion, and steps are being taken for sale at public auction of a long-term lease on the site for a Fresh Fruit and Produce Facility. The successful lessees will be required to construct a multi-use facility on the site to accommodate the current needs of the wholesale fresh fruit and produce industry for modern operating and warehousing space. At present, a combined facility of not less than 100,000 square feet is planned for this area. Serious consideration is being given for development of future increments of the Food Center complex by private developers.

A measure of the total impact of the availability of public lands for development and utilization is the approximately $4.5 million received annually by the Departmant as rental for lands. On the basis of current estimates of rentals to gross income, it is believed that this annual rental represents a Gross State Product of not less than $75 million per year generated from the use of Public lands.



The 98-foot steel aku fishing vessel, M.V. ANELA, is the second vessel constructed through the Hawaii Fisheries New Vessel Construction Loan Program.

Commercial Fisheries

The M.V. *Anela,* a 98-foot, steel-hulled fishing boat which arrived at Kewalo Basin in Honolulu during December 1971, is the second such vessel to be constructed with funds provided from the Hawaii Fisheries New Vessel Construction Loan Program, which is administered by the Department. With a long-range crusing radius of 1,500 miles, a refrigerated fish-holding system, and many other modern features not found on the older vessels of the local *aku* fleet, the *Anela* is a welcome addition to the Hawaiian tuna fishing industry. The vessel owned by the Angel Fishing Company of Honolulu, was constructed at Tacoma, Washington, at a cost of $312,000 of which $250,000 was provided as a loan from the fund.

No fishing data is available to date on the *Anela,* since she was under charter to the Federal government for several months after her arrival in local waters. However, the M. V. *Kilauea,* the first vessel constructed under this program, during her first six months full-time activity, was reported to be landing approximately 20% of the total fish landings in the State. This rate of catch has since fallen, but reports indicate that the *Kilauea* consistantly lands higher catches than any other vessel in the fleet.

Two additional fishery vessel construction loans were authorized during the year, one to an individual fisherman, and the other to a fishery corporation. These loans will be utilized to construct two identical 90-foot steel-hulled longline boats.

Aquaculture

Oyster beds in West Loch of Pearl Harbor were examined during August 1971, to determine any changes in size of beds or quantity of oysters since the last survey in 1962, and to measure hydrographic and sanitary qualities of the surrounding waters. Information gained during the survey indicates that the oyster beds increased in aggregate size by approximately 40% to a total of 210,000 square yards in 1971, and that the total number of oysters increased from approximately 56,000 to 126,000 bushels during the nine-year period. Water analysis shows consistantly higher levels of contamination than is acceptable for human consumption of the oysters. Cleanup of Pearl Harbor, now in progress, and planned control of sources of pollution, should ultimately improve sanitary conditions to allow use of this food resource. Near the end of the fiscal year, a massive oyster kill was experienced within these beds, apparently caused by an as yet unidentified fungal infection. The cause and consequences of this disastrous epidemic are under study by Department Staff, with the assistance of several State and Federal agencies.

A study was initiated during the year to determine the overall effects of the warm water discharge from an electric power plant on oyster growth, condition, and mortality in Pearl Harbor's East Loch. The study now in progress, involves growing and measuring growth and condition of young oysters in trays placed

in the intake and discharge waters of the power plant sited on the shore of East Loch.

Demonstration trials of commercial cultivation of the American oyster, *(Crassostrea virginica)* in the Molii Fish Pond in Kaneohe Bay were continued during the past year. Water samples are taken periodically for determination of sanitary quality, and measurements of oyster growth and condition indexes are made monthly. Water analysis data indicates that the environment and the oysters may from time to time reach a level of contamination which is higher than acceptable for human consumption of the oysters.

The continuous cycling method for culture of giant freshwater prawns, which was initiated by Department fisheries biologists in 1968, has progressed to the development of basic commercial techniques and has achieved consistant average production from pilot ponds of 300 pounds of marketable prawns per acre per month. This rate of yield has been sustained from one pond for the past 18 months.

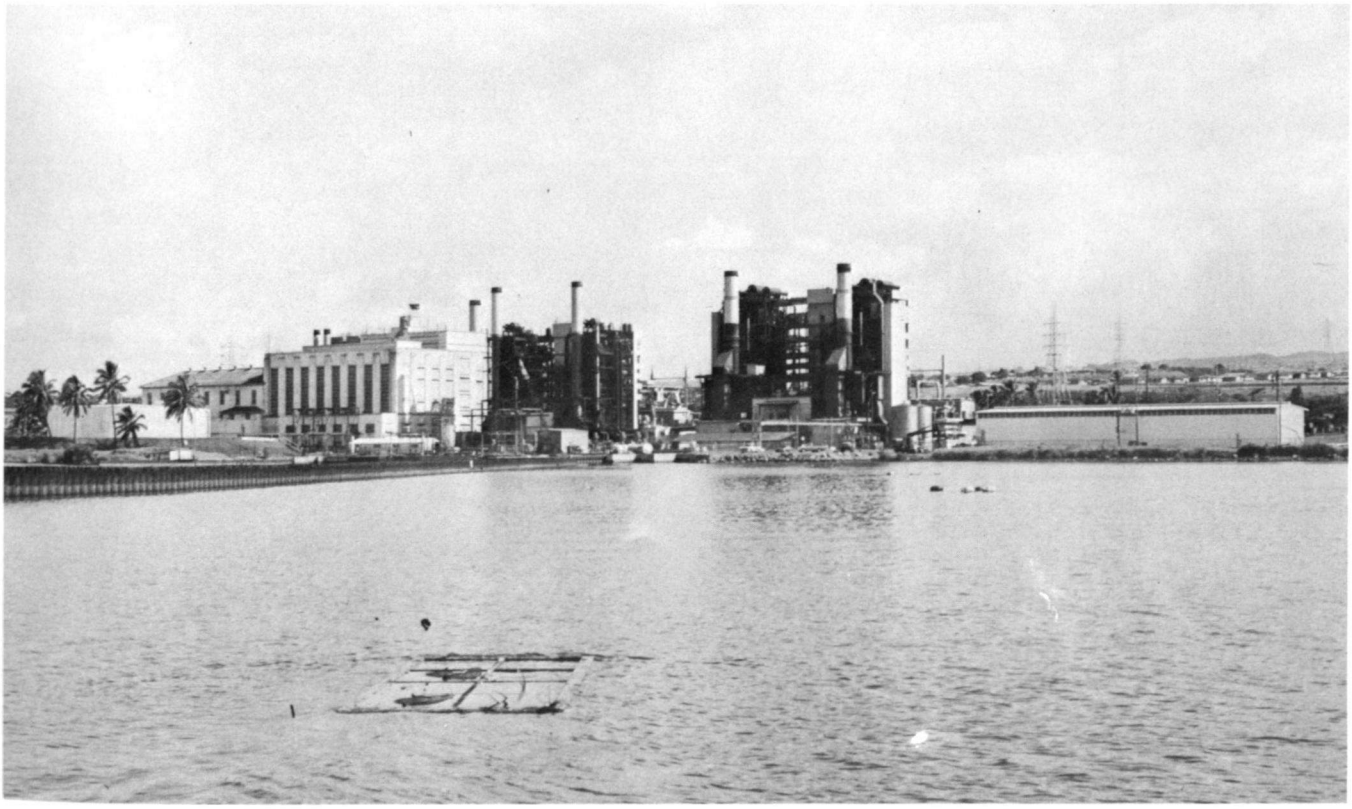
In an effort to increase production, and to reduce operating costs, research interest has turned to the formulation and testing of an inexpensive prawn feed which offers conversion ratios acceptable for full-scale commercial prawn production; and which can be readily produced with present processing methods. This project is being conducted jointly with the University of Hawaii Institute of Marine Biology and the Animal Science Division, and with Fish Farms Hawaii, a local subsidiary of Global Marine Inc.

Staff of the Department cooperated with the East-West Center at the University of Hawaii, in providing intensive training in all aspects of prawn culture for a number of United States and foreign fishery officers and technicians. If the general results of this first training effort justify, it is anticipated that such training in prawn culture may be offered to both US and foreign trainees on a regular basis in the future.

Cooperative Forest Management

Forest management assistance is provided to private landowners by Department forestry staff for two general areas of concern: assistance in marketing forest products of all types; and assistance in growing forest plants for erosion control, windbreaks, for forest production, or for other purposes.

The most active assistance for marketing problems related to Norfolk-Island-Pine christmas trees grown in the State. During the past Christmas season about 21,000 of these beautiful, locally produced trees were sold in Honolulu and 10,500 on the Island of Hawaii. Out-of-State sales to the U. S. Mainland were negligible, although modest efforts were attempted to generate interest in that market area. Department staff are attempting to work closely with growers to establish better marketing practices and standards, since trees of inferior density and form are not acceptable on the market, and a significant number of low quality trees failed to sell on the Honolulu market. Efforts



Oysters are being grown in floating rearing trays placed in intake and discharge waters of the Hawaiian Electric Company's Waiau power plant to determine the effects of heated water on growth, mortality and condition.

A better idea of treefern forest composition is one of the goals of the hapuu monitoring project. Here, a canopy height is about to be measured.

are also being made to establish firm business contracts for marketing trials in selected West Coast cities.

Inquiries are frequently received at the Department for sources in Hawaii of wood products; including lumber, finished veneer, and wood chips. The *koa* market is excellent, but available private sources of this timber are being rapidly depleted and the *koa* harvest cannot be sustained for long at current levels. Exotic planted species presently available in quantity are difficult to manufacture, and only limited markets have been developed. However, a conservative, well managed mill designed for relatively small annual volume has been established and is prospering on the Island of Maui. The Department, with the active cooperation of the U.S. Forest Service, continues however to conduct research on the qualities and utilization of locally produced wood species in an effort aimed at helping the local industry learn how to process such timber into useful products profitably. Intensive work is currently being carried out on the characteristics of *Euclyptus robusta* wood and in helping the industry learn how to process this timber into useful products profitably.

The Department initiated a *maile* culture project in the forests in Panaewa, Hawaii. The purpose of this study is to learn how to grow this plant under cultivation, which is normally only harvested from the forests. This project, if successful, will increase the supply of this popular scented native foliage material, and will take intense harvesting pressures off the native forests. *Maile* is in great demand for leis for all occasions. Initial results in the test plantings have been most encouraging.

During the year, a total of 446 requests for assistance in planting, inventory, or management of forest resources were received by the Department; of which 273 were new requests, and 143 were requests for continuation of ongoing services.

Maile, a native vine with scented foliage which is in great demand for leis for ceremonial occasions. Attempts are being made to grow it under cultivation to increase the supply and take the pressure off of wild plants.

A 1.4 Billion-Gallon Reservoir at Kualapua, Molokai serving the Molokai Irrigation System. USCE Photo

Water Development

During the year, the Department participated in the construction of a number of water facilities, including exploratory wells, pipelines, pumps, control systems, diversion structures, and storage reservoirs. A total of nineteen water projects contracts were either awarded or completed during the period, at a cost of approximately $2.5 million.

On the Island of Hawaii, the Lalamilo Irrigation System at Waimea will soon have its inadequate piping system replaced with a pressurized system. Plans and funding have been completed, and construction is imminent for the second 50-million gallon reservoir for the South Kohala water system. This added storage capacity will greatly improve both the service and reliability of this domestic water system.

On the Island of Maui, a million gallon water storage tank is being constructed at Alaeloa to complement the successfully completed Napili well. Plans are in preparation to provide the well with pumps, controls, and a connecting pipeline, leading from the well to the new tank. Additionally, a second well will be drilled at Napili to increase water production, and to serve as a standby. In the Lahaina area, a 1.5 million gallon concrete water storage tank is nearly completed, and a second half-million-gallon tank is presently being designed by the County of Maui with funds transferred to them by the State.

Plans are being made to incorporate the recently completed and tested Kanaha well into the Lahaina water system by providing the well with pumps and controls, and by constructing a connecting pipeline and storage tank. Additionally, plans are ready for drilling a second Kanaha well to augment this source. A successful exploratory well was completed in the Hana District of Maui, and this new source will supplement existing water sources.

Plans have been completed, and work is expected to commence shortly on a diversion structure, pumps, and pipeline in the Waikolu Valley area of the Island of Molokai. Construction of these facilities will improve the source for the Molokai Water System, and should provide irrigation water for additional acreage of agricultural lands over and above the areas originally planned for this project. Expansion in diversified agriculture output should result from this improvement.

Development of water facilities on the Island of Kauai include drilling of an exploratory well in the Wailua Homestead area and another in the town of Kilauea. In addition pumps, controls and a pipeline were installed for the Nonu well in Wailua, and the water distribution system was improved generally with construction of pipelines in Lihue and in Kukuiula in the Koloa-Poipu area.

Irrigation Systems

The Department operates three irrigation systems which support farming operations at Waimanalo on Oahu, Lalamilo on Hawaii, and in West Molokai. Rainfall throughout the islands was generally low for the year, which resulted in an increase in total water consumption in all three systems.

Tests are run at the Kiholo Experimental Well to determine water flow, as well as the potability of the water.

The Waimanalo system serves the needs of 95 small farmers producing vegetable, flower and orchard crops on 921 acres of State and private lands. Rainfall in the area measured 36 inches for the year, compared to 57 inches in the previous year; while the irrigation system sold 160 million gallons of water, which was an increase of 15 million over the previous period. Crop production was generally good, reflecting excellent growing conditions as well as improved conservation and irrigation practices adopted by the farmers.

The Lalamilo System serves 26 small farmers operating a total of 205 acres of truck crops, principally carrots, celery and lettuce. Water consumption increased to 127 million gallons compared to 102 million for the preceding period.

The Molokai System presently serves 7779 acres of pineapple cropland, and approximately 200 acres of diversified crops, including sweet potato, onion, chinese pea, and sweet corn. Hybrid seed corn is no longer produced within the service area. The system now serves 60 Hawaiian Homesteaders in the Hoolehua area. A total of 612 million gallons was served through the system during the year, comparing with 538 million for the previous period.

A new lessee has taken over 205 acres of State land in Hoolehua for a macadamia orchard. During the interim period for development and early establishment of the orchard, the famous Maui onions are being produced.

SECTION III

PROGRAMS FOR PROTECTION OF ENVIRONMENT

A major responsibility of the Department is the protection and improvement of the natural or physical environment, not only those placed within the direct control of the Department; but in many instances, resources throughout the State. Most of the programs of the Department are planned and carried out with a broad awareness of these needs. Some specific programs, including those listed below, are directed principally to protection of the environment.

Conservation District

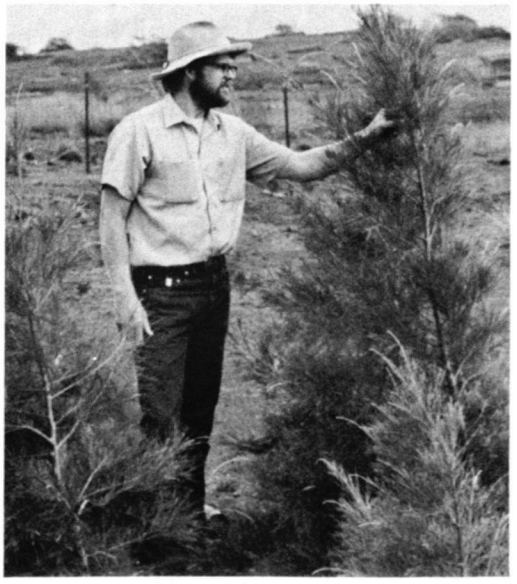
The Department has responsibility for regulating and controlling the ever-growing number of requests for use of land or other resources within the Conservation Districts of the State. A major activity in the Department is the review and processing of Conservation District Use Applications [CDUA] under the provisions of Department Regulation No. 4, which requires coordination of reviews from within the Department, as well as from other agencies and jurisdictions within the State. A total of 135 use applications were received for processing during the year, which by statute, require processing within a period of 180 days. Activities proposed within CDUA's ranged from producing sugar cane, harvesting *hapu'u,* construction of dwellings and seawalls, and installation of electric power lines; to such exotic activities as micro-wave and radio relay stations, a water transmission tunnel, tennis court, commercial hunting, and a target for laser-beam experiments.

The Board of Land and Natural Resources, as required by statute, held a series of fourteen formal public hearings on various islands to hear testimony on 25 CDUA's which had commercial purpose. In an effort to clarify and improve Departmental policies and procedures relating to processing of CDUA's, the Overview Corporation of Washington, D. C. was retained on contract to review and assist in revision the present regulation governing Conservation Districts.

Coordinated efforts are also carried out within the Department staff and line units for review of environmental impact statements, U. S. Corps of Engineer permit applications, federal aid clearinghouse notices; as well as of numerous zoning, subdivision, varience, shoreline setback and planned development applications submitted by county planning departments. Staff and line units also conduct an internal review of all proposals for disposition of Public Lands, and of Departmental capital improvement proposals.

During January 1970, several kinds of trees, shrubs, and grasses, chiefly selected for their ability to withstand severe draught conditions, were planted on the Island of Kahoolawe in small fenced plots to exclude feral goats. The tests samples a wide range of habitats including sandy beaches at sealevel, mid-slopes occupied by *kiawe* trees and various grasses, and bare wind-swept areas a higher elevations. The plants in the previously denuded areas have grown remarkably well, suggesting excellent prospects for re-vegetation of the island if wild goats can be removed. Department staff are currently planning extensive plantings, with the long-range objective of re-vitalizing the island and halting destructive erosion. The Department is supported in this work by the U. S. Navy, the U. S. Forest Service, and the U. S. Soil Conservation Service.

Due to their large population and healthy appetites, feral goats have been seriously destructive to vegetation on Kahoolawe. During the past two years, the U. S. Navy which controls the island, has substantially reduced the number of goats.



A healthy ironwood tree, fifteen months after planting as a small seedling in an area fenced to exclude goats on the Island of Kahoolawe.

Alakai Wilderness Preserve, Kauai, has been set aside for preservation as a unique environment of endemic flora and fauna.

Natural Areas

Department staff have continued to work with the Hawaii Natural Areas Reserve Commission in its program to preserve native ecosystems and unique natural areas. An initial proposal for establishment of a Natural Area Reserve has been prepared.

On the Island of Kauai, the Department has supplied plants and seeds of several rare or specially worthy endemic species to the Pacific Tropical Botanical Garden for propagation and display. On the Island of Maui, a rare species of native naupaka has been propagated, and planted out at several sites where there is a high probability of survival with little or no additional care. On the Island of Hawaii, a fence which protects a small patch of native sandalwood trees high on the slopes of Mauna Kea was enlarged and repaired to permit the trees to spread over a larger area. Also, on Mauna Kea, a small area of seriously endangered silversword was examined to determine how best to provide protection, and as a result an adjacent tract was fenced and young plants will be introduced there. Feral sheep and goats feed on the silversword, and the plants must be protected where these animals are present.

Forest nurseries operated by the Department on several of the islands are now propagating a considerable number of species of native trees, shrubs and herbs, partly for use in arboreta and along nature trails; but also for distribution to concerned individuals and organizations. The Department has also increased its participation in Arbor Day activities, chiefly by supplying suitable planting stock, in harmony with the growing popular awareness of protection and improvement of the environment.

Forest Protection

Cooperative investigations of the serious decline of *ohia* forests on the Island of Hawaii are actively proceeding. The U. S. Forest Service has provided grants totaling $120,000 to the University of Hawaii and the Bernice P. Bishop Museum to support concentrated studies on the problem. In addition, the Forest Service has assigned a forest pathology specialist to Hawaii for specific research on the *ohia* decline epidemic. Department foresters, and entomologists of the State Department of Agriculture are providing strong support to all efforts of the scientific team.

Ohia decline was recognized as a serious and complex problem in 1970, affecting one of the important endemic timber species of the State. Isolation of the cause of the epidemic will require meticulous and perhaps lengthy research. To date, more than 40 species of fungi have been isolated from diseased trees, but their pathogenicity is as yet not known. Insects associated with the *ohia* have apparently caused tree death in some cases, however, in other cases insects are apparently not associated with the decline.

In July 1971, a cooperative Federal-State Forest Entomology Program was initiated. In this new program, technical expertise is provided by staff of the State Department of Agriculture, and the work is closely coordinated with that of Departmental foresters. The primary objective is to protect forests and forest products from damage by insects and diseases. In addition to *ohia* decline which is being studied and reported separately, major forest problems reported in FY 1971-1972 included other uninvited guests: the Eurasian pine aphid, the Acacia psyllid, the Black twig borer, the Monkey Pod-Kiawe caterpillar, and the *koa* rust. In the course of the year, several biological con-

Individual ohia trees are tagged along mortality transects to obtain data on the rate and manner of their decline.

trol projects became part of the overall approach to solving forest insect problems, including a request for a biological agent to combat the Monkey Pod-Kiawe caterpillar *Melipotis indomita.* It remains essential, however, to continue to collect background information on the mode of action of insect disease organisms, population dynamics, and systems ecology; all of which are basic to an understanding of destructive insect control.

Excluding cattle and other livestock, domestic and feral, from the forest reserves may have been the most effective single factor in preserving many species of Hawaii's native flora and fauna. This operation began shortly after establishment of a territorial forest program in 1904, but did not reach its full impact until the establishment of the Civilian Conservation Corps (CCC) immediately prior to World War II. In part, this objective was accomplished by driving out, shooting, or otherwise eliminating unwanted animals from the forested areas, and in part it was accomplished by building fences to prevent re-entry of larger animals, particularly cattle.

Many fences around the forest reserve areas are now from 20 to 40 years old, and have deteriorated badly. Additionally, withdrawal of private lands from "surrendered" status has left some State forest lands unprotected. In some instances, fixing the responsibility of owners of adjacent private lands for building and repair of fencing, cannot always be clearly established. The result is that following a relatively long period of comparatively easy and effective control of cattle, the problem has worsened in recent years. Rather serious cattle trespass situations have been found in forest reserve areas on virtually all islands.

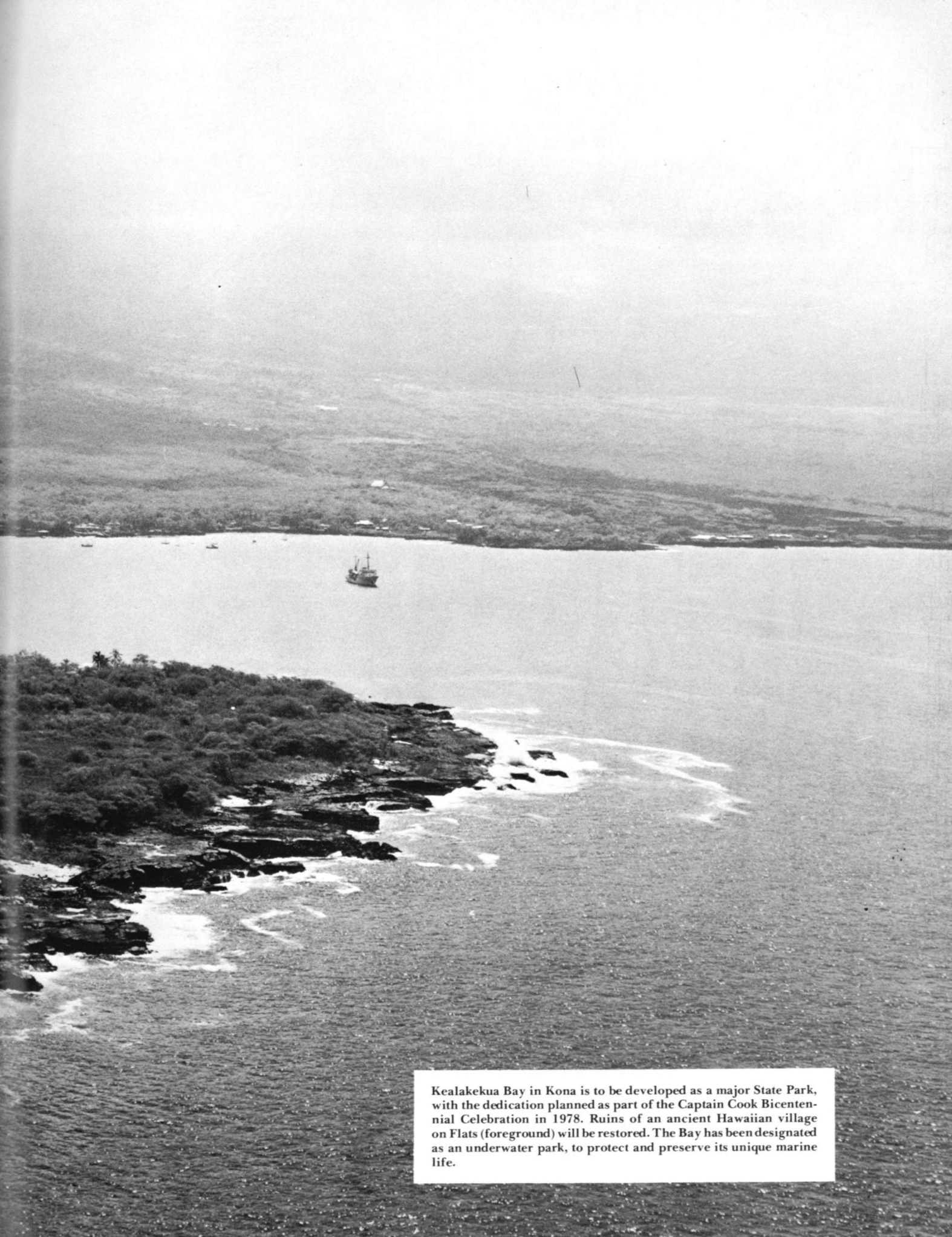
Despite a rather high incidence of fires during the past year, a total of 43 within the forest protection zone of 1,929,000 acres, and decidedly serious drought conditions, the total burned area was held to only 1872 acres. This excellent record can be attributed, at least in part, to the use of helicopters for initial fire attack. This rapid initial attack by helicopter is a distinct advantage in keeping fires small. Two of the largest and most dangerous fires occurred on the Island of Hawaii on the same day, May 28, 1972, when fire danger was very high. These fires spread at the rate of one-half mile per hour and threatened several isolated homes and the community of Pahoa. The Hawaii County helicopter, financed in its first experimental year by a State grant, proved its worth throughout the year for both firefighting and rescue missions.

Practically all forest and brush fires in Hawaii are caused by people, with a majority of fires arising from debris burning and from children playing with fire. Military maneuvers are a third major source of accidental fires, and these are often the most troublesome as they frequently start in isolated areas where damage to watershed and native forests can be severe. The continual opening of residential subdivisions in areas with limited access is increasing the risks of fire, the values to be protected, and the overall difficulty of control.

Mutual aid agreements have been established with the Hawaii, Maui, and Kauai County Fire Departments. Surplus military property such as fire trucks, semi-trailer water tankers, and four-wheel drive tank trucks have been obtained by the State for use by the Counties. Under the mutual aid agreement, the Department assisted County fire departments on 23 brush fires outside of the forest protection zone. Such brush fires outside of the protection zone have become a major problem. The Island of Maui alone had a total of 46 such fires in a six month period from January 1 to June 30, 1972.

A state-wide fire rating system is being developed with assistance of the U. S. Forest Service Institute of Pacific Islands Forestry. When operational, it is expected to greatly improve planned response to forest and brush fires.

Forest reserve boundary fence. Many fences which were constructed during the 1930's have deteriorated badly. Reconstructionis urgently needed.



Kealakekua Bay in Kona is to be developed as a major State Park, with the dedication planned as part of the Captain Cook Bicentennial Celebration in 1978. Ruins of an ancient Hawaiian village on Flats (foreground) will be restored. The Bay has been designated as an underwater park, to protect and preserve its unique marine life.

Controlled Forest Harvest

In March 1971, the Board of Land and Natural Resources approved commercial harvesting of *koa* and *ohia* from a 500-acre portion of the Hilo Forest Reserve. This controlled harvest is intended as a public experiment to point out how the forest, which is deteriorating and heavily infested with the vine *banana poka,* can be economically regenerated. Harvesting, which began in July 1971, was carried out on a selective basis, taking only fully mature trees. *Koa* seeds began to germinate immediately after logging as had been predicted by staff foresters. In the areas first logged within this tract, *koa* seedling establishment has been definately satisfactory. In the more recently logged tracts, seedlings were still appearing when examinations were made in April 1972, and it is believed that natural *koa* regeneration will be satisfactory within one year from time of selective logging. In the tests, approximately one third of the total ground surface was disturbed by logging operations. The logging activities, and additional hand control have temporarily reduced the number and quantity of *banana poka* vines in the area, and many trees which had been severely suppressed have been relieved of the smothering vines. However, these initial efforts indicate that additional work will be required to achieve permanent control of this pest plant.

Departmental foresters are cooperating with management of the Bernice P. Bishop Estate, to monitor harvest of *hapu'u* (tree fern) from their lands. Fern stumps are sold for use of the fibre by flower growers. The principal objective is to maintain production of marketable *hapu'u;* to protect smaller *hapu'u* and other native plants from logging damage; and to prevent severe infestation by exotic weedy vegetation. A logging plan has been prepared, and harvesting of material has been started. A significant period of time must pass before the effectiveness of this program can be evaluated. The Department is assisted by the Institute of Pacific Islands Forestry with both the *koa* and *hapu'u* harvesting studies, to measure and evaluate changes in vegetation.

Thicket of koa seedlings, age six months, in a cleared area in the timber harvesting unit, Laupahoehoe section, Hilo Forest Reserve.

Blowing fog is trapped by a screen and measured in a rain gage during special studies on Mt. Kaala.

Water Resources

The Department is actively engaged in conservation of the State's basic water resources, both surface and ground water. This work includes both development and protection of existing water sources, and protection and improvement of vital watersheds and forest reserves.

The report of a survey of agricultural, rural, and upstream aspects of the watershed on the Island of Hawaii, conducted by the U. S. Department of Agriculture (USDA) in cooperation with the Department, through their Type IV River Basin Survey Program, is presently in a draft review state and will be published in December 1972.

The Department, in conformance with an urgent request from the State-Federal Conference on Pollution Abatement in Pearl Harbor and the State Department of Agriculture, has completed arrangements with the USDA to conduct a similar River Basin Survey on the Island of Oahu; with a first priority to be given to an interim report on the Pearl Harbor Watershed. The interim study will evaluate the volume of sediment being transported into Pearl Harbor from adjacent lands. Sediment source areas will be identified by cause and degree of severity. Alternative plans will be formulated to reduce erosion and sediment damage through installation of land treatment practices, land use regulation, or structural measures.

The State-wide comprehensive water resources planning program was continued during the year on a State-Federal matching funds basis, with the Federal funds provided by the U. S. Water Resources Council under Title III of the Water Resources Planning Act of 1965. The planning efforts are being carried out on an island-by-island basis with an inventory of basic water resources data, and formulation of guidelines for more detailed planning, research, development and management of the total water resources for each island. During the year, major activities within this project were on the Islands of Maui, Kauai, and Oahu.

Kanaha Pond on Maui, is an important Wildlife Refuge, set aside some years ago for protection of endemic and migratory waterfowl.

The U. S. Geological Survey staff, under terms of a cooperative agreement with the Department, completed a water resources investigation for the central portion of the Island of Maui. The Department continued to compile records from approximately 1000 climatological stations' maintained by various agencies and individuals throughout the State.

The Services of the Electronic Data Processing Division (EDPD) of the Department of Budget and Finance were contracted to index and file basic water resources and climatological data for storage and retrieval.

Forest management practices which change the amount and character of watershed vegetation, also change the amount of rainfall which reaches the ground within the forests, but not as much as had been previously assumed. These findings come from a recent mathematical simulation of the rainfall interception process by a forest hydrologist of the Institute of Pacific Islands Forestry.

A watershed management research study of the effects of land use on watershed soils was extended to the Islands of Kauai and Maui. Soil hydrology data from these islands supports previous findings from the Islands of Oahu and Hawaii, that compared to a forest cover, grazing compacts the soil and reduces water infiltration. Similarly, cultivation of lands for sugar or pineapple production reduces infiltration and produces smaller, more easily erodible soil aggregates. Results of these studies suggest that the hydrologic "costs" resulting from conversion of forest lands to other uses, e.g., increased surface runoff; decreased ground water recharge; and greater hazard of erosion; must be recognized.

Wildlife Resources

The *Nene* Restoration Project at Pohakuloa on the Island of Hawaii was continued under a $25,000 contract from the U. S. Bureau of Sport Fisheries and Wildlife. One hundred and four *nene* goslings were produced at Pohakuloa station for release in the wild. This year's production brings to 1062 the number of geese reared at Pohakuloa since the start of this project in 1949. Field observations of wild *nene* were continued on the Islands of Hawaii and Maui, where releases have been made. Several nene nests and broods were observed on Hawaii. Nests were also noted on Maui, and in July, an observation of three goslings, approximately three-fourths grown, was confirmed there. The young birds appeared healthy and were strong in flight. The Maui observation was a most significant step in the restoration program, since it represented the first recorded sighting of young *nene* reared to near maturity in the wild on Maui.

Fifty-one *koloa* reared at Pohakuloa were released in the Kohala Mountains on the Island of Hawaii. Reports were received during the summer of 1972 of several *koloa* broods which were reared in the wild near the point of release. These reports are encouraging evidence of the success of this continuing program 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 Hawaii and on the Island of Oahu, while the largest population in the State is on the Island of Kauai.

Water collecting ditch in the Kohala Forest Reserve. Most water for domestic, agricultural, and industrial consumption comes from the forest reserves. Maintenance of a favorable vegetational cover is essential to protect the quality and regulate the flow of water.

The Department maintains a continuing program for surveying, studying, and protecting the seabird populations on the off-shore sanctuary islets of the main islands of the Hawaiian Chain. These birds are important to the fishing industry of the State, since flocks of these birds feeding in the open ocean are used by fishermen to locate schools of desirable *aku* and other fish. During the year, Departmental wildlife biologists visited the Islands of Kahoolawe, Manana, French Frigate Shoals, Lehua, and Kaula, to conduct biological reconnaissance, and to assess wildlife populations. The expedition to Kaula Rock off the Island of Niihau was the first comprehensive survey made of this islet since the 1930's, and the wildlife biologists noted 14 species of birds there despite use of a portion of the islet by the U. S. Navy as a bombing target.

Plans for development of the Kanaha Pond Wildlife Refuge on the Island of Maui were finalized during the year. A contract for improvements to the proposed Paiko Lagoon Wildlife Refuge and Natural Park was awarded prior to the end of the fiscal year.

A shoreline survey of the area between Milolii and Humuhumu Point on the southwest coast of the Island of Hawaii was carried out in connection with a proposal for development of a Wilderness Park in this section of the island. The survey involved a total of 15 underwater transects by a team of aquatic biologist divers to determine reef fish species composition and density, as well as detailed descriptions of the marine habitat. A similar detailed survey was conducted off the Island of Oahu, in the area between Magic Island and Honolulu Harbor. The purpose of this survey was to obtain baseline information that would enable comparison of fish populations before, during, and following imposition of fishing restrictions curtailing all fishing activities within the area. Departmental staff are presently drafting a proposal for a marine life conservation district program encompassing the Island of Oahu, called the "Kapuku" plan (The Hawaiian translation of which is "To Restore Life") wherein shoreline areas would be alternately opened and closed to all fishing activities as a means of replenishing reef and offshore marine life.

SECTION IV

PROGRAMS FOR LEISURE TIME

The Department is deeply concerned with and involved in programs which provide opportunities for leisure time activities to the public, including both active and passive roles. These programs include development and maintenance of public parks; controlled hunting and fishing; access to forest and wilderness areas; and the location, restoration or preservation, and interpretation of historic and cultural sites and places.

Recreational Planning

The State Comprehensive Outdoor Recreation Plan (SCORP), published in December 1971 by the State Department of Planning and Economic Development, provides a basic framework or "master plan" for state-wide research and planning for recreational development throughout the State. The report proposes creation of a "clearinghouse" for all recreational planning and programming within the Department of Land and Natural Resources, including periodic updating of the SCORP itself. The Department would also provide a broad recreational data source and technical assistance to all recreational programs within the State.

Consultant planners under contract have prepared investigative studies and recommendations for development of Iao Valley State Park on the Island of Maui, and for Wahiawa Freshwater Park and Waimanalo Bay Park on the Island of Oahu. Department staff planners have analysed a preliminary investigative report for the Makiki-Tantalus area of Honolulu, and have prepared recommendations for development of this area.

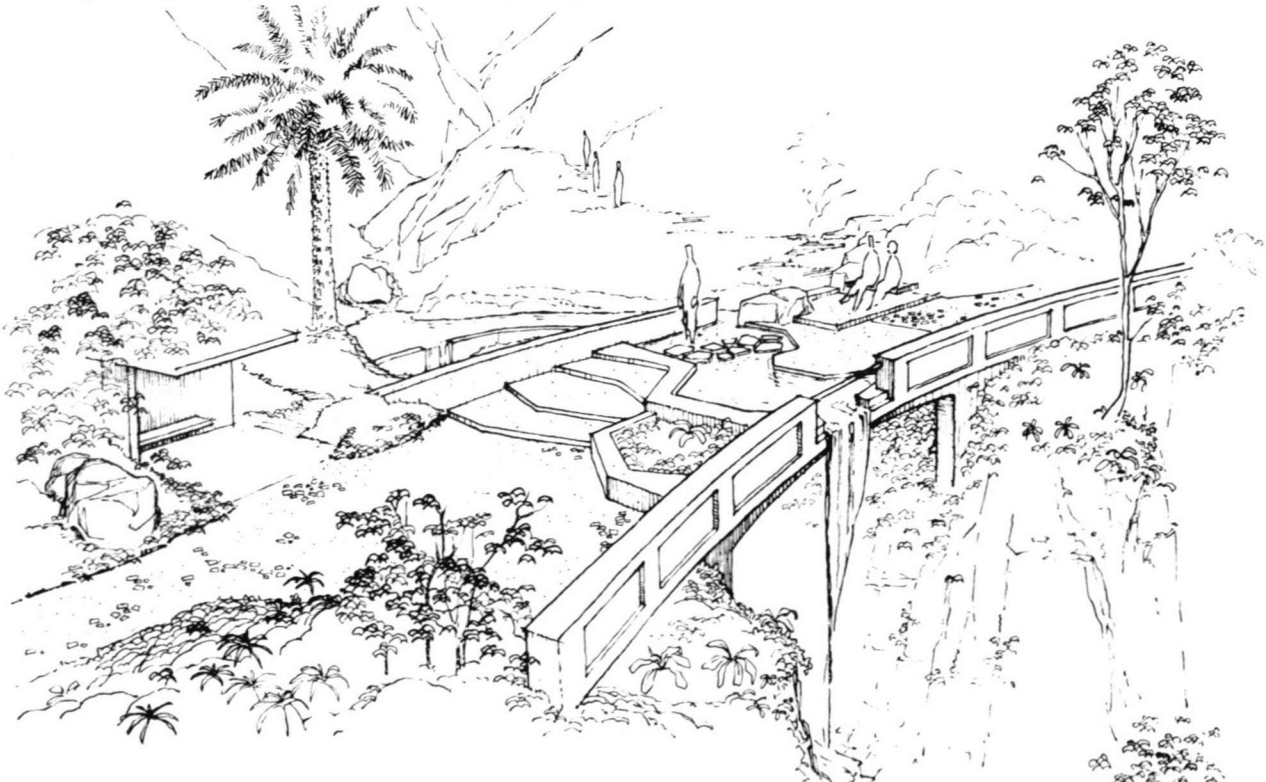
Parks Development

A grounds and landscape irrigation system was completed for Hapuna Beach Park on the Island of Hawaii. This system included development of an adequate source of water, transmission line, and the distribution system within the park. Availability of irrigation water will improve management and care of the landscape plantings being designed as a major part of this beach park. In progress at the end of the year was construction including a pavilion, comfort station, walkways, off-street parking, and landscape plantings throughout the park. These amenities should greatly increase the enjoyment of the many park visitors.

On the Island of Maui, improved facilities for picnicking, and off-street parking for beach-oriented activities were provided for Launiupoko and Wahikuli Beach Waysides.

The planned development of Aina Moana State Park [formerly known as Magic Island Park] was completed early in 1972, with the addition of picnicking facilities, benches, comfort stations, footpaths, landscaping, parking space, and lighting. This magnificent park area was well patronized both before and during the development phases. A formal dedication ceremony, officially opening the park for public use was held on March 16, 1972, highlighted by a dedicatory speech presented by the Lieutenant Governor, the Honorable George Ariyoshi. Brief remarks were contributed by the Chairman, Sunao Kido, and by other prominent government officials and private citizens. Public usage of the park has greatly increased since development was completed, and all indications are

Parks planning developed a schematic rendering of a proposed walkway and waterfall at the Nuuanu State Park, Oahu.



that the park facilities are well used and greatly enjoyed by the public, both resident and visitor.

Planned developments were carried out at a number of existing scenic and recreational areas in the State. These included the construction of improved access and parking space, and the landscaping of the viewing areas for Rainbow Falls in Hilo on the Island of Hawaii. These improvements have improved both the safety and comfort of visitors to this popular scenic point. Presently under construction are major improvements at Nuuanu Pali State Park, one of the most outstanding scenic and historic sites and one of the most popular tourist destination points in the State. A viewing platform landscaping and improved parking facilities are being provided.

Picnicking facilities, an access road and parking spaces were provided at Waahila Ridge Recreation Area in Honolulu.

Parks Management

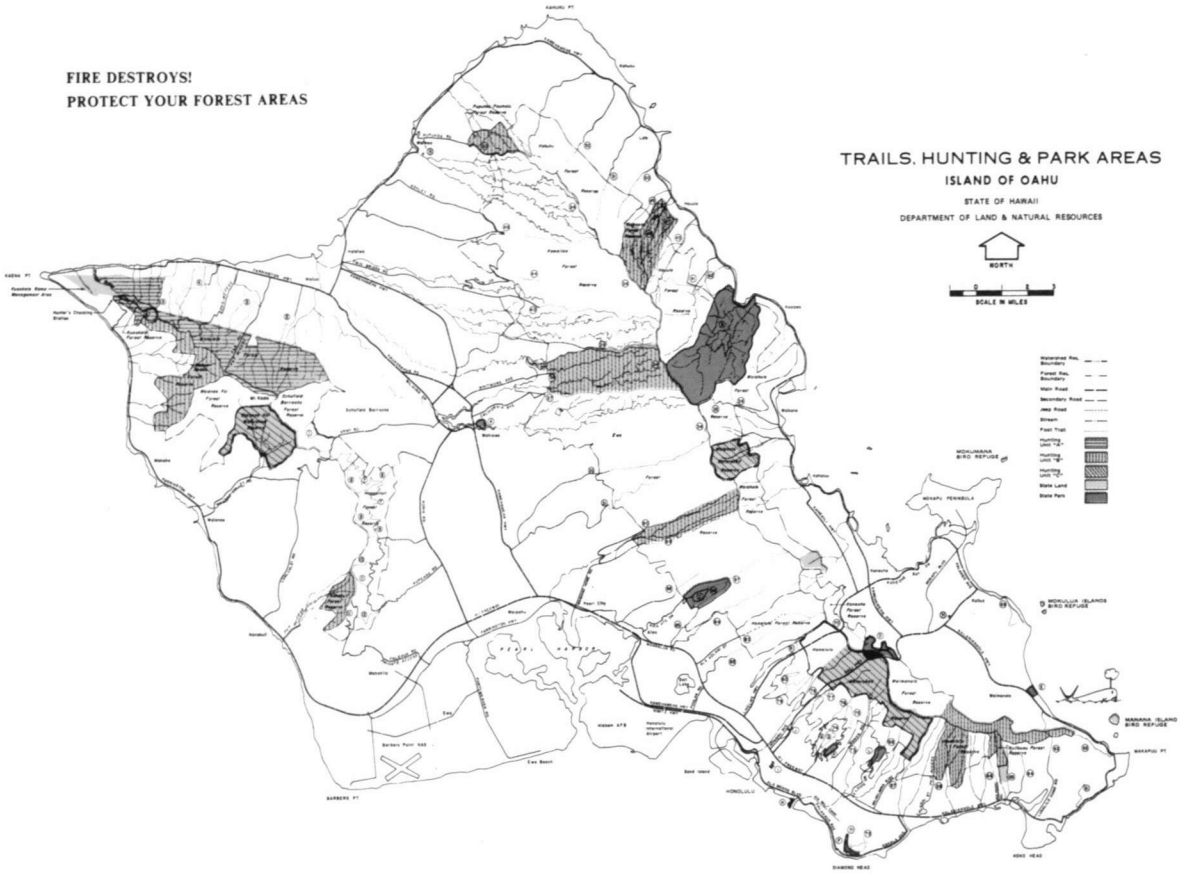
Development and usage of new parks, and the continual improvement and expansion of facilities within existing parks, has combined with the greatly increased public participation and visitation of parks, to substantially increase the total workload and complexity of parks operations and management. This problem has been further compounded by the urgent need for maintenance and protection of lands acquired for future development and expansion of the parks system; but not as yet formally incorporated in the organized development. The present demand for recreation is such that the public will often make use of these areas even when no facilities have been provided. Additionally, the parks maintenance staff in the Department is frequently called on to provide maintenance and other support to lands normally controlled by other divisions.

Open lawn areas, and completed group-cabins ready for occupancy at Kalopa State Park, Honokaa, Hawaii.

A permanent operations and maintenance staff of fifty-five support this program. In addition, the need for additional maintenance was in part alleviated by eleven Public Employment Program (PEP) and one Public Service Career Program (PSCP) employees. These employment programs are designed to provide unemployed and underemployed persons with transitional employment in jobs providing needed public services during times of high unemployment; and to assist in securing permanent employment for disadvantaged persons in State government agencies. On-the-job training was provided to these temporary employees by the permanent staff of the Department. During the summer months, 110 summer student hires assisted in various parks maintenance and operations work tasks. This added summer help was most useful in carrying out deferred maintenance necessitated by shortage of regular staff.

Lawns and landscaping have been completed, and walkways paved to give all-weather access to the lagoon at Magic Island, recently re-named Aina Moana State Park.

Mowing of lawns and other maintenance operations are a continuing process at the State Capitol in Honolulu, and at other Historic Sites and State Parks throughout the State.



This is a trail and parks map of the Island of Oahu, typical of the recreational maps being prepared for all of the major islands in the State.

Recreation Map

A new recreational use map was published by the Department, covering the Island of Hawaii. It is 23 x 35 inches in size, and shows all of the State controlled and operated recreational areas and facilities available. These include public hunting areas, forest reserves and State Parks, and forest roads and trails. The reverse of the map contains useful information relating to access routes to parks and hunting areas, the major features of interest of the State Parks, and the telephone numbers of key personnel and offices of the Department on the Island. The Islands of Oahu and Kauai had already been covered by maps issued in previous years. The Island of Maui will be similarly covered in the near future.

Forest Trails

The Kauai Forest Reserve Trails, the product of many hours of sweat and toil by Department forest employees, have gained great popularity with both residents and tourist visitors. The forest trail system, together with the forest access roads, have been carefully planned to provide maximum access for forest-protection and development activities of the Department, and also to provide for the active enjoyment of many persons with a wide variety of wilderness interests. The ultimate destination or end of a trail may now in many instances be secondary to a stroll or hike along portions of it for sightseeing, nature study, exercise, or wilderness photography.

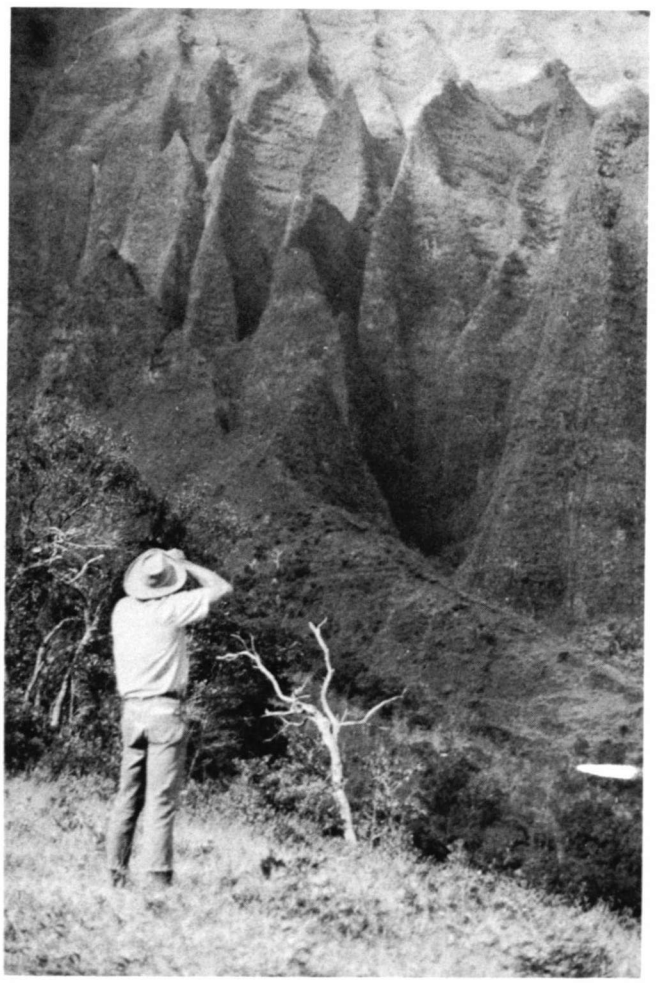
Normal forestry management activities along trails has been carried out with the additional purposes of noxious weed control, to provide access to scenic viewpoints, for improved access to streamside fishing, and for overall public enjoyment of wilderness areas. Many student groups are learning firsthand about Hawaii's wildlands and wildlife by taking forest trail hikes. These groups are not limited to Hawaii's students only, but include also student groups from the U. S. Mainland as well.

A group of Sierra Club members from California came to the islands on a hiking and camping trip several years ago. They have returned every year since. Last year this conservation group not only enjoyed the trails, but they also helped in maintenance work on the trails by organizing a Sierra Club Maintenance Party in cooperation with the Kauai District foresters. This club has been active on the Mainland for many years in trail maintenance and litter cleanup parties in the back country of National Parks and National Forests. Kauai's forest trails were greatly improved by their work. Attractive Forest Reserve trail signs on Kauai and the other islands are regularly attracting more people into enjoyment of the forest wildlands.

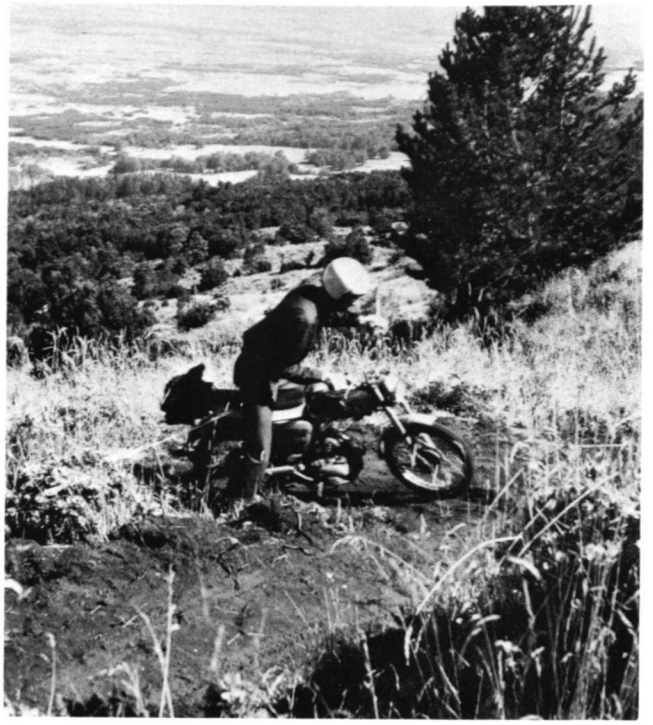
Off-road Motor Cycling

The Department, and the Hawaii Motorcycle Association, working cooperatively, have selected an area and are actively planning development of off-road motor cycling at Waialee on the Island of Oahu. The site will be situated on a tract of State land currently leased to the U. S. Army for military exercises. The lease contains a provision which allows use of the area by the public on weekends, and thus utilization of the land for this wholly different but essentially compatible activity is possible. The project was initiated in response to the recreational needs of the more than 3000 motorcycle sports riders on the island. Planned developments for this project include improvement of the access road and provision for parking, as well as construction of a perimeter cycle trail, moto-cross and mini-bike areas. Provision will be included for beautification of the area, and for control of dust and soil erosion.

Representatives of the Motorcycle Association have participated in all aspects of site selection and planning, and will be responsible for regulation of the sport and for control of the area during their periodic occupancy.



A State wildlife biologist scans steep mountain slopes during a wild animal census held each year prior to opening hunting seasons.



Development of the off-road motorcycle recreational area at Waialee, Oahu, will greatly expand the opportunities for cycle recreationists to enjoy their sport with a minimum of danger or inconvenience to the general public. Rempac-Sager Photo

Public Hunting Areas

Public hunting is regulated by the Board of Land and Natural Resources, on approximately one million acres of game-producing lands on all the major islands of the State. These areas include State-owned lands under the control of the Department, as well as State-owned lands under the control of other agencies and jurisdictions; and private lands on which the hunting rights have been secured through cooperative agreements. Included within this total area is approximately 500,000 acres which have been designated as "Game Management Areas" because of their outstanding game-producing capabilities. Hunting on these game management areas is closely controlled, thereby making possible improved recreational opportunities, and also the collection of more reliable hunting statistics.

Big game harvest reported from the game management areas of the State increased slightly over that of the previous year. Hunters made a total of 23,200 hunting trips in pursuit of game mamals and harvested a reported total of 6,780 animals; including feral goat, pig, and sheep; axis deer, mouflon sheep, blacktail deer, and pronghorn antelope.

The game bird season was one of the most successful in the past several years. The reported hunter take increased 350% over the previous year. Successful hunters harvested a total of 8,800 game birds from the game management areas, including ring-necked pheasant, chukar partridge, California quail, Gambel's quail, Japanese quail, lace-necked dove, barred dove, grey francolin, black francolin and Rio Grande turkey.

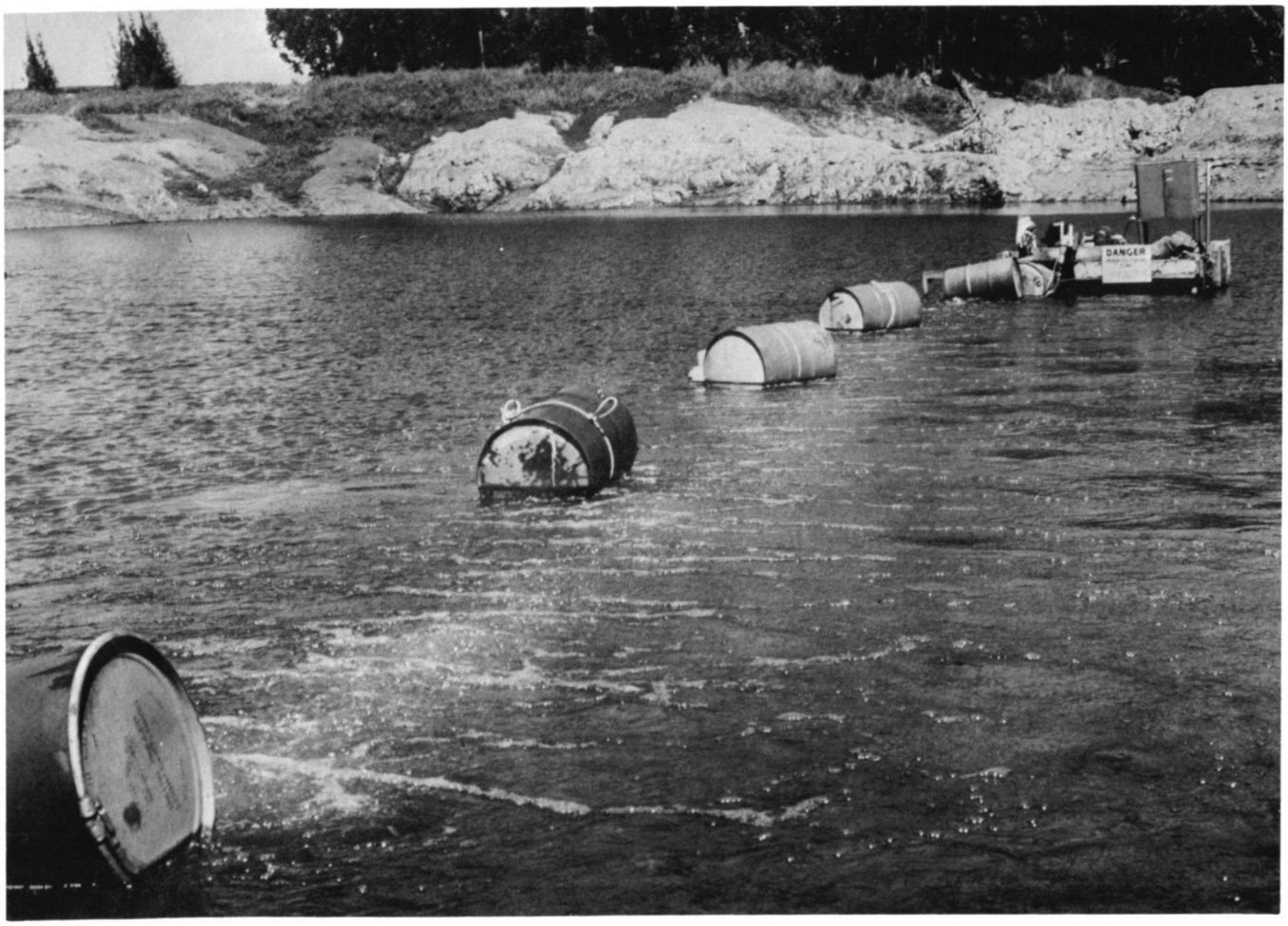
A game bird watering system was completed during the year at the Kekaha Game Managment Area on the Island of Kauai, with addition of one bird watering unit and 600 feet of distribution pipe to the existing 10,000-gallon tank, piping, and watering units installed during 1970-71. This addition should further enhance conditions for game bird production in this generally arid zone. Herbicide experiments were continued, and trial plantings of selected game bird food plants within the management area were evaluated during the period. Some plant species show considerable promise for improving feeding conditions for the game birds in the area.

On the Island of Hawaii, a nine-mile long hunter access road [jeep trail] was completed in the Puuanahulu Game Management Area, and short jeep trail spurs were also constructed to sites suitable for installation of game bird watering units. Construction was initiated on a series of these units, which have a storage capacity of about 300 gallons each, to provide a source of water to game birds in this arid area. A permanent firebreak was established parallel to and about 200 yards from the Belt Highway. This game management area has been burned over twice in less than ten years with a heavy loss of wildlife. The firebreak should assist in limiting future fires to a narrow strip along the highway.

A life history study of the blacktail deer introduced on the Island of Kauai was continued, and further attempts were made to determine populations, distribution and productivity. It was estimated that there were approximately 575 deer on the island as of June 30, 1972, distributed principally in the Puu Ka Pele-Na Pali Coast area, although a few sightings were reported in Kekaha and Waimea Canyon. The doe-to-fawn ratio was very nearly 1-to-1, which is about normal for this species. Deer exclosures showed little difference in vegetation growth and condition from surrounding areas, an indication that the range is not being adversely affected from the presence of the species at this time. The blacktails were noted consuming principally fruit in the summer and fall, and browse materials in the winter and spring. Two new food materials were recorded in the diet of the deer — *persimmon* and *poha*.

Studies continued on population density of feral pigs in the forested areas of the Island of Hawaii. A strip census technique, using dogs to flush pigs from cover, was the most promising, and was tested extensively. Representative study areas were selected for developing the census technique, and most of the preliminary work was performed in the Laupahoehoe portion of the Hilo Forest Reserve and the Waiakea Forest Reserve. The maximum animal density at Laupahoehoe was estimated at approximately one pig per 2.0 acres, and an estimate based on 23 census trips indicates a total population of 1561 adult pigs during the spring, summer, and fall of 1971. Census data from the Waiakea area suggest that the feral pig population is highest in the central portion of the forest, and decreases towards the perimeter. The maximum density found during this portion of the survey was approximately one pig per 15.0 acres. Data based on nine census trips suggest a total pig population of 2564 during the spring of 1972.

A typical rainfall catchment and tank for a gamebird watering system. Note that the storage tank is modified from a military aircraft drop tank.



Operational aeration system in the Wahiawa Reservoir. By elimination of a temperature barrier to circulation between the surface and deeper water, thereby increasing the total oxygen absorbed at the water surface, the experimental system prevented a massive fish kill during the 1971 drought period drawdown of the reservoir.

Public Fishing Areas

Data collected at checking station showed that during the 1971 trout fishing season at Kokee on the Island of Kauai, (August 7 to September 26) 369 fisherman-trips resulted in the taking of 883 trout. The largest trout of the season, weighing 4¼ pounds and measuring 20 inches, was caught in the Waiakoali Stream. The Koaie Stream, in its second open season, produced a total of 128 trout in 26 fisherman trips.

The trout hatchery facilities were relocated during the past year from the old Keehi Fisheries Station, to the Anuenue Fisheries Research Center, and operated from the new station from February 2nd through the end of the report period. Three shipments of trout eggs were received and processed, and the fingerlings were released in the streams of the Kokee Public Fishing Area. One lot of fingerlings was held over, to be released during July 1972.

Estimates derived from creel census and fisherman interview data collected during the 1972 fiscal year showed greatly increased use of the Wahiawa Public Fishing Area by the fishing public. It is estimated that not less than 22,000 fisherman-trips were made to this facility, and that a total of 24,000 fish were taken. This represents roughly a 25% increase in recreational fishing in this area over the previous period. This increase is reflected in part, in a similar increase in sales of freshwater fishing licenses in the same periods.

In the fall of 1971, when water levels in the Wahiawa Reservoir fell drastically because of low rainfall, an emergency aeration system was installed and operated, which prevented the massive fish kill which in the past had occurred during low water conditions. Experience gained through this experimental application has been used in planning an air injection system to be permanently installed as soon as funds may be made available.

Controlled public fishing in Honolulu Board of Water Supply Nuuanu Reservoir No. 4, which is in a restricted watershed area near metropolitan Honolulu, again supplied significant recreational opportunity for avid fishermen. Three "fish-ins" were conducted during the period of the report, during which 1412 fishermen caught a total of 1243 *catfish* with an average weight of 1.2 pounds. Most fish caught were in prime condition, clearly indicative of the success of the supplemental feeding program initiated in this reservoir during the preceeding year.

Artificial nests, consisting of clay pipes, were installed at selected points within the reservoir to enhance natural spawning and thus increase fish population. In addition, fish eggs recovered during a heavy drawdown of the reservoir were hatched at the Kewalo Fisheries Station, resulting ultimately in restocking of about 5000 *catfish* fingerlings back into the reservoir.

Excellent progress was made again this year in the study of the life history of the *tucunare,* an important introduced gamefish. Data collected in this study are being subjected to analysis by electronic computer for the derivation and interpretation of certain parameters, particularly in the area of population dynamics. Much information is being obtained also on the spawning habits, food habits, and effects of environment on the species. A new and interesting management measure established as a direct result of this study was the 15-inch maximum size limit for taking this fish; which protects an important part of the spawning population during the peak reproductive period, while at the same time not significantly reducing the yield to fisherman. The previous minimum size limit was 12 inches.

Artificial Fish Shelters

Approximately 375 tons of damaged concrete pipe, donated by local pipe manufacturing firms, were added to the Maunalua Bay Artificial Reef, raising the total pipe within the reef to 1435 tons in all. A fish count made during March over a section of this reef containing both concrete pipe and old automobile bodies indicated a population density equal to approximately 1820 pounds of fish per acre. This is the highest standing crop estimate obtained for this reef, and compares with an estimate of about 37 pounds per acre supported by the relatively barren grounds prior to construction of the reef.

Plans and preparations are being made for construction of a new artificial reef off the windward coast of the Island of Oahu. A site off Kualoa and Kaaawa has been tentatively selected, and applications have been submitted to various State and Federal agencies to secure permits necessary for construction of the reef within conservation waters. The project will be coordinated with the City and County of Honolulu automobile cleanup campaign which is planned to rid Oahu of at least 2000 derelict and abandoned automobiles during the month of August 1972. Automobiles collected during the clean-up campaign will also be dumped at the Maunalua Bay and Waianae Artificial Reefs.

A toddler gets an early initiation in fishing at the Board of Water Supply Nuuanu Reservoir No. 4.

Historic Restoration

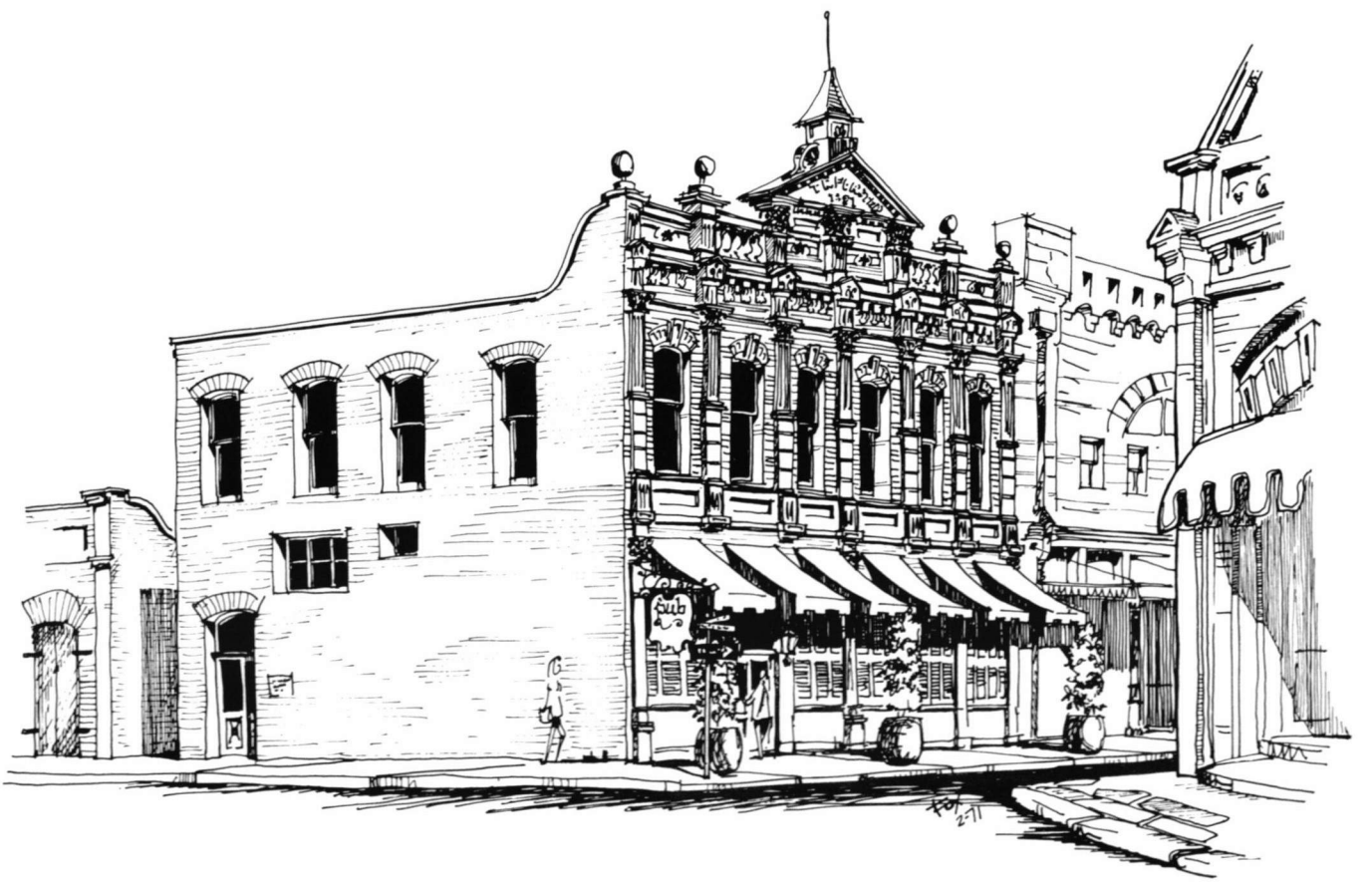
The first results of the planned restoration of historic Iolani Palace have become visible with the complete refinishing of a central bedroom on the second floor. This work is being carried on under the specific direction of the Friends of Iolani Palace, under terms of a contract with the Department. New plaster work, painting, wood finishing, installation of a wood floor and windows, replating of hardware and resurfacing of the decorative picture mouldings have all been painstakingly done. Some of the furnishings in the Friends collection have been placed in the room. The restored bedroom is not yet open for public display, as construction work is continuing around it.

Three major sections of the architectural research report have been finished. These include information on the coronation stand [bandstand], the bungalow, and on the Palace lighting. Prior to the termination of the current contract in February 1972, similar reports are expected, covering the Palace construction; building alterations over the years; and on the Palace grounds. These reports include information gathered both from documentary references, and from physical investigations of the structure.

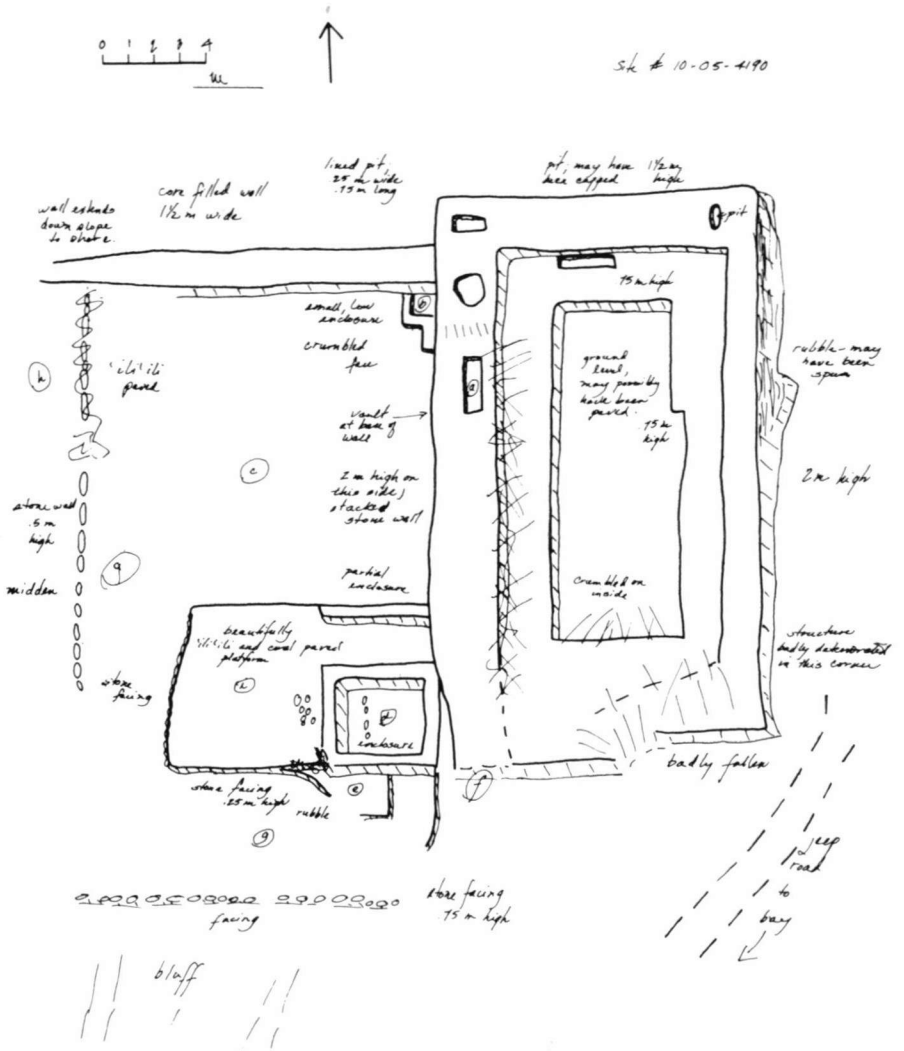
Fifty percent of the detailed restoration drawings have been completed. Structural changes to the central core of the building have been planned to permit installation of a larger modern elevator servicing proposed storage areas in the attic. Also planned is the elimination of concrete support pillars in the basement, added during the 1930 renovation of the building.

Repairs to the Palace towers and roof; cleaning of clogged moat drains; complete renewal of the electric wiring system; and installation of fire and security alarm systems have solved some of the most urgent interim needs of the project. The Barracks roof was finally put in place following a long delay caused principally by the need to design and install reinforcements in the wall foundations.

The Friends of Iolani Palace continued their dedicated work of recording and authenticating original Palace furnishings. A public open house of completed portions of the restoration, principally of the Blue Room and Dining Room, was held on Kalakaua's Birthday, with interpretative signs, artifacts, and photographs of the progress of the restoration.



The Pub. An excellent example of the restoration of historic buildings in downtown Honolulu. This old red-brick building has been converted into a replica of an English pub; thus preserving and restoring the old building, and performing an economic service to the community also.



A typical archeological field sketch. These are prepared by staff archeologists during field surveys, to delineate ancient house sites, and other structures or artifacts of interest.

The site of the old Russian Fort Elizabeth at Waimea on the Island of Kauai was acquired by the Department through eminent domain. Portions of the site immediately around the Fort remains, which had been planted to sugar cane, were cleared; and a wall was constructed along the edge of the remaining cane fields, as is required by terms of the court order. The Department is prepared to contract for a preliminary archeological survey to map the features at the site, and to dig test pits to determine with accuracy the ground level during the period of Russian occupancy. Detailed specifications have been prepared for a contract for the development of a historical master plan.

Proceedings in eminent domain have been completed for certain inholdings in the Kaawaloa flats area of Kealakelua Bay on the Island of Hawaii. Appraisal of land parcels on the Napoopoo side of the bay, where the high priests had resided and where the boxing matches took place during Captain Cook's visit, has not as yet started. Another parcel of land beyond the Hikiau Heiau has been proposed for purchase for use as a visitor orientation center for the project.

This whole site has been strongly recommended for development as a major historical park, for the Cook Bicentennial in 1979. Historical research and archeological excavations for this project are being planned.

An archeological team from the Bernice P. Bishop Museum, assisted by two crew members who live in Kahana Valley, conducted a surface survey to locate any remaining Hawaiian sites in this rain drenched valley on the Island of Oahu. The major pattern discovered was one of agricultural terraces for growing wet-land taro. These series of terraces were irrigated by the streams of the valley, or by "auwais" (irrigation canals) constructed to channel water away from the streams to other parts of the valley.

A Phase II, or more detailed project has been proposed by staff of the Department, to carry out detailed historical research connected with Kahana Valley, and to excavate specific sites holding promise for understanding the valley's cultural history. These proposed excavations would be directed at determining sequences of land use, the style of construction, the methods of farming, and the spatial distribution of human habitation in the valley over time. Special attention would be given towards investigation of the time sequence of the construction of Huila Fish Pond in Kahana Bay, which has already been designated a National Historic Landmark by the Department of the Interior.

The necessity for a statewide inventory of all known archeological sites, and of historic sites and buildings has been recognized by the Federal government through a program established by the National Historic Preservation Act of 1966. This Federal Act provides for matching grants to the States for statewide inventories and plans, as well as for the acquisition and development of significant historic places. Each State is required within this program, to make an inventory of its total historical resources, whether they are located on public or private lands. A statewide comprehensive historic preservation plan is also required by the program, but is to follow completion of the basic inventory. The Federal Act also ensures that sites on the National Register of Historic Places will receive full consideration by any Federally funded or licensed program or project that might affect them.

The Department commenced the State's inventory of historic places in 1970, and by the end of that year, the archeological portion of the survey for the Island of Oahu was completed. The survey of historical buildings and places where events of historical significance took place, was initiated in 1970, on the Island of Oahu. The initial results of the survey of archeological sites on Oahu were disappointing. It was found that approximately 65% of all known archeological sites on the Island of Oahu had already been destroyed; and further that the rate of site destruction was increasing on Oahu as urbanization progressed on the island. An average of two important sites were lost each year between 1930 and 1960: and this rate of destruction jumped to an average of eleven sites per year from 1960 to 1970.

The archeological efforts towards the statewide inventory concentrated on the Island of Hawaii during 1971, since this seemed to be the area [other than Oahu] where most intense development pressures are being felt. Additionally, this island has the greatest number of known historic sites and would take longest to complete. North Hilo, South Hilo, and Hamakua districts were surveyed during 1971, but relatively few archeological sites were found to be still in existance in these areas. A major portion of available staff time was spent in field checking the hundreds of known sites in the Kona District. Field checks on these sites have now been completed from Ke-ahole Point to Hoanunau, and from Honomalino to the Ka'u district boundary. A small portion of Ka'u was also covered during this period. It is estimated by the staff, that approximately 60% of the known archeological sites on the Island of Hawaii have now been field checked.

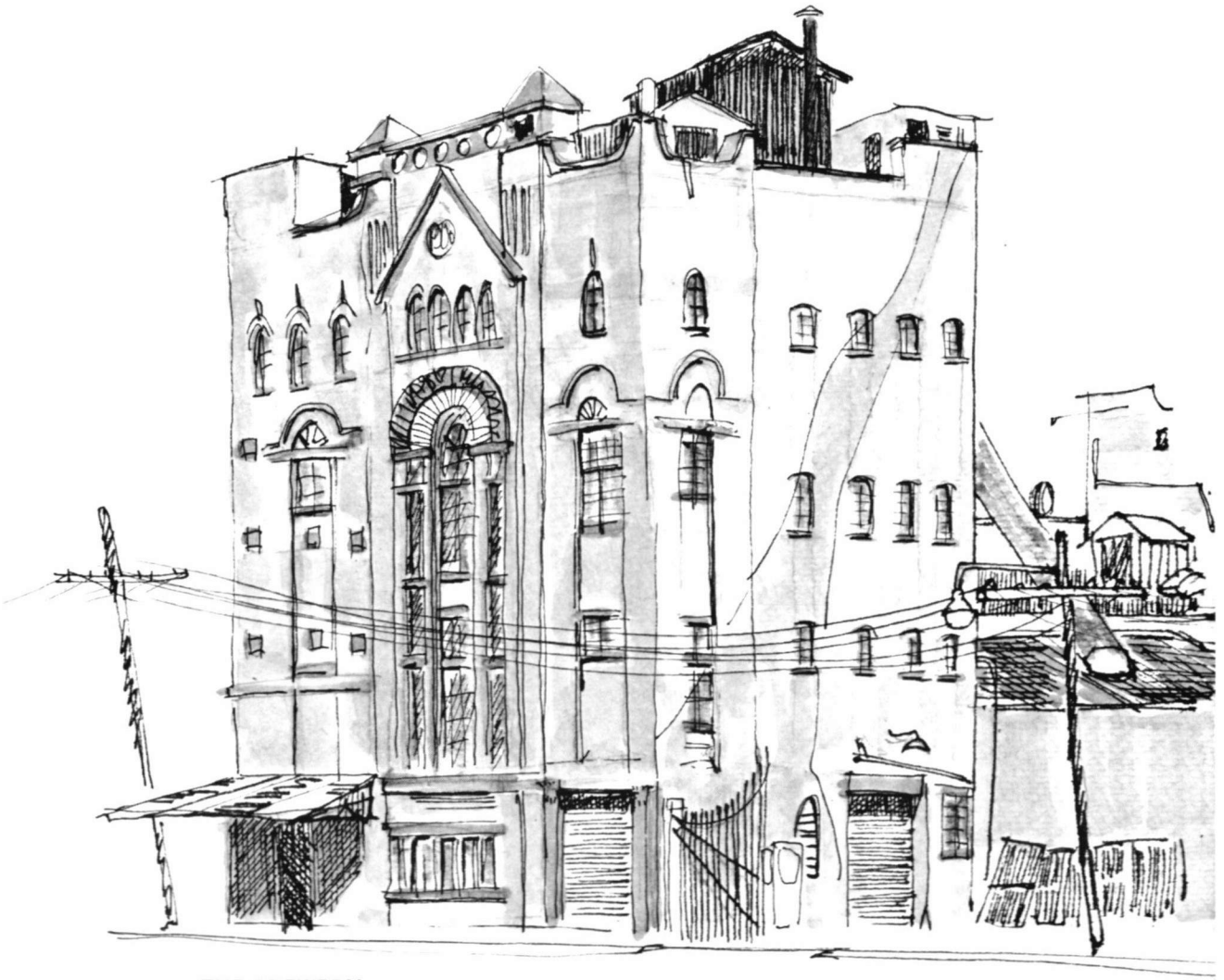
Historical portions of survey concentrated on the Islands of Oahu and Kauai, and numerous buildings and historic areas were field checked principally in downtown Honolulu, and in the Wahiawa and North Shore areas of Oahu. The Kauai Historical Society has cooperated with the staff by initiating the valuable work of preparing comprehensive lists of potentially significant buildings and areas on that island. The Maui Historical Society has been asked to conduct similar work on that island also.

Hawaiian petroglyphs discovered by staff archeologists during the Statewide survey. This petroglyph field was not previously known, but has now been nominated to the National Register of Historic Places.

Department staff archeologist recording and sketching an ancient fishing shrine in North Kona, for the Statewide archeological survey.

The Hawaii Historic Places Review Board was authorized by act of the State Legislature in 1971, and established within the Hawaii Foundation for History and the Humanities. The Foundation Trustees, in accordance with federal statute, appointed members to the Review Board, including those within the disciplines of archeology, history, and architecture. Department staff worked closely with the members of the Review Board, in establishing operating procedures and selection criteria for historic site selection and evaluation. During 1971, the Review Board evaluated virtually all of the Oahu sites inventoried during 1970; placing many within the Hawaii Register of Historic Places, and nominating some of the most significant to the National Register of Historic Places.

A special report prepared by Department archeological staff pointed out the large number of archeological remains in the Honomalino-Manuka Natural Recreational and Historical Park on the Island of Hawaii, indicating extensive use by the ancient Hawaiians of a seemingly inhospital, dry barren area. Their use of cave shelters for housing, and the cultivation of small *kipukas* of soil for food plants amid the stark lava in addition to more extensive agricultural efforts inland, display an amazing ability for adaptation of these people. Further survey of the upland areas and excavation of important sites should be undertaken before wide public use is permitted. This area was designated as a State Park Reserve by the Board of Land and Natural Resources on December 10, 1971.



THE BREWERY
553 Queen Street
1900

The Royal Brewery on Queen Street in Honolulu. Public and private efforts are being initiated to preserve and restore this historic building to some compatible use.

SECTION V

PROGRAMS FOR PUBLIC SAFETY

The Department is rightly concerned with the public safety and with protection of individuals in all of our programs and activities. However one program conducted within the Department is focussed on, and directed to the specific objective of assuring public safety, and is therefore placed within this major State program category.

Flood Protection and Control

The Department is continually developing, modifying, and maintains a General Flood Control Plan for the State of Hawaii. Department staff also coordinate the planning and development activities of the several government and private organizations and individuals concerned in any way with destructive floods and the problems connected with them.

The General Flood Control Plan promotes two basic methods or approaches for minimizing loss of life and property damage from floods. The first involves measures to control land uses and development within potential or actual flood hazard areas. This essentially regulatory program depends principally on establishment and enforcement by the several county governments of effective zoning and building ordinances which will control or prevent costly residential, industrial, or hotel/resort development on lands subject to floods or tsunami inundation.

The second method involves measures for control of destructive flood waters through reduction in the speed and intensity of flood-water runoffs, and by channeling such waters. A number of state and federal agencies, volunteer service organizations, and landowners are directly involved in restoration and improvement of ground cover on eroded lands, and in extending forest plantings for conservation of water resources. Construction of farm ponds and reservoirs and of other conservation improvements in farmlands

Flood Plain, Kihei, Maui. **USCE Photo**

Kainaliu Flood Control project, showing concrete channels that lead flood waters to a natural lava tube for disposal.

and pastures with various Soil and Water Conservation District practices, also aids in reducing runoff. The development of flood control dams, spillways and channels, and other major facilities, is principally a function of federal and county agencies; although coordinated through the Department.

The Department maintains a complete reference file on reports of floods and flood damage in the State of Hawaii. These files incorporate news media reports and field survey reports by Department staff, and staff of other State, federal, and county agencies. During and following major storms and tsunamis, Department staff coordinate the data collection efforts of all agencies, and the Department compiles and publishes post-flood reports on storm conditions and on flood losses. All information collected is evaluated by Department staff, and is ultimately utilized for planning purposes, and in justification of proposed flood control proposals.

A network of crest-stage gaging 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 for planning and design of flood control and drainage facilities, and is made available to all agencies.

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 of the islands. This basic information also enables the several counties to adopt and implement regulations which permit those uses which are not incompatible with flood hazards. During the year, the Department, through the U. S. Corps of Engineers completed flood plain maps for Kalihi and Waialae Nui streams on the Island of Oahu. Work is now in progress for preparation and publication of similar maps for Waimea Stream and for Kahaluu, also on Oahu. The latter work is being carried out by the U. S. Soil Conservation Service.

SECTION VI

PROGRAMS FOR GOVERNMENT-WIDE SUPPORT

These programs conducted by the Department, relate most generally with other programs concerned directly with the natural resources of the State, and more specifically with programs for management of such resources. However, these specific programs are considered to be so broad in their application and functions, as with the basic function of land acquisition and disposition; or so remotely related as the recordation of land transaction documents; as to be somewhat incompatible with the more specific major program categories. Thus, these programs are placed for convenience in the programs for general Government-Wide Support.

Public Land Management

The public land management program of the Department is concerned principally with the State-owned lands classed as Public Lands, and also with State-owned lands designated by the Land Use Commission within the Conservation District. By statutory definition, the Public Lands consist of all State-owned lands, including submerged lands, except public roads and 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

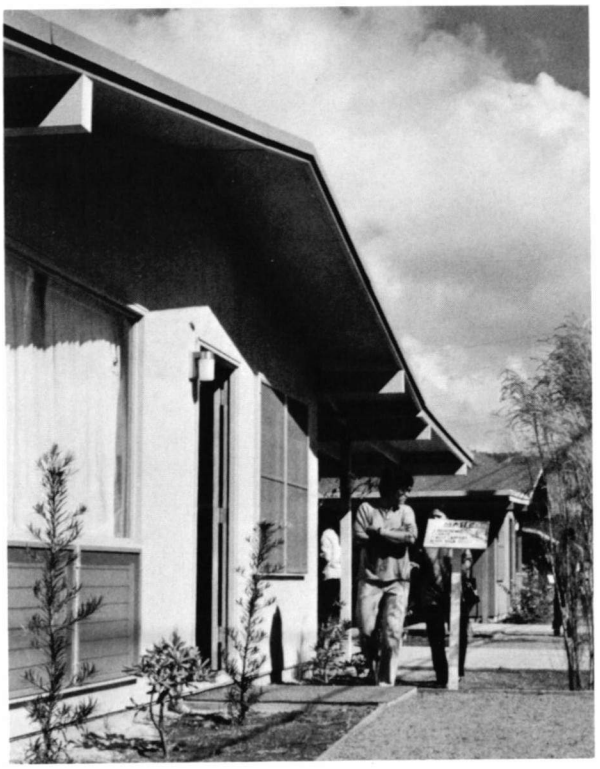
	Acres
Hawaiian Home Lands	192,000
Forest Reserves	802,052
State Parks & Historic Sites	15,584
Public Use (Executive Orders Only)	239,522
PUBLIC LANDS (Sec 171:2, HRS)*	507,060
TOTAL	1,756,218

*Hawaii Revised Statutes.

The Department maintains an active 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 services the needs of other agencies of the State, and occasionally the requirements of the several county governments.

During the past year, the Department completed acquisition on a total of 25 parcels of property consist-

A new office-warehouse at the Kauai County Board of Water Supply Baseyard. State-County cooperation provided State lands to the County without charge.



A 146-unit residential subdivision, Kauai Gardens, Kekaha, Kauai, is being developed by Midpac Development, Ltd., as the State's first project under the Private Developer Bill, ACT 68, SLH 1968. Model homes were opened to the public to assist in house selection.

ing of 127 acres in all at a cost to the State of $6.1 million. A total of 152 acquisition proceedings of all types were in process during the period, of which 15 were new requests received from other agencies. The most important land acquisitions completed during the year covered 52.881 acres for the Department of Education to provide sites for Mililani High School, Kipapa Elementary School, and Waipio Elementary School, all on the Island of Oahu.

The Department provides, out of the Public Lands, land for residential subdivisions, for industrial and resort/hotel developments, for water development, recreation, and for numerous other needs. 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, although at times such lands may be made available through long-term lease. Lands for residential sub-divisions are generally disposed by sales in fee through public auction, and through public drawings. Short-term usage of lands for all uses is provided through revocable permit, or by special license.

During the period the Department completed disposition of a total of 2542 acres of land in 271 transactions. Sales of land produced a one-time return of approximately $730,000 to the State. The sale of leases and permits will generate direct new revenues to the General Funds of approximately $65,800 per year.

LAND DISPOSITIONS* 1971-1972

	Number	Acreage	Value
Executive Orders	32	1095	**
Sales in Fee	80	27	$730,160
New Leases	14	368	29,462
Revocable Permits	145	1051	36,337

NOTE
*Detailed listings are contained in the Appendix.
**Executive Orders are set aside without charge.

The Department is responsible for the 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 other program areas.

On June 30, 1972, the Department had an active listing of 882 leases covering control and use of a total of 442,422 acres of Public Lands. In addition, some 900 revocable permits covered approximately 39,000 acres. Land uses under these dispositions include agricultural production, pasturage, business and industry, hotel/resort, as well as some government activities. Annual rentals from the leases and from permits; and from other land uses within this program reached a total of $5,210,000 for the year.

PUBLIC LAND USES

		Acres
Total Public Lands	507,060 acres	
Special Sale Agreements		52
General Leases		
Residential		140
Agricultural		360,471
Business & Industrial		735
Public Uses		53,685
Miscellaneous Other Uses		30,129
Cert. of Occupation & 999-year Homestead lease		136
Right-of-Purchase Leases		112
Fee Homesteads (Conditional Sales)		672
Permits & Licenses, etc		39,000
Unencumbered lands		21,912

Department staff made a total of 2313 inspections of public land parcels to determine status of use and compliance with terms and conditions of contracts; to detect soil erosion and noxious weed problems; to ascertain unlawful use through squatting or dumping, etc.; and to make recommendations for present and future use and management of the lands.

Conveyances and Recordation

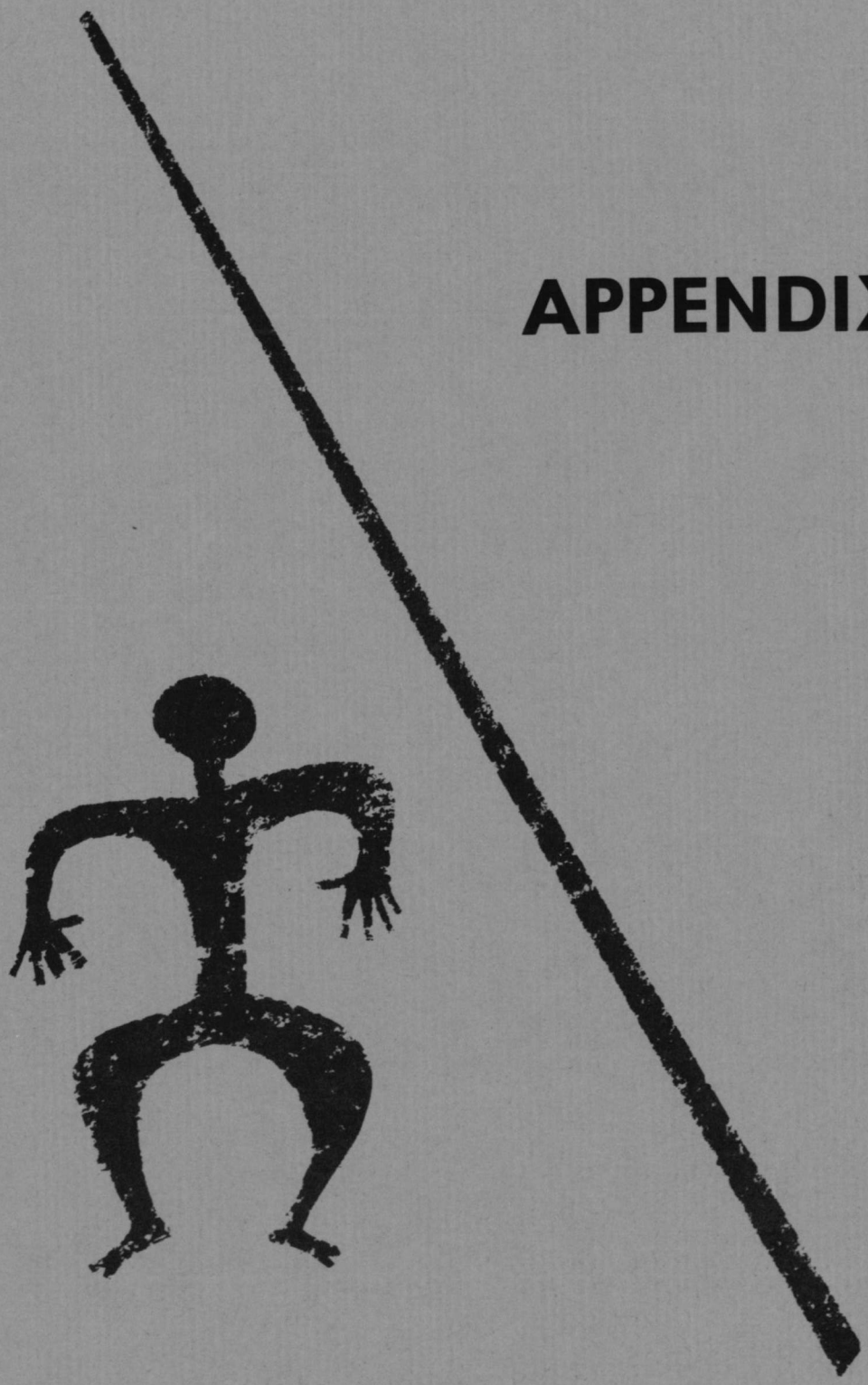
The conveyances and recordation program of the Department is mandated, and largely guided by specific statutes, and is conducted primarily to protect the equity interests of individuals and organizations, both within and without the State, in land ownership, and in the documentation and transfer of land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

During the past year, the recordation workload greatly exceeded the anticipated volume, in both the Regular Registration System, and in the Land Court Registration System. The Regular Registration System processed a total of 95,763 documents which represents an increase of 32% over the previous year; while the Land Court Registration System handled 43,896 documents, an increase of 13%. In addition, 8313 Land Court Certificates of Title were issued, as compared to a total of 7873 for the previous year. Additionally, the Department in implementing Section 490:9 (401 & 407) of the Uniform Commercial Code, recorded 22,608 UCC documents, and issued 987 UCC Information Request Certificates.

The recordation and conveyances operations of the Department generated $1,333,522 in total revenues during the year, which was deposited in the General Fund of the State.

A new County Board of Water Supply Baseyard Facility in Hilo, Hawaii. State land was provided to Hawaii County for this facility, without cost.

APPENDIX



SUMMARY OF PERSONNEL TRANSACTIONS
July 1, 1971 to June 30, 1972

Table I

Accessions		87
New Hire - Permanent	12	
Inter-Agency Transfer	1	
New Hire - Limited Term Appointment	3	
Temporary Appt. Outside List	1	
Emergency	15	
Provisional	2	
Exempt	53	
Separations		55
Resignation and Transfer (Permanent Employees)	21	
Resignation and Termination (Temporary Services)	25	
Retirement	7	
Death	2	

Other Personnel Actions		234
(Exludes increment and pay adjustments; conversion from probational to permanent status.)		
Promotion	10	
Voluntary Demotion		
Reallocation	56	
Reclassification		
Change in Title	2	
Limited Term Promotion	25	
Temporary Assignment		
Intra-Agency Transfer	4	
Extension LTA		
Extension Exempt Appointment		
LTA to Permanent Appointment		
LWOP (Maternity)	1	
LWOP (Others)	30	
Extension LWOP	4	
Name Change	2	
Correction	49	
Hazard Pay Differential		
Extension of Probational Appointment	1	
Return to Former Position	25	
Return to Duty from LWOP	22	
Cancel - Reallocation	1	
Cancel - LWOP	2	

FULL-TIME PERSONNEL EMPLOYED BY THE DEPARTMENT BY DIVISION AND ISLANDS, As Of June 30, 1972

Table I

Divisions	June 30, 1971	June 30, 1972					
		Hawaii	Oahu	Kauai	Maui	Molokai Lanai	Total
Administration and Staff	27	1	25	1	—	—	27
Conveyances	42	—	41	—	—	—	41
Fish & Game	68	16	40	6	5	5	72
Forestry	91	31	21	19	14	3	88
Land Management	29	2	23	2	2	—	29
State Parks, Outdoor Recreation and Historic Sites	99	18	48	27	10	1	104
Water & Land	50	4	45	1	—	3	53
Total	406	72	243	56	31	12	414

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 1962 TO 1972

Fiscal Year	Number of Deeds Filed and Recorded	Approx. Value of Land Conveyed	Total Filing and Recording Fees Received
1962-1963	11,061	101,987,000.00	314,485.90
1963-1964	11,680	102,232,000.00	357,938.40
1964-1965	12,175	101,482,100.00	408,619.55
1965-1966	12,799	133,301,000.00	412,919.30
1966-1967	11,643	218,966,000.00	341,266.65
1967-1968	13,615	528,972,370.00	344,247.30
1968-1969	14,683	809,639,656.00	386,887.25
1969-1970	14,876	822,665,446.00	398,025.75
1970-1971	16,036	969,486,762.00	465,205.75
1971-1972	20,354	1,211,269,225.00	618,992.00

Table 2. DOCUMENTS RECORDED AND FILED AND LAND COURT CERTIFICATES OF TITLE ISSUED BY THE BUREAU OF CONVEYANCES FROM 1962 TO 1972

Fiscal Year	Documents Recorded and Filed			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1962-1963	58,803	40,211	18,592	4,619
1963-1964	67,004	42,273	24,731	5,884
1964-1965	76,003	47,190	28,843	5,698
1965-1966	77,011	46,640	30,371	6,000
1966-1967	67,690	42,834	24,856	5,549
1967-1968	84,922	56,864	28,058	6,006
1968-1969	90,502	61,095	29,407	6,146
1969-1970	92,638	64,838	27,800	6,437
1970-1971	111,737	72,842	38,895	7,873
1971-1972	139,659	95,763	43,896	8,313

Table 3. RECEIPTS AND DISBURSEMENTS OF THE BUREAU OF CONVEYANCES FROM 1962 TO 1972

Fiscal Year Ending June 30	RECEIPTS			DISBURSEMENTS		
	Total	Regular System	Land Court System	Total	Regular System	Land Court System
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	149,369.70
1967-68	410,961.30	282,399.70	128,561.60	331,976.00	173,554.00	158,422.00
1968-69	459,869.30	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
1971-72	722,417.50	518,235.75	204,181.75	431,622.00	284,870.52	146,751.48
10 yr. Total	4,480,019.15	3,105,981.45	1,374,037.70	3,165,116.25	1,842,616.04	1,322,500.21

Table

VALUE OF PROPERTY TRANSFER IN THE STATE OF HAWAII, BY COUNTIES, 1962-1972[1]

Year [2]	MAUI		HONOLULU		HAWAII		KAUAI		STATE OF HAWAII
	% of State	Amount	% of State	Amount	% of State	Amount	% of State	Amount	
71-72	6.83	82,808,109	76.23	923,404,228	13.65	165,361,381	3.27	39,695,507	1,211,269,225
70-71	6.48	62,795,784	80.25	778,023,602	10.95	106,147,375	2.32	22,520,001	969,486,762
69-70	9.86	81,144,955	72.55	596,804,446	14.20	116,747,734	0.33	27,968,311	822,665,446
68-69	9.64	70,002,720	77.43	626,956,508	11.13	90,146,136	2.73	22,534,292	809,639,656
67-68	5.89	31,161,313	79.35	419,762,778	12.58	66,555,325	2.17	11,492,954	528,972,370
66-67	4.94	10,825,300	83.26	182,315,500	8.44	18,469,200	3.36	7,356,000	218,966,000
65-66	6.13	8,173,500	81.38	108,486,500	9.77	13,029,500	2.71	3,611,500	133,301,000
64-65	5.56	5,647,000	78.93	80,103,200	12.54	12,722,400	2.97	3,009,500	101,482,100
63-64	7.63	7,802,500	83.37	85,231,235	7.75	7,923,200	1.25	1,275,100	102,240,035
62-63	3.50	3,569,500	81.00	82,604,000	14.21	14,494,000	1.29	1,319,500	101,987,000

[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 1971-72

	Freshwater Game Fishing		Hunting	
Years Ending June 30	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
1971-1972	7,759	24,104.99	11,178	79,993.98

Table 2.
COMMERCIAL FISHING LICENSES AND PERMITS 1971-72

Kind of Licenses and Permit	Number	Collections (dollars)
Commercial Fishing - Resident	1,516	$15,160.00
Commercial Fishing - Non-Resident	28	560.00
Mullet License	114	390.00
Lobster License	2	10.00
Commercial Bait Permit	64	64.00
Duplicate Commercial Fishing License	5	2.50
TOTAL	1,729	$16,186.50

Table 3. COLLECTIONS—ALL SOURCES: 1964-65 to 1971-72

Year Ending June 30	All Collections	Commercial Fishing	Freshwater Game Fishing	Hunting	Miscellaneous Licenses, Permits, and Other Income
1971-1972	$122,118.07	$16,186.50	$24,104.99	$79,993.98	$1,832.60
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: 1971-72

	Hawaii		Maui		Oahu		Kauai		State	
Type	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	20	$72.37	—	—	5,520	$19,723.60	413	$1,482.38	5,953	$21,278.35
Non-Resident	—	—	—	—	14	100.48	9	65.61	23	166.09
Juvenile	1	1.50	—	—	1,501	2,149.64	96	137.82	1,598	2,288.96
Tourist	—	—	—	—	71	254.04	20	72.55	91	326.59
Duplicate	2	1.00	—	—	90	43.06	2	.94	94	45.00
TOTAL	23	$74.87	—	—	7,196	$22,270.82	540	$1,759.30	7,759	$24,104.99

Table 5. HUNTING LICENSES: 1971-72

	Hawaii		Maui		Oahu		Kauai		State	
Type	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	3,154	$22,654.23	2,228	$15,623.09	4,017	$28,789.33	1,287	$9,246.01	10,686	$76,312.66
Non-Resident	156	2,230.50	39	563.15	40	580.50	13	187.50	248	3,561.65
Duplicate	61	30.50	98	47.91	44	21.37	41	19.89	244	119.67
TOTAL	3,371	$24,915.23	2,365	$16,234.15	4,101	$29,391.20	1,341	$9,453.40	11,178	$79,993.98

Table 6. MISCELLANEOUS GAME LICENSES, SALES AND RENTAL: 1971-72

		Amount (dollars)
Game Bird Farm License	69	$ 69.00
Sale of Publications	84	141.50
Sale of Confiscated Legal Hunting Gear	10	630.00
Sale of Confiscated Fishing Gear	20	96.10
Rental of Hunting Cabins - Hawaii	84	896.00
TOTAL	267	$1,832.60

Table 7. MISCELLANEOUS PERMITS (NO CHARGE) 1971-72

Type	Number
Permit to Destroy Birds or Mammals	21
Scientific Collecting Permit	21
Field Trial Permit	6
Permit for Entry on Bird Sanctuaries	63
Aquarium Fish Permit	266
Permit to Keep Birds in Captivity	4
Group Permit	3
Other Permits	1
TOTAL	385

Table 8. FEDERAL AID FUNDS 1971-72

Type	Amount (dollars)
Pittman-Robertson Federal Aid in Wildlife Restoration Fund	$132,109.62
Dingell-Johnson Federal Aid in Fish Restoration Fund	119,739.82
Nene Restoration Project Fund	23,198.70
Hawaiian Islands National Wildlife Refuge Fund	—
Commercial Fisheries Research & Development (P.L. 88-309) Fund	19,029.45
TOTAL	$294,077.59

Table 9
COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII— FISCAL YEAR JULY, 1971 - JUNE, 1972

Sea Catch by Species

Species	Pounds	Value
Aku (Skipjack)	11,490,729	$2,735,187
Ahi (Yellowfin)	884,043	564,694
Ahipalaha (Albacore)	22,887	12,523
Ahi (Bigeye)	566,513	672,456
Kawakawa	23,701	4,526
Swordfishes (Misc.)	1,227	214
Stripe Marlin	236,518	148,111
Pacific Blue Marlin*	80,645	854
Black Marlin**	2,045	340
A'u lepe (Sailfish)	828	281
Mahimahi	192,757	114,232
Ono	47,906	14,336
Hapuupuu	39,283	29,124
Kahala	63,307	26,973
Kalekale	8,603	9,087
Omilu	863	549
Opakapaka	121,772	100,839
Uku	54,697	35,257
Ulaula (Ehu)	25,750	33,333
Ulaula Koae (Onaga)	59,124	91,189
Ulua	57,478	32,136
Weke-ula	19,584	15,906
Aawa	1,391	318
Aholehole	4,161	3,697
Akule	455,555	209,577
Hahalalu	354,243	164,499
Amaama (Mullet)	16,567	20,911
Awa	8,770	2,638
Aweoweo	3,754	2,174
Humuhumu (Hage)	1,557	539
Kaku (Barracuda)	5,021	1,720
Kala	16,421	2,631
Kawelea	4,434	2,667
Kumu	6,397	9,522
Laenihi (Nabeta)	2,047	1,766
Lehi	4,430	2,786
Maomao (Mamo)	2,050	1,232
Manini	7,360	5 336
Moano	11,572	8,554
Moi	10,062	12,632
Moelua	8,275	6,270
Nenue	4,621	2,084
Nohu (Hogo)	1,357	1,084
Oio	12,390	3,478
Opelu	220,528	136,474
Palani	9,445	2,838
Pualu	3,546	$ 1,000
Puhi (eel)	7,682	579
Puhi (white eel)	1,528	259
Uhu	1,914	800
Ukikiki (Gindai)	2,096	1,752
Uouoa	317	187
Uu (Menpachi)	16,414	13,577
Weke	31,936	12,548
Malu	331	223
Saba	36	22
Crab (Papai-Misc.)	5,288	4,386
Crab (Kona)	69,331	93,609
Crab (Kuahonu)	39,690	46,830
Crab (Moala)	117	78
Crab (Samoan)	49	68
Opae (Shrimp)	640	1,261
Ula (Lobster)	4,376	6,209
Ulapapapa	63	24
Hee (Octopus)	10,335	9,169
Muhee (True Squid)	14,235	6,187
Opihi (Limpet)	16,739	16,073
Honu (Turtle)	14,664	7,856
Misc.	149,354	58,196
TOTAL	15,563,349	$5,528,467

Pond Catch by Species

Species	Pounds	Value
Ulua	962	$ 731
Aholehole	113	74
Amaama (Mullet)	1,809	2,227
Awa	4,107	2,072
Awaawa	422	144
Kaku	594	523
Moi	122	62
Oio	4,604	1,654
Crab (Kuahonu)	155	24
Crab (Moala)	35	—
Crab (Samoan)	264	190
Misc.	766	217
TOTAL	13,953	$ 7,918
GRAND TOTAL	15,577,302	$5,536,385

**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, 1971 through June, 1972

	Sea Catch		Pond Catch		Total	
Island	Pounds	Value	Pounds	Value	Pounds	Value
Hawaii	1,327,656	$ 602,369	968	$1,107	1,328,624	$ 603,476
Maui	1,344,565	304,529	—	—	1,344,565	304,529
Lanai	8,530	4,161	—	—	8,530	4,161
Molokai	17,935	11,008	708	255	18,643	11,263
Oahu	12,549,708	4,476,793	12,277	6,556	12,561,985	4,483,349
Kauai	314,955	129,607	—	—	314,955	129,607
TOTAL	15,563,349	$5,528,467	13,953	$7,918	15,577,302	$5,536,385

Table 11. COMMERCIAL FISH LANDINGS BY MONTH, STATE OF HAWAII
Fiscal Year - July, 1971 through June, 1972

	Sea Catch		Pond Catch		Total	
Month	Pounds	Value	Pounds	Value	Pounds	Value
1971						
July	3,233,407	$ 689,837	1,144	$ 632	3,234,551	$ 690,469
August	1,830,279	507,601	1,249	639	1,831,528	508,240
September	1,309,469	419,919	879	471	1,310,348	420,390
October	1,150,786	395,417	1,218	600	1,152,004	396,017
November	927,904	386,559	1,217	558	929,121	387,117
December	692,737	470,713	2,587	1,682	695,324	472,395
1972						
January	522,383	296,653	1,317	841	523,700	297,494
February	544,442	329,180	729	403	545,171	329,583
March	564,001	370,509	491	415	564,492	370,924
April	590,807	361,374	720	399	591,527	361,773
May	1,592,083	603,295	1,143	616	1,593,226	603,911
June	2,605,051	697,410	1,259	662	2,606,310	698,072
TOTAL	15,563,349	$5,528,467	13,953	$7,918	15,577,302	$5,536,385

Table 12. FISHING AND HUNTING VIOLATIONS 1971-72

Type of Violation	Number
FISHING VIOLATIONS	
Fishing with illegal mesh nets/throw nets	32
Taking and possession of lobster with spear, below legal weight, during closed season and while with eggs	90
Taking oysters during the closed season	63
Taking and possession of sea mullet during the closed season	32
Possession of octopus below the legal weight	17
Fishing in marine life conservation district	4
Unlawful entry and fishing in freshwater fish refuge and public fishing area without permit	15
Fishing in prohibited zone—public fishing area	1
Exceeding freshwater game fish bag limit	3
Fishing without freshwater fishing license	43
Taking of undersized freshwater game fish	1
No possession of life preserver in a public fishing area	3
Unlawful use of thrownet in Waiakea public fishing area	2
Commercial fishing without license	4
Sale of speared fish	1
Possession of Kona crabs with eggs	3
Taking of Papio below the legal size limit	1
Netting of Akule less than 8-1/2 inches in length	2
Total Fishing Violations	317

Type of Violation	Number
HUNTING VIOLATIONS	
Hunting without license	17
Failure to check in at hunter checking station	20
Hunting game birds and game mammals during the closed season	14
Hunting and discharging firearms in a safety zone	6
Hunting game mammals in game management areas without wearing bright orange colored garment	21
Hunting in prohibited areas at night	5
Hunting and possession of firearms in game management areas without permit	16
Failure to display hunting license and unlawful transfer of hunting license to another person	4
Unlawful carriage of firearms	10
Hunting with rifle of less than 1,200 foot pounds muzzle energy	1
Unlawful shooting of non-game birds	2
Operating vehicle off designated roadway in game management area	2
Total Hunting Violations	118
MISCELLANEOUS VIOLATIONS	
Unlawful landing on Manana and Mokulua	7

Table 13. CITATIONS, ARRESTS, AND DISPOSITIONS

Subject	The State	Hawaii County	Kauai County	Maui County	Honolulu County
Citations	439	68	45	105	221
Arrests	3	—	—	1	2
Number of Charges	442	68	45	106	223
Convictions	72	7	26	15	24
Bail Forfeitures	111	40	1	17	53
Juvenile Court	30	—	10	13	7
**Cases Pending	217	19	6	58	134
Fines	9	1	4	2	2
Suspended Fines	26	1	16	5	4
Suspended Sentence	11	5	—	—	6
Split Fines (Fines/Suspended Fines)	26	—	6	8	12
Cases Dismissed	14	2	2	5	5

**Two (2) cases from previous year included.

Table 14. INCOME FROM CITATIONS AND ARRESTS 1971-72

Area	Fines	Bail Forfeitures	Suspended Fines
The State	$1,190.00	$2,755.00	$295.00
Hawaii County	25.00	985.00	25.00
Kauai County	330.00	25.00	70.00
Maui County	390.00	450.00	75.00
Honolulu County	445.00	1,295.00	125.00

DIVISION OF FORESTRY

Table 1. FOREST INCOME. FISCAL YEAR 1971-72

Source	Hawaii	Kauai	Maui	Molokai	Oahu	Central Nursery	TOTAL
Mirseru Sales	168	143	108	—	3	187	$ 690
Sale of Forest Products:							
Timber	4,203	61	—	—	—	—	4,264
Tree Ferns	3,315	—	121	—	—	—	3,436
Other[1]	249	176	32	—	1,690	—	2,147
Total Non-Federal[2]	7,935	380	261	—	1,693	187	10,456
Federal Assistance Program:							
Clarke-McNary, Sec. 2 (Forest Fire Protection							$ 55,652
Clarke-McNary, Sec. 4 (Nursery Operation)							3,300
Cooperative Forest Management							13,503
Title IV Reforestation							35,325
Rural Environmental Assistance Program							2,500
Pest Control Program							8,061
Total Federal							$118,341
GRAND TOTAL							$128,797

[1] Numerous items including Ti leaves, ginger root, wild tree seedlings, fine imposed on unauthorized cutting of trees from forest reserve, disposed property sale, service rendered other department and Xmas trees.

[2] Collections are administered by the Land Management Division. Receipts reported above do not include those from sales of water originating within the forest reserves.

Table 2. SILVICULTURAL PROGRAM IN FOREST RESERVES, FISCAL YEAR 1972

Island	Activity						
	Planting	Replanting	Natural Regeneration	Weeding	Pruning	Thinning	Noxious Plant Control
	(acres)						
Hawaii	112	110	320	230	0	0	120
Kauai	112	6	0	129	42	0	21
Maui	64	100	0	164	0	0	14
Molokai	22	3	0	38	0	0	1
Oahu	51	8	0	12	0	4	2
State	361	227	320	573	42	4	158

Table 3. ACRES AND NUMBERS OF TREES PLANTED BY SPECIES AND FOREST RESERVE. FISCAL YEAR 1972[1]

Species	Hamakua (Hawaii)	Olaa (Hawaii)	Kealia (Kauai)	Kalepa (Kauai)	Puu Ka Pele (Kauai)	Wailua (Kauai)	Waialeale (Kauai)	Koolau (Maui)	Kula (Maui)	Molokai (Molokai)	Honolulu (Oahu)	Kuaokala (Oahu)	Waianae-Kai (Oahu)	All Forest Reserves
Australian redcedar	48	6	—	—	—	—	—	—	—	—	—	—	—	54
Toona ciliata v. aus.	(17,640)	(2,200)	—	—	—	—	—	—	—	—	—	—	—	(19,840)
Ironwood	—	—	—	4	—	—	—	—	—	—	—	—	—	4
Casuarina supp.	—	—	—	(1,400)	—	—	—	—	—	—	—	—	—	(1,400)
Norfolk-Island-pine	—	—	—	3	—	2	2	—	—	—	—	—	—	7
Araucaria columnaris	—	—	—	(1,400)	—	(500)	(900)	—	—	—	—	—	—	(2,800)
Pine, loblolly	—	—	—	—	—	—	—	—	—	9	—	7	—	16
Pinus taeda	—	—	—	—	—	—	—	—	—	(6,000)	—	(7,700)	—	(13,700)
Pine, slash	—	—	—	—	—	—	—	—	2	13	4	23	1	43
Pinus elliottii	—	—	—	—	—	—	—	—	(1,000)	(6,850)	(4,000)	(12,800)	(100)	(24,750)
Queensland-maple	48	2	—	—	—	—	—	22	—	—	—	—	—	72
Flindersia brayleyana	(17,550)	(1,200)	—	—	—	—	—	(15,000)	—	—	—	—	—	(33,750)
Redwood	—	—	—	—	—	—	—	—	10	—	—	—	—	10
Sequoia sempervirens	—	—	—	—	—	—	—	—	(4,500)	—	—	—	—	(4,500)
Rosegum	—	3	2	1	—	20	14	—	—	—	—	—	—	40
Eucalyptus grandis	—	(1,200)	(875)	(700)	—	(5,000)	(4,100)	—	—	—	—	—	—	(11,875)
Saligna	—	4	8	6	25	4	17	30	—	—	—	1	15	110
Eucalyptus saligna	(160)	(1,200)	(2,180)	(3,300)	(10,450)	(1,220)	(5,530)	(18,000)	—	—	—	(800)	(6,500)	(49,340)
Shortleaf ironwood	—	—	—	1	—	—	—	—	—	—	—	—	—	1
Casuarina equisetifolia	—	—	—	(250)	—	—	—	—	—	—	—	—	—	(250)
Tallowwood	—	—	—	1	—	—	—	—	—	—	—	—	—	1
Eucalyptus microcorys	—	—	—	(500)	—	—	—	—	—	—	—	—	—	(500)
Tropical ash	—	1	—	—	—	—	—	—	—	—	—	—	—	1
Fraxinus uhdei	—	(500)	—	—	—	—	—	—	—	—	—	—	—	(500)
Miscellaneous[2]	—	—	—	—	—	2	—	—	—	—	—	—	—	2
	—	—	—	—	—	(627)	—	(29)	—	—	—	—	—	(656)
TOTAL	96 (35,350)	16 (6,300)	10 (3,055)	16 (7,550)	25 (10,450)	28 (7,347)	33 (10,530)	52 (33,029)	12 (5,500)	22 (12,850)	4 (4,000)	31 (21,300)	16 (6,600)	361 (163,861)

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

[2] Includes 160 West Indies mahogany *(Swietenia mahogony)*, 60 California redwood *(Sequoia sempervirens)*, 25 prima vera *(Tabebuia donnell-smithii)*, 5 jacaranda *(Jacaranda mimosifolia)*, 42 tropical ash *(Fraxinus uhdei)*, 10 African tulip *(Spathodea campanulata)*, 16 milo *(Thespesia populnea)*, 9 slash pine *(Pinus elliottii)*, 29 tallowwood *(Eucalyptus microcorys)*, 41 Timor shower *(Cassia multijuga)*, 200 Queensland-maple *(Flindersia brayleyana)*, 30 ironwood *(Casuarina* supp.) and 29 loulu palms *(Prichardia forbesiana* and *P. thurstoni)* but not 148 trees planted experimentally on Kahoolawe.

Table 4. NURSERY PRODUCTION. FISCAL YEAR 1971-72

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	1,500	—	—	—	530	49	—	—	2,030	49	2,079
State Forest Reserve	199,890	—	35,770	—	40,035	—	—	—	275,695	—	275,695
Other State Lands	520	1,838	403	—	95	—	165	—	1,183	1,838	3,021
Town, City, County and Public Schools	410	273	—	—	467	—	10	130	887	403	1,290
Persons, Clubs, Associations and Private Schools	46,448	45,201	73	—	2,576	1,571	11	—	49,108	46,772	95,880
Forest Reserves, not State Owned	—	—	—	—	—	—	—	—	—	—	—
Plantations, Ranches, Power Companies, Not in Forest Reserves	8,525	4,000	—	—	—	30	—	—	8,525	4,030	12,555
Total Timber	257,293		36,246		43,703		186		337,428		
Total Windbreak		51,312		—		1,650		130		53,092	
Ornamental, endemic, misc.[1]	—			869	—			287			1,156
All	308,605			37,115	45,353			603			391,676

[1] Principally arbor day distributions. Kauai also supplied about 2,000 trees in this category but these are included in the column "Timber and Other". Endemics included such species as loulu palms *(Pritchardia* supp.), kokio keokeo *(Hibiscus waimeae)* and nau *(Gardenia brighamii)*: Introduced ornamentals were such plants as Norfolk-Island pine *(Araucaria columnaris)*, and prima vera *(Tabebuia donnell-smithii)*.

Table 5. FOREST AND BRUSH FIRES. FISCAL YEAR 1971-72

(A) Location, number, acres burned

Location	Number	Acres Burned
Division of Forestry Protection Area		
Hawaii	20	941
Kauai	3	248
Maui	6	80
Molokai	3	431
Oahu	11	172
Total	43	1,872
Mutual aid fires to which Division of Forestry responded outside of protection area		
Total	23	1,513

(B) Name, date, areas and cause of individual fires 10 acres or larger.

Island	Name	Date	Acres Burned	Cause
Hawaii	Olaa	7/02/71	15	Debris
	Keaau	7/25/71	16	Children
	Pohina Pali	7/26/71	201	Equipment
	Keaau 2	8/11/71	85	Debris
	Keaau 3	8/14/71	11	Debris
	Waikahekahe	8/29/71	270	Smoker
	Keau	9/15/71	126	Ag. Burning
	Pohakea Homesteads	10/29/71	11	Ag. Burning
	Puukapu	10/30/71	30	Debris
	Orchid Land Est.	3/14/71	190	Children
Kauai	Kuilau Ridge	8/27/71	177	Ag. Burning
	Kamookoa Ridge	7/06/71	70	Smoker
Maui	Honokawai	1/11/72	75	Ag. Burning
Molokai	Kaamola	7/05/72	90	Smoker
	Kalamaula	1/01/72	339	Children
Oahu	Mokuleia	9/08/72	38	Debris
	Paalaa Uka	8/02/72	40	Military
	Mauumae Ridge	2/12/72	10	Campfire
	Halawa	3/31/72	55	Equipment
	Hawaii Loa Ridge	5/31/72	20	Children

Table 6. ROADS, TRAILS, AND FENCES. FISCAL YEAR 1971-72

	Construction			Maintenance		
	Roads	Trails	Fences	Roads	Trails	Fences
		feet				
Hawaii	53,011	—	14,890	513,480	166,580	50,266
Kauai	—	7,128	—	227,040	313,368	1,901
Molokai	11,880	—	—	183,001	2,640	45,778
Maui	—	23,760	3,168	161,568	23,760	22,968
Oahu	475	2,798	—	54,648	196,944	—
TOTAL	65,366	33,686	18,058	1,139,737	703,292	120,913
MILES	12.38	6.38	3.42	215.86	133.20	22.90

Table 7. SURRENDER AGREEMENTS FOR PRIVATE LANDS IN CONSERVATION DISTRICTS, JUNE 30, 1972.

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
Makakupaia	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
Moloaa	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	—	—	—	—

[1]Under control of U.S. Navy.

Table 9. PUBLICATIONS, DIVISION OF FORESTRY AND INSTITUTE OF PACIFIC ISLANDS FORESTRY, F. Y. 1972

Burgan, Robert E. and Wesley H. C. Wong, Jr.
1971. Species trials at the Waiakea Arboretum . . . tree measurements in 1970. U.S. Forest Serv. Res. Note PSW-240. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 6 pp., illus.

Burgan, Robert E.
1971. Variations in diameter measurements of robusta eucalyptus due to swelling and shrinking of bark. U.S. Forest Serv. Res. Note PSW-244. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 3 pp., illus.

Fullaway, David T.
1971. Norfolk-Island-pine culture. University of Hawaii Cooperative Extension Service Circular No. 453. 16 pp., illus.

Hawaii, State of
1971. Forest conservation research plan for the Seventies. Published by author. 35 pp., illus.

Hawaii, State of
1971. Forest planting plan, fiscal years 1972-1976. Published by author. 37 pp., and 24 maps.

Kikukawa, Herbert H. and Russell K. LeBarron
1971. Hawaii's most abundant tree—Ohia-lehua. Aloha Aina 2(2):12-13, illus.

LeBarron, Russell K.
1971. A forester's point of view. Aloha Aina 2(2):6-11, illus.

LeBarron, Russell K.
1971. Kahoolawe. Aloha Aina 2(2):16-20, illus.

LeBarron, Russell K. and Ronald L. Walker
1971. A look at ecology. Aloha Aina 2(2):21-24, illus.

Nelson, Robert E.
1971. Hawaii's forest resource productivity. Twelfth Pacific Science Congress, Canberra, Australia, Aug. 18 - Sept. 3, 1971.

Pung, Ernest
1971. The diet of the 'I'iwi. Aloha Aina 2(2):3-5, illus.

Pung, Ernest
1971. Forestry saves koai'a. Aloha Aina 2(2):25-26, illus.

Sager, William H. and Karl H. Korte
1971. Management Plan for Kula Forest Reserve, Island of Maui. State of Hawaii Department of Land and Natural Resources Division of Forestry. 80 pp., figs.

Skolmen, Roger G.
1971. Processing Hawaii-grown robusta eucalyptus from logs into furniture. U.S. Dept. of Commerce, Economic Development Administration Technical Assistance Project. U.S. Forest Service, Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 15 pp., illus.

Skolmen, Roger G.
1971. A durability test of wood posts in Hawaii . . . Third Progress Report. U.S. Forest Serv. Res. Note PSW-260. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 4 pp., illus.

Skolmen, Roger G.
1972. Specific gravity variation in robusta eucalyptus grown in Hawaii. U.S. Forest Serv. Res. Paper PSW-78. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 7 pp., illus.

Skolmen, Roger G.
1972. Paintability of four woods in Hawaii. U.S. Forest Serv. Res. Note PSW-267. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 4 pp., illus.

Walters, Gerald A.
1972. Survival of tropical ash planted in Tordon-treated soils in Hawaii. U.S. Forest Serv. Res. Note PSW-263. Pacific SW Forest & Range Exp. Sta., Berkeley, Calif. 4 pp., illus.

Whitesell, Craig D., Herbert L. Wick and Nobuo Honda
1971. Growth response of a thinned tropical ash stand in Hawaii . . . after 5 years. U.S. Forest Serv. Res. Note PSW-227. Pacific SW Forest and Range Exp. Sta., Berkeley, Calif. 3 pp., illus.

Wood, Hulton B.
1971. Land use effects on the hydrologic characteristics of some Hawaiian soils. Journal of Soil and Water Conservation, 26(4):158-60.

DIVISION OF LAND MANAGEMENT

Table 1. LAND OWNERSHIP OR TENURE FOR HAWAII AS OF JUNE 30, 1968

	Federal Govt.[1]	Hawaii State Govt.[2]	Major Private Landowners	Others[3]	Total Land Area of Island
Island of Hawaii	241,858	1,106,126	1,052,583	183,753	2,584,320
Island of Kahoolawe	28,800				28,800
Island of Kauai	2,306	153,305	176,953	21,548	354,112
Island of Lanai	8		87,832	1,440	89,280
Island of Maui	26,478	204,895	221,223	13,843	466,439
Island of Molokai	78	53,019	110,444	3,563	167,104
Island of Niihau			46,705	15	46,720
Island of Oahu	56,241	64,810	221,820	46,057	388,928
Other[4]		2,560			2,560
TOTALS	355,769	1,584,715	1,917,560	270,219	4,128,263

NOTE: Total area figures are compiled from 1967-68 census study; others are estimates.

[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 Atoll, Lisianski Isl., Laysan Isl., Gardner Pinnacles, French Frigate Shoals, Necker Isl., Nihoa, Lehua and Kaula.

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	4,128,263	1,584,715**	38.4
County			
Honolulu	390,976*	66,858*	17.1
Maui and Kalawao	751,623	257,914	34.3
Hawaii	2,854,320	1,106,126	42.8
Kauai	401,344	153,817	38.3

* Includes 2,560 acres of Kure Atoll, Lisianski Island etc. as listed in preceding table, except for 512 acres for Lehua and Kaula which are listed under Kauai area.

** Does not include 171,503 acres of State lands under executive order to the United States.

PUBLIC TRUST FUND CEDED LAND PROCEEDS Land Management Program

	ACTUAL 1971-1972	ESTIMATED 1972-1973
Receipts: (All Chapter 171 HRS)		
Rentals, Leased Public Lands	$2,581,812	$2,600,000
Rentals, Unleased Public Lands	620,935	620,000
Sale of Wood, rock and sand	103,391	110,000
License, Use of Government Water	252,264	275,000
License, Use of Government Land for Specific Purposes	33,857	35,000
TOTAL RECEIPTS	$3,592,259	$3,640,000
Expenditures:		
Revenue from Hawaiian Homes		
Lands & Transfers*	$ 730,799	$ —
Transfers to General Fund	2,861,460	—
TOTAL TRANSFERS	$3,592,259	$ —
*Hawaiian Home Lands Receipts:		
Loan Fund (Act 4, SLH 1965)	$ 497,119	$ —
Administration Fund	233,680	280,000
Development Fund	—	—
TOTAL	$ 730,799	$ 280,000

GENERAL FUND REVENUES Land Management Program

Title of Receipt and Legal Reference	Fee Schedule	ACTUAL 1971-1972	ESTIMATED 1972-1973
Conveyance Tax (Act 5/68)	$ .50 per 100	$ 931	$ 1,200
Unclaimed Money & Cash Overages			
Fees, Copies of Public Documents	$ .50 (page Xerox)	394	400
Fees, Issuance of Land Patents, etc.	$20.00 each	6,132	6,500
Fees, Consents to Transfers, etc.	$15.00 each	1,015	1,135
Fees, Surveying Public Lands	$25.00 each	2,475	3,000
Fees, Appraisals		—	325
Sale of Publications		132	100
Sale of Improvements on Expired or Cancelled Leases		125	—
Cost of Managing Property acquired for Highway Purposes		10,410	11,000
Indemnity for damages to insured property		33,000	—
Sale of Wood, rock and sand		9,180	12,000
Interest on Delinquent Accounts		281	250
Witness or Juror Fees		147	50
Sales of Equipment or other Property		109	—
Refund/Reimbursement of Prior Period Expenditures		2,259	15,500
Transfer Balance—Sand Island Revenues		41,408	45,000
TOTAL GENERAL FUND REVENUES		$107,998	$96,460

SPECIAL LAND AND DEVELOPMENT FUND — Land Management Program

	ACTUAL 1971-1972	ESTIMATED 1972-1973
Balance at the beginning:	$3,515,114	$3,428,849
Receipts:		
Transfers In	$ —	$ —
Interest on deferred Payments	49,331	40,000
Sale of Public Lands	814,217	750,000
Reimbursable Expenditures	7,255	2,745
Refunds and Reimbursements of prior year's Expenditures	159,533	—
Sub-totals	1,030,337	150,000
TOTAL RECEIPTS	$4,545,450	$4,371,594
Expenditures:		
Land & Interest in Land	$ —	$ —
Structures & Permanent Improvements to Land	445,676	325,000
Transfers Out:		
County of Hawaii	$ —	$ —
County of Maui	—	—
Bond Fund Repayments	495,975	5,000,000
Administrative Costs	174,950	175,000
TOTAL EXPENDITURES	$1,116,601	$1,000,000
Balance at end	$3,428,849	$3,371,594

GENERAL LEASES ISSUED—ALL ISLANDS
July 1, 1971 to June 30, 1972

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	208.350	$ 3,865.00	4
Business	5.004	20,826.20	3
Cane*	—	—	—
County	—	—	—
Eleemosynary	25.755	241.00	3
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	118.652	1,710.00	2
Pineapple	—	—	—
Recreational	—	—	—
Residential	6.566	2,820.00	2
Rights of way	—	—	—
State Agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	—	—	—
TOTALS	364.327	$29,462.20	14

GENERAL LEASES—SUMMARY, ALL LAND DISTRICTS as of June 30, 1972

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	3,678.075	$ 98,307.30	150
Business	435.060	338,179.16	73
Cane*	31,873.568	677,400.64	42
County	71.408	5.00	19
Eleemosynary	575.961	17,501.00	27
Federal	40,236.638	613.00	27
Fishpond	50.867	629.40	1
Industrial	299.897	549,799.09	94
Pasture	306,241.384	580,762.58	173
Pineapple	396.980	5,442.00	2
Recreational	24.199	1,505.00	5
Residential	139.871	20,611.50	147
Rights of way	316.794	20,454.27	99
State Agencies	13,321.050	——	1
Waste	12,583.292	**122.40	8
Water Licenses, etc.	32,212.575	230,304.00	13
TOTAL	442,479.869	$2,541,636.34	881

* Includes contributory lands
**Included in cane leases

SUMMARY OF DISPOSITIONS, ALL ISLANDS—From July 1, 1971 to June 30, 1972

Counties	Executive Orders	Sales in Fee*	General Leases**	Revocable Permits**	Grand Total
HAWAII: (1st Land District)					
Number	8	56	4	18	86
Area (Acres)	51.312	13.114	13.999	411.712	490.137
Price* or Annual Rental**	$ —	$572,556.45	$12,320.00	$1,370.25	$586,246.70
MAUI: (2nd Land District)					
Number	5	8	6	29	48
Area (Acres)	199.295	4.381	327.002	138.985	669.663
Price* or Annual Rental**	$ —	$15,651.88	$5,575.00	$3,332.82	$24,559.70
OAHU: (3rd Land District)					
Number	11	8	4	72	95
Area (Acres)	822.135	6.363	27.326	246.314	1,102.138
Price* or Annual Rental**	$ —	$77,976.00	$11,567.20	$31,183.02	$120,726.22
KAUAI: (4th Land District)					
Number	8	8	—	26	42
Area (Acres)	22.532	2.755	—	254.560	279.847
Price* or Annual Rental**	$ —	$63,976.12	$ —	$450.50	$64,426.62
GRAND TOTALS:					
Number	32	80	14	145	271
Area (Acres)	1,095.274	26.613	368.327	1,051.571	2,541.785
Price* or Annual Rental**	$ —	$730,160.45	$26,462.20	$36,336.59	$795,959.24

GENERAL LEASES ISSUED—HAWAII
July 1, 1971 to June 30, 1972

Use	Area (Acres)	Annual Report	No.
Agriculture, General	—	—	—
Business	3.433	$ 9,500.00	2
Cane*	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	—	—	—
Pineapple	—	—	—
Reacreational	—	—	—
Residential	6.566	2,820.00	2
Rights of way	—	—	—
State agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	—	—	—
TOTALS	9.999	$12,320.00	4

*Includes contributory lands

GENERAL LEASES ISSUED—MAUI
July 1, 1971 to June 30, 1972

Use	Area (Acres)	Annual Report	No.
Agriculture, General	208.350	$3,865.00	4
Business	—	—	—
Cane*	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	118.652	1,710.00	2
Pineapple	—	—	—
Reacreational	—	—	—
Residential	—	—	—
Rights of way	—	—	—
State agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	—	—	—
TOTALS	327.002	$5,575.00	6

*Includes contributory lands

GENERAL LEASES ISSUED—OAHU
July 1, 1971 to June 30, 1972

Use	Area (Acres)	Annual Report	No.
Agriculture, General	—	—	—
Business	1.571	$11,326.20	1
Cane*	—	—	—
County	—	—	—
Eleemosynary	25.755	241.00	3
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	—	—	—
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of way	—	—	—
State agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	—	—	—
TOTALS	27.326	$11,567.20	4

*Includes contributory lands

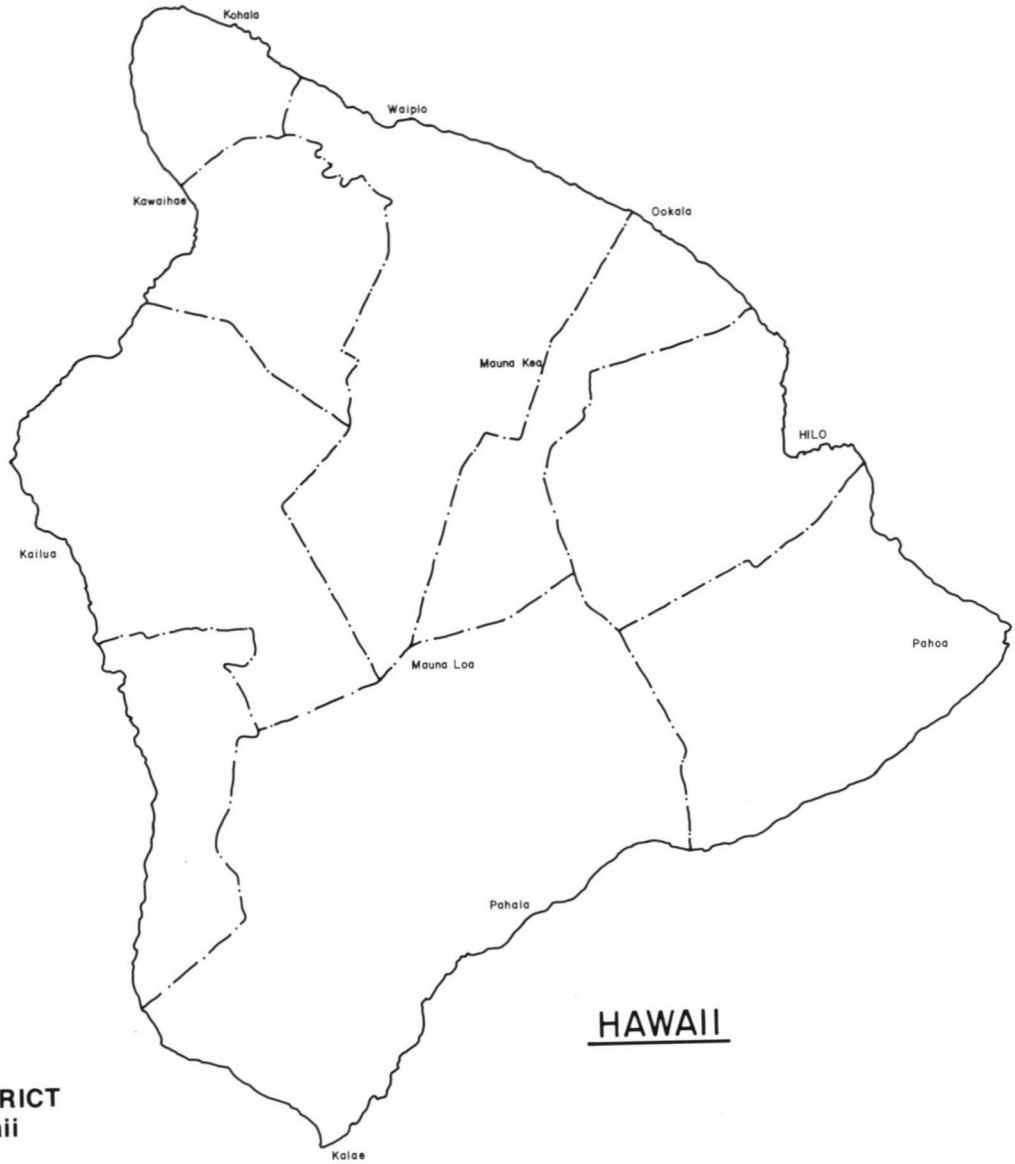
GENERAL LEASES ISSUED—KAUAI
July 1, 1971 to June 30, 1972

Use	Area (Acres)	Annual Report	No.
Agriculture, General	—	—	—
Business	—	—	—
Cane*	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	—	—	—
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of way	—	—	—
State agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	—	—	—
TOTALS	—	—	—

*Includes contributory lands

1965-1972 Conservation District Use Applications

CLASSIFICATION OF CONSERVATION DISTRICT USE APPLICATIONS																									
YEAR	1965			1966			1967			1968			1969			1970			1971			1972			
TYPES OF USES	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	APPROVED	DENIED	WITHDRAWN	PENDING
Residential																									
New Buildings	6	2		3		1	6	2		7			9	4		13		2	12	2	1	11	3	2	4
Additions & Alterations													2			2		1	6			2			2
Accessory Structures & Improvements				1												2			5			2	1		3
Agricultural																									
Commercial Crops & Grazing (Diversified)	3			3			5		1	1			1	1				1	2						2
Harvesting Operations (Silviculture)																3			3			2			
Plant Nurseries (Horticulture)	1		1												1	1									
Aquaculture													1					1							
Utilities																									
Electrical	1			1			1						1			2			10			15			4
Telephone																5		1	2						
Water Development & Facilities	1									1						1			9			10		1	2
Sewer & Drainage Systems				1			1			2			1						3			9			2
Radio & TV Installations	2									1						4		3	3			4			1
Harbor, Shoreline & Submerged Lands (including dredging, marinas, boat basins, piers, wharves, launching ramps, seawalls & groins, pipe installations)													1			5			8	1	3	14		1	4
Earthwork Activities																									
Roadways																			3			6	1		1
Excavation & Grading				2			1											1				1			
Quarry Operations				2						1										1		4			1
Recreational	1			2			2			1			1		1	4	1	1	7			8	1	1	2
Educational																									
Schools & Appurtenants																1			1					1	
Historic & Preservation Sites																									
Nursing Homes								1						1											
Resort Development & Related Uses													1	2		1	1								2
Subdivisions																						3		1	4
Miscellaneous Uses: (Seismometer, rain gauge, (temp. shelter, batching plant, (testing lab.)	1			1	1								1			1	1	2	2			4			2
TOTAL APPLICATIONS RECEIVED	19			18			20			14			29			63			86			145			
Special subzone amendments	1			2																					



FIRST LAND DISTRICT
Island of Hawaii

GENERAL LEASES—SUMMARY, FIRST LAND DISTRICT as of June 30, 1972

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	1,866.784	$ 32,994.10	31
Business	118.713	174,240.96	38
Cane*	16,698.280	144,031.43	31
County	54.602	3.00	12
Eleemosynary	274.341	3,875.00	6
Federal	24,179.574	4.00	7
Fishpond	50.867	629.40	1
Industrial	126.135	133,879.62	60
Pasture	274,385.898	508,898.05	86
Pineapple	—	—	—
Recreational	3.700	900.00	1
Residential	14.944	6,496.50	22
Rights of way	92.037	10,242.22	34
State Agencies	13,321.050	—	1
Waste	730.797	**122.40	5
Water Licenses, etc.	5,875.760	8,752.00	4
TOTAL	337,766.482	$1,025,068.68	339

* Includes contributory lands
**Included in cane leases

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
2480	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Lot 5, Ocean View Lots, South Hilo	2-1-05: 13	.720	U-bus	$ 4,234.00
2481	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	8/25/36-3/14/2015	Lot 8, Ocean View Lots, South Hilo	2-1-05: 17	.750	U-bus	4,764.00
2610	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	6/01/39-3/14/2015	Lot 7, Ocean View Lots, South Hilo	2-1-05: 16	2.950	U-bus	26,370.00
2899	James & Miulan Y. Kealoha	12/29/41-3/14/2015	Lot 17, Waiakea Warehouse Lots, Waiakea, South Hilo	2-1-06: 13 & 15	2.160	U-bus	9,578.00
2908	Matsuno F. Nakagawa	11/01/42-3/31/82	Waiakea, South Hilo	2-1-15: 01	50.867	C-fpd	629.40
L-2964	Edward C. Hustace	3/15/41-(revocable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Ooma Mauka Tract, Makaula-Haleohiu Tract, North Kona	7-3-01: 02		A-r/w	12.00
3029	Nalei Incorporated	9/13/45-3/14/2015	Lots 12 & 12A, Ocean View Lots, South Hilo	2-1-05: 22	1.190	U-bus	8,112.00
3155	Kenneth K. Bell & Clara Bell	3/15/47-3/14/2015	Lot 22, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 21	.163	U-res	155.00
3156	Tungert L. & Harvey C. Chong	11/18/46-3/14/2015	Lot 23, Ocean View Lots, Waiakea, South Hilo	2-1-07: 22	.170	U-res	186.00
3157	Robert C. McKeen	11/18/46-3/14/2015	Lot 24, Ocean View Lots, Waiakea, South Hilo	2-1-07: 23	.170	U-res	366.00
3158	Hideo Funada	11/18/46-3/14/2015	Lot 25, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 24	.170	U-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	2-1-07: 26	.173	U-res	159.00
3161	Hanna Akamu Baker, etal. c/oMarguerite B. Frazier	11/18/46-3/14/2015	Lot 28, Ocean View Lots Waiakea, South Hilo	2-1-07: 27	.180	U-res	299.00
3162	Clarence Tatsuka & Kitome Ohama	11/18/64-3/14/2015	Lot 29, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 28	.180	U-res	163.00
3163	Kaiva & Josephine Martinson Tuiasosopo	11/18/46-3/14/2015	Lot 30, Ocean View Lots, Waiakea, South Hilo	2-1-07: 29	.180	U-res	165.00
3164	Electrical Worker Local 1414 Building Trust	11/18/46-3/14/2015	Lot 31, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 30	.180	U-res	167.00
3165	Lily B. L. Y. Wong	11/16/46-3/14/2015	Lot 32, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 31	.180	U-res	169.00
3166	John W. & Adele M. Jensen	3/15/47-3/14/2015	Lot 33, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 32	.190	U-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	2-1-07: 33	.190	U-res	172.50
3168	Gaspro, Limited	9/10/47-3/14/2015	Lot 35, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 34	.190	U-res	185.00
3169	Ernest M. & Adelaide Cabrinha	9/10/47-3/14/2015	Lot 36, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 35	.190	U-res	174.00
3170	Ernest M. & Adelaide Cabrinha	9/10/47-3/14/2015	Lot 37, Ocean View Lots, 2nd Series, Waiakea, South Hilo	2-1-07: 36	.185	U-res	180.00
3202	Frank Ferreira	5/01/47-11/01/2017	Lots 134 & 135, Lehia Park Res. Lots, South Hilo	2-1-17: 65	.425	U-res	50.00
3265	Hilo Bay Hotel, Inc.	6/01/49-3/14/2015	Lot 2, Ocean View Lots, Waiakea, South Hilo	2-1-05: 32	.586	U-bus	2,981.00
3266	Hilo Bay Hotel, Inc.	8/10/49-3/14/2015	Lot 3, Ocean View Lots, Waiakea, South Hilo	2-1-05: 34	.531	U-bus	2,716.00
3267	Hilo Bay Hotel, Inc.	6/01/49-3/14/2015	Lot 4, Ocean View Lots, Waiakea, South Hilo	2-1-05: 35	.495	U-bus	3,252.00
3268	Finance Investment Co., Ltd. & Inter-Island Resorts, Ltd.	6/01/49-3/14/2015	Lot 6, Ocean View Lots, Waiakea, South Hilo	2-1-05: 32	.749	U-bus	4,894.00
3269	M & Associates, Inc.	6/01/49-3/14/2015	Lot 10, Ocean View Lots, Waiakea, South Hilo	2-1-05: 20	.920	U-bus	9,180.00
3353	Richard Smart	1/01/52-12/31/72	Honokaia, Part 1, Hamakua	4-6-11: 11	738.000	A-past	7,570.00
3354	Honokaa Sugar Co.	1/01/52-12/31/72	Gov't. Remainders of Papaki, Koloaha Au 1st, Hamakua	4-6-05: 08	31.690 17.660 49.350	A-cane A-past	779.33 125.25

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3355	Richard Smart	1/01/52-12/31/72	Kaohe, Kaohe III Sec., A-1, Hamakua	4-4-14: 03	1,202.000	A-past	7,000.00
3356	Richard Smart	1/01/52-12/31/72	Por. Land of Haleaha & Puukapu, South Kohala	6-5-01: 06 & 11	416.000	A-past	5,000.00
3357	Richard Smart	1/01/52-12/31/72	Por. HHL of Pauahi, South Kohala	6-2-01: 04	555.450	A-past	7,000.00
3358	Kahua Ranch, Ltd.	1/01/52-12/31/72	Waimea, South Kohala	6-1-01: 02 & 03	9,899.370	A-past	40,352.44
3359	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Kaohe-VI, Hamakua	4-1-06: 07	3,110.000	A-past	12,600.00
3360	C. Brewer & Co., Ltd.	1/01/52-12/31/72	Parcel 2, Kaalaala Makai, Kau	9-6-13: 02	1,777.000	A-past	400.00
3361	Richard Smart	1/01/52-12/31/72	Part 3, Por. of Gov't. Land of Hono-Kaia, Hamakua	4-6-11: 12	508.000	A-past	7,100.00
3362	Anna Ranch	1/01/52-12/31/72	Puukapu Pasture Lot No. 9, South Kohala	6-4-02: 61 & 124	333.810	A-past	3,005.88
3363	C. Brewer & Co., Ltd.	1/01/52-12/31/72	Kamaoa-Puueo Tract, Kau	9-3-01: 02	10,289.284	A-past	35,038.72
3364	Richard Smart	1/01/52-12/31/72	Gov't. Crown Land of Honokaia, Hamakua	4-6-11: 03	739.000	A-past	8,800.00
3366	Richard Smart	1/01/52-12/31/72	Puu Kawaiwai, Panoluukia, Kapia, Waimea, South Kohala	6-2-01: 15	2,977.840	A-past	16,200.00
3367	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Kaohe II, Hamakua	4-3-10: 02	7,932.360	A-past	40,700.00
3369	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Hoea & Kaao, Hamakua	4-2-08: 02	1,902.000	A-past	16,000.00
3370	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Por. of Gov't. Remainder of Niupea, Hamakua	4-1-06: 04	66.000	A-past	40.00
3371	Richard Smart	1/01/52-12/31/72	Kalopa, Hamakua	4-4-14: 02	6,080.000	A-past	42,200.00
3373	Richard Smart	1/01/52-12/31/72	Kipi-Kehene 1st, North Kohala	5-8-02: 05	107.000	A-past	300.00
3374	Richard Smart	1/01/52-12/31/72	Por. Puukapu, Lot 10, South Kohala	6-4-04: 10	2,376.320	A-past	10,500.00
3375	Richard Smart	1/01/52-12/31/72	Honokaa, Part 4, Hamakua	4-6-11: 13	489.956	A-past	8,294.52
3376	C. Brewer & Co., Ltd.	1/01/52-12/31/72	Por. Kapapala, Kau	9-8-01: 02	36,718.744 682.440 37,401.184	A-past A-cane	51,700.00 11,949.53
3377	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Parcel 1, Kaohe II, Hamakua	4-3-10: 02	7,780.000	A-past	42,000.00
3378	Richard Smart	1/01/52-12/31/72	Por. Momoualoa, Waimea, South Kohala	6-2-01: 11 & 06	391.000	A-past	7,800.00
3379	Richard Smart	1/01/52-12/31/72	Kaoniki, Kauniho, Lalamilo, Puukapu, South Kohala	3-6-05: 01, 10 & 20	332.307	A-past	7,581.50
3380	Richard Smart	1/01/52-12/31/72	Honokaia, Part 5, Hamakua	4-6-11: 04	768.477	A-past	12,200.00
3381	Richard Smart	1/01/52-12/31/72	Lalamilo, Waimea, South Kohala	6-6-03: Por. 03	1.961	A-past	45.32
3382	Kukaiau Ranch Co., Ltd.	1/01/52-12/31/72	Por. Remainder Manowai-alee, Hamakua	4-1-06: 02	162.000	A-past	1,000.00
3414	Robert M. & Emma L. Yamada	4/07/52-4/06/73	Lots 10,11-A, 11-B, Kaimu-Makena Homesteads, Puna	1-2-06: 07	177.550	A-agr	50.00
3420	Richard & Juliette S. Furtado	6/01/52-5/31/73	Kilauea & Piopio St., South Hilo	2-2-29: 08	.243	U-bus	125.00
3424	H. Harada Contractor, Inc.	6/01/52-5/31/73	Lot 6 & 8, Blk. 40, Waiakea Hse. Lots, 1st Series, South Hilo	2-2-37: 98	1.019	U-ind	250.00
3425	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	6/01/52-5/31/73	Lot 14, Blk. 48, Waiakea Hse. Lots, South Hilo	2-2-58: 13	.602	U-ind	300.00
3426	Chieno, Masaru & Chitoshi Doi	6/01/52-5/30/73	Kawaihae 1, Kawaihae Village, South Kohala	6-1-03: 03	.572	U-res	200.00
3428	Maurice & Molly D. Zimring	6/01/52-5/30/73	Lot 11, Keaukaha Seaside Lots, Waiakea, South Hilo	2-1-14: 22	.270	U-res	230.00
3431	Richard Smart	10/01/52-9/30/73	Kaohe III, Section B, Hamakua	4-4-15: 02	1,762.936	A-past	600.00
3432	Palani Ranch Co., Inc.	10/01/52-9/30/73	Lots 1 to 20, Kealakehe Homesteads, 2nd Series, North Kona	7-4-08: 03	687.560	A-past	773.58
3433	Dillingham Investment Corp.	4/08/53-4/07/74	Honomalino-Hoopuloa, Mauka Tract, South Kona	8-9-01: 02	2,717.924	A-past	1,000.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3434	Richard Smart	12/20/52-12/19/73	Keanuiomano, Puuiki & Waikoloa Iki, Waimea, South Kohala	6-5-01: 20	420.930	A-past	2,119.65
3435	Honomalino Agricultural Co., Inc.	7/03/52-7/02/73	Kaulanamauna, South Kona	8-9-06: 15	2,095.538	A-past	425.00
3436	Richard Smart	10/01/52-9/30/73	Kaohe III, Section A-2, Hamakua	4-4-14: 04	101.400	A-past	85.00
L-3437	Hawaiian Trust	7/03/52-7/02/73	Parcels 1 & 2, Lalamilo, South Kohala	6-6-01	.082	A-r/w	12.00
3438	Richard Smart	7/01/53-6/30/74	Parcel 1, Por. Humuula (Keanakolu Paddocks), North Hilo	3-8-01: 09	5,290.000	A-past	16,000.00
3439	Richard Smart	7/01/53-6/30/74	Parcel 2, Por. Humuula (Hopuwai Paddock) North Hilo	3-8-01: 02	7,512.800	A-past	14,000.00
3440	Richard Smart	7/01/53-6/30/74	Parcel 3, Por. Humuula, Kaohe (Kole & Laumaia Paddocks), North Hilo	3-8-01: 07	20,377.317	A-past	18,000.00
3441	Richard H. Jose	7/01/53-6/30/74	Laupahoehoe Mauka, North Hilo	3-6-06: 46	110.000	A-past	915.00
3442	C. Brewer & Co., Ltd.	7/01/53-6/30/74	Parcels A & B, Ninole Gov't. Fish Pond, Kau	9-5-19: 01	332.559	A-past	520.00
3443	C. Brewer & Co., Ltd.	7/01/53-6/30/74	Parcels 1 & 2, Kaunamano Homesteads, Kau	9-5-12: 02 & 18	477.160	A-past	930.00
3444	C. Brewer & Co., Ltd.	7/01/53-6/30/74	Wailau Gov't Remainder, Kau	9-5-19: 16, 17 & 27	345.800	A-past	235.00
3445	Laupahoehoe Sugar Company	12/29/52-12/28/73	Laupahoehoe, North Hilo	3-6-01: 56	11.790	A-past	205.00
3446	Joaquin Ramos	7/01/53-6/30/74	Lots 92, 93 & 94, Olaa New Tract Lots, Puna	1-8-11: 26	150.000	A-past	50.00
3449	C. Brewer & Co., Ltd.	12/29/52-12/28/73	Parts 1 & 2, Por. Moaula-Kopu-Makaka, Makai, Kau	9-6-02	2,376.850	A-past	1,025.00
3453	Laupahoehoe Sugar Company	10/01/53-9/30/74	Papaaloa, Manowaiopae & Kihalani Homestead Tracts, Por. Laupahoehoe, North Hilo	3-6-03		A-r/w	12.00
(D) 3454	Hilo Electric Light Co., Ltd.	10/01/53-9/30/74	Honokaia, Kapolena, Kamoku & Puukapu, Waimea, South Kohala	4-6-11 4-7-07	32.810	A-r/w	100.00
3455	Kohala Sugar Company	10/01/53-9/30/74	Kahei Mauka, Section A, Kahei Makai, Section B, Hualua Middle Section B, Haulua Makai, Section B, & Awalua Haena, North Kohala	5-5-11:01 & 47	24.520	A-r/w	72.12
(D) 3456	Hilo Electric Light Co., Ltd.	10/01/53-9/30/74	Waiakea, South Hilo	2-4-08	.085	U-r/w	12.00
3457	Standard Oil Co. of California	10/01/53-9/30/74	Waiakea-Kai, South Hilo	2-1-07	.209	U-r/w	12.00
3472	Honokaa Sugar Co.	4/09/54-4/08/75	Keaa-Mauka Tract, Hamakua	4-8-02 4-8-03	53.700	A-past	389.20
3473	Joseph L. Ventura	1/01/55-12/31/75	Parcel A, Piihonua, South Hilo	2-5-09: 02 & 04	195.050	A-past	200.00
3475	George R. & Clifford A. Freitas	1/01/55-12/31/75	Por. Lot 22-D-1, Pohakuloa Tract, North Kohala	5-8-03: 07	83.210	A-past	1,400.00
3480	Laupahoehoe Sugar Co.	4/09/54-4/08/75	Por. Pali & Gulch, Papaaloa Homesteads, North Hilo	3-5-02: 06	6.000	A-wtr	31.00
3481	The Flintkote Co.	6/01/54-5/31/75	Waiakea Fish Pond, South Hilo	2-2-31	24.610	C-wtr	1.00
3482	Clarence J. Branco	4/09/54-4/08/75	Lots 812-A, 912-A & 913, Waiakea Homesteads, 2nd Series, South Hilo	2-4-05: 01	92.681	A-past	1,081.62
3483	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	6/01/54-5/31/75	Lot 15, Corner of Kamehameha Ave. & Kalanikoa St., Waiakea, South Hilo	2-2-58: 12	.602	U-ind	300.00
3506	Charles L. Murray	9/10/54-9/09/75	Lot A, Corner of Kamehameha Ave. & Kalanikoa St., Waiakea, South Hilo	2-2-32: Por. 19	.471	U-bus	838.00
3507	Anthony M. Phillips, dba Phillips U-Drive	11/10/54-11/09/75	Lot B, Kamehameha Ave. betwn. Kalanikoa & Kanoelehua St., Waiakea, South Hilo	2-2-32: 19	.339	U-bus	400.00
3508	Anna L. Perry-Fiske	11/10/54-11/09/75	Lot 11, Lalamilo House Lots, 3rd Series, South Kohala	6-5-01: 32	.279	A-past	12.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3509	William K. Thompson	11/10/54-11/09/75	Por. Pahoehoe 1-4, Mauna-oui, Haleili, Haukalua 1-2, Alae 1-2, Pahoehoe 1, South Kona	8-7-01	1,067.500	A-past	150.00
3521	Shell Oil Co., Union Oil Co. of California & Phillips Petroleum Co.	6/07/55-6/06/76	Waiakea-Kai, Hilo	2-1-07	.116	U-r/w	12.00
3530	Oda Orchids, Inc.	11/08/55-11/07/76	Waiakea, South Hilo	2-2-32: 82	2.532	A-agr	120.00
3532	Benso Yamanouchi	11/08/55-11/07/76	Lot 12, Kaumana House Lots, South Hilo	2-5-05: 74	.160	U-agr	12.00
3533	Honolulu Roofing Co., Ltd.	11/08/55-11/07/76	Lot 9, Keaukaha Seaside Lots, Waiakea, South Hilo	2-1-14: 19	.420	U-res	180.00
3534	Thomas R. Araujo	11/08/55-11/07/76	Piihonua, South Hilo	2-3-25: 47	2.670	U-past	24.00
3566	C. Brewer & Co., Ltd.	10/25/56-10/24/77	Por. Section "A" Kaalaala-Makakupu	9-6-11: 02, 03, 04, 05 & 12	67.550 .480 1,354.170 1,422.200	A-cane A-ws A-past	680.00 300.00 980.00
3567	E. L. Wung's Ranch, Ltd.	10/25/66-10/24/77	Lots 338 & 339 Olaa Reservation Lots, Puna	1-8-11: 12	100.000	A-past	100.00
3569	Oda Orchids, Inc.	10/25/56-10/24/77	Lots 2, 4, 6, 8, 10 & 12 Blk 30, Waiakea House Lots, 1st Series, South Hilo	2-2-37: 41 & 46	3.100	U-agr	100.00
3570	Kohala Sugar Co.	10/01/57-9/30/72	Opihipau-Hukiaa, Kalei & Hualua	5-5-03 5-5-06 5-5-07 5-6-01	1,100.110 132.506 11.000 62.025 1,305.141	A-cane A-con A-past A-ws	8,386.14 1,010.09 55.00 62.03 9,513.26
3573	Hawaii Broadcasting System, Ltd.	11/08/58-11/07/79	Humuula, North Hilo	3-8-01: 11	2.038	U-bus	100.00
3574	James W. Glover, Ltd.,	8/11/59-8/10/80	Waiakea, South Hilo	2-1-12: 04, 06 10 & 18, Por. 05 & 07	74.314	U-ind	2,594.62
3575	Honpa Hongwanji Mission of Hawaii	8/11/58-8/10/79	Lots 7 & 8, Waiakea Cane Lots, South Hilo	2-4-01: 15 & Por. 96	38.580	A-past	139.86
3576	Union Oil Co., of California	9/10/58-9/09/79	Waiakea, South Hilo	2-1-07: Por. 15 & 19	.125	U-r/w	120.00
S-3583	Robert M. Yamada	11/05/59-11/04/2004	Lots 4, 6, 7, 8, Blk. 39, Lots 5 & 7, Blk. 40, Waiakea Lots, South Hilo	2-2-37	2.566	U-bus	900.00
S-3584	Pepeekeo Sugar Co.	2/01/60-12/31/89	Kamaee-Wailua & Puuoha, North Hilo	3-1-04: 01 & 02	548.750	A-cane	3,010.37
S-3585	Pepeekeo Sugar Co.	2/01/60-12/31/89	Honomu-Hukua, Kaakepa & Kaupakuea, South Hilo	2-8-11	907.934	A-cane	6,975.10
S-3586	Mauna Kea Sugar Co., Inc.	2/01/60-12/31/89	Kawainui, South Hilo	2-7-07: 05	191.000	A-cane	1,403.05
S-3587	Paauhau Sugar Co., Ltd.	2/01/60-12/31/89	Kaunamano, Hamakua	4-4-01: 01	32.100	A-cane	210.00
S-3589	Dillingham Investment Corp.	8/15/60-8/14/2000	Puuwaawaa, North Kona	7-1-01 7-1-02 7-1-03 7-1-04 7-1-05	105,796.580	A-past	30,000.00
S-3590	Texaco, Inc.	3/01/60-2/28/85	Waiakea, South Hilo	2-1-09: 42	2.660	U-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, South Hilo	2-2-49: 17	.354	U-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	.778	U-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: 12	.376	U-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	.223	U-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	.258	U-ind	440.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
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: 11	.381	U-ind	605.00
S-3597	William Aiona, Jr., dba Family Liquor Store	1/16/61-1/15/2016	Lot C-1, Kamehemeha Business Lots, Waiakea, South Hilo	2-2-32: 64	.338	U-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	.258	U-ind	440.00
S-3599	Kaneko Jelly, Ltd.	1/16/61-1/15/2016	Lot 22, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 90	.775	U-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	.344	U-ind	585.00
S-3601	Allan D. Starr	1/16/61-1/15/2016	Lot 33, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 07	.775	U-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: 14	.364	U-ind	570.00
S-3603	Harders Co., Ltd.	1/16/61-1/15/2016	Lot 41, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 16	.293	U-ind	460.00
S-3604	Walter Kiyoshi Hamai, dba W. K. Hamai Repair Shop	1/16/61-1/15/2016	Lot 46, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 02	.344	U-ind	440.00
S-3606	Hilo Kala, Inc.	1/16/61-1/15/2016	Lot 28, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 96	.344	U-ind	575.00
S-3609	Hawaii Transportation Co., Ltd.	1/16/61-1/15/2016	Parcel II, Waiakea Business & Industrial Lots, South Hilo	2-2-32: 71	2.363	U-ind	3,085.00
S-3611	Hawaii Planing Mill, Ltd.	1/16/61-1/15/2016	Parcel IV, Waiakea Business & Industrial Lots, South Hilo	2-2-32: 21	2.334	U-ind	3,660.00
S-3612	Hamakua Mill Co.	2/01/61-1/31/91	Hoea-Kaao, Makai Tract, Hamakua	4-2-01 4-2-07	1,078.130	A-cane	7,077.76
S-3613	Laupahoehoe Sugar Co.	2/01/61-1/31/91	Humuula & Kahoahuna, North Hilo	3-9-01 3-9-02	1,176.073	A-cane	7,444.58
S-3614	Laupahoehoe Sugar Co.	2/01/61-1/31/91	Niupea-Kealakaha, Kaala Tract	4-1-01 4-1-02 4-1-03 4-1-04	655.598	A-cane	4,464.29
S-3615	Laupahoehoe Sugar Co.	2/01/61-1/31/91	Ookala-Manowaialee, North Hilo & Hamakua	3-9-01 3-9-02	1,368.443	A-cane	9,781.49
S-3616	Laupahoehoe Sugar Co.	2/01/61-1/31/91	Kaiaakea Makai Remainder, North Hilo	3-4-03	80.083	A-cane	580.99
S-3617	Honokaa Sugar Co.	2/01/61-1/31/91	Kaao-Paalaea Tract, Hamakua	4-5-01	434.743	A-cane	3,075.88
S-3618	Body and Fender Repair, Inc.	2/06/61-2/05/2016	Lot 34, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 09	.775	U-ind	1,015.00
S-3619	Mauna Kea Electric, Inc.	2/06/61-2/05/2016	Lot 39, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 39	.320	U-ind	510.00
S-3620	Shoichi Muramoto, dba Mura's Repair Shop	2/06/61-2/05/2016	Lot 44, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 04	.604	U-ind	1,165.00
S-3621	Seair Corp.	2/24/61-2/23/2016	Lot 32, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-49: 06	.895	U-ind	1,170.00
S-3622	Satoru Amano dba Amano Fish Cake Factory	3/20/61-3/19/2016	Lot 27, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 95	.320	U-ind	545.00
S-3624	Hawaiian Equipment Co., Ltd.	3/06/61-3/05/2016	Por. Waiakea, South Hilo	2-1-12: 26	4.499	U-ind	5,880.00
S-3631	A & A Hawaii, Inc.	3/20/61-3/19/2016	Lot 11, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 79	.241	U-ind	410.00
S-3632	Hilo Draying Co., Ltd.	3/20/61-3/19/2016	Lot 3, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 74	1.564	U-ind	2,000.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3653	Heiji Muneno dba Cabby's Union Service	3/20/61-3/19/2016	Lot 13, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 81	.256	U-ind	540.00
S-3654	Kohala Sugar Co.	11/08/61-11/07/91	Por. bottom of Pololu Valley, North Kohala	5-1-06	141.000	A-cane	325.00
S-3656	Richard Smart	8/11/61-8/10/81	Por. Puukole-Koaeae Mauka Tract, North Kohala	5-7-01	168.590	A-past	2,550.00
S-3657	Richard Smart	8/11/61-8/10/81	Pohakuloa Mauka Tract, Pohakuloa & Kalaha 1st, North Kohala	5-8-02: 03	191.350	A-past	750.00
S-3658	Richard Smart	8/11/61-8/10/81	Por. Kapaa Makai Lots, North Kohala	5-6-01	53.553	A-past	83.68
S-3659	Arthur Botelho	8/11/61-8/10/81	Por. Kilau Gulch, Manowaiopae Homesteads, North Hilo	3-6-01: 03	27.300	A-past	61.00
S-3660	Katsumi Sakai dba K. Sakai Painting	3/20/61-3/19/2016	Lot 9, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 77	.276	U-ind	468.00
S-3662	Mauna Kea Sugar Co., Ltd.	8/16/61-8/15/91	Piihonua, South Hilo	2-3-28	1,195.640	A-cane	10,760.76
				2-3-29	162.970	A-con	162.97
				2-3-31	14.330	A-past	35.83
				2-3-32	603.680	A-ws	60.37
				2-5-09 2-5-10 2-6-09	1,976.620		11,019.93
S-3669	Seven Seas, Inc.	3/20/61-3/19/2016	Lot C, Hoolulu Business Lots, Waiakea, South Hilo	2-2-33: 18	.689	U-bus	1,110.00
S-3670	Machida, Inc.	3/20/61-3/19/2016	Lot 30, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 98	.345	U-ind	585.00
S-3688	Richard S. Miyashiro dba Cafe 100	3/20/61-1/14/2017	Por. Waiakea, South Hilo	2-2-29: 23	.574	U-bus	1,800.00
(D) S-3696	Hawaiian Telephone Co.	1/26/62-1/25/83	Puumaile Home Site, Waiuli, Waiakea, South Hilo	2-1-13: 08	1.069	U-r/w	30.00
(D) S-3697	Hawaiian Telephone Co.	1/26/62-1/25/83	Humuula, North Hilo	3-8-01	10.558	A-r/w	20.00
S-3698	Bank of Hawaii	1/26/62-1/25/2017	Lot 7, Resubdivision Blk. 47, Waiakea, South Hilo	2-2-49: 22	.687	U-bus	2,064.00
S-3716	Masaru Shindo, dba Hilo Soda Works	10/29/62-10/28/2017	Lot 1-A, Kanoelehua Industrial Lots, South Hilo	2-2-50: 15	.556	U-bus	851.40
S-3718	Hilo Auto Electric & Carburetor Service	6/28/63-6/27/2018	Lot 12, Kanoelehua Industrial Lots, Waiakea, South Hilo	2-2-50: 80	.258	U-bus	587.00
S-3719	Hawaii Planters, Inc.	1/28/63-1/27/83	Hulunanai, Kaunaloa & Ki, Puna (Parts A & B)	1-2-02: 06 & 07	648.620	A-past	150.00
S-3720	Carl Meyer	1/28/63-1/27/83	Lots 374, 381 & Por. Lots 373, 379, 380, 382, Olaa Reservation Lots, Puna	1-8-10	227.730	A-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: 07	1.740	A-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: 112	1.000	A-Ele	780.00
S-3723	S. K. Oda, Limited	11/30/62-11/29/2017	Por. Waiakea (West Kalanikoa St. betwn. Kuawa & Kawelolani Sts.,) South Hilo	2-2-32: 11	1.934	U-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: 78	.241	U-ind	572.00
(D) S-3731	County of Hawaii, Board of Water Supply	7/01/64-6/30/2029	Mountain View Water System, Land Site No. 1, Puna	1-8-08	.181	C-cty	Gratis
(D) S-3732	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Kaumana (Kaumana Cave), Hilo	2-5-06: 03 & 04		A-cty	Gratis
(D) S-3738	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Pahoa (Pahoa Cave), Puna	1-5-08: 01 1-5-09: 09 1-5-10: 03	.040	A-cty	Gratis
(D) S-3739	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63-3/28/2013	Malana (Mackenzie Cave), Puna	1-3-07: 06		C-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 Industrial Lots, South Hilo	2-2-58: 14	2.165	U-ind	4,452.00

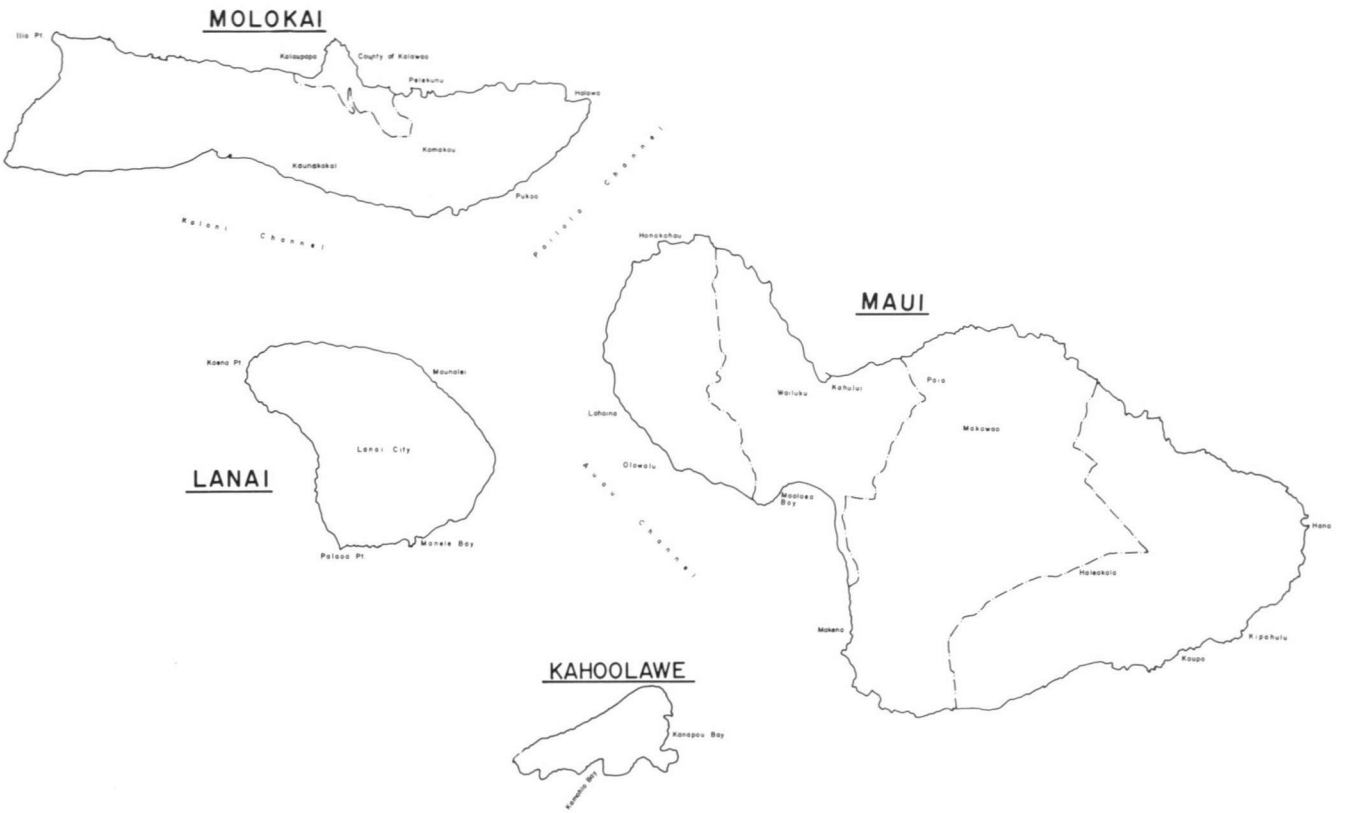
Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-3744	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Puuanahulu Cave, North Kona	7-1-03: Por. 01		C-cty	Gratis
(D) S-3745	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63-4/25/2013	Pigeon Cave, Puuanahulu	7-1-04: Por. 01		C-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: 76	.272	U-bus	622.00
(D) S-3751	County of Hawaii, Hilo Hospital Complex & Allied Facilities	6/07/63-6/06/2028	Piihonua, South Hilo	2-3-27	20.401	U-cty	1.00
(D) S-3752	United States of America (U. S. Navy)	12/16/63-12/15/2028	Kamaoa, Kau	9-3-01	21.296	A-fed	1.00
(D) S-3834	County of Hawaii, Board of Water Supply	4/24/64-4/23/2029	Under & across Por. Hamakua Water Reserve, Ahualoa-Kaapahu-Pohakea Water System, Hamakua	4-5-11: 01	.643	C-cty	1.00
S-3836	Oda Orchids, Inc.	6/16/64-6/15/2019	Waiakea, North corner of Kilauea St. & Volcano Rd., South Hilo	2-2-48: 01	7.855	U-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: 04	10.000	U-bus	438.00
(D) S-3839	United States of America (Army)	4/10/64-4/09/74	Tract A, Hilo Breakwater Project, South Hilo		2.600	C-fed	1.00
(D) S-3844	University of Hawaii	7/24/64-7/23/2029	Hamakua experiment farm, Kaohe	4-3-10	185.000	A-agr	Gratis
(D) S-3849	United States of America (Army)	8/17/64-8/16/2029	Pohakuloa Training Area	3-8-01: 13	22,971.000	C-fed	1.00
(D) S-3853	United States of America (Army)	8/21/64-8/20/2029	Pohakuloa water license easements	4-4-16: Por. 01	5.510	C-fed	1.00
(D) S-3855	County of Hawaii	10/11/63-10/10/2028	Kukuau 2nd & Waiakea, South Hilo	2-2-06 2-2-11 2-2-12 2-2-31 2-2-32 2-2-48	2.092	U-cty	Gratis
(D) S-3865	County of Hawaii, Board of Water Supply	8/28/64-8/27/2029	Utility easements at Panaewa, South Hilo		.182	U-cty	1.00
S-3867	Manuel Souza	10/28/64-10/27/84	Lot 1-A, Paauilo-Pohakea Reserve Lots	4-3-15: 01	4.450	A-past	45.00
S-3868	Kahua Ranch, Ltd.	10/28/64-10/27/84	Makiloa Gov't. Tract, North Kohala	5-9-02: 06	138.000	A-past	605.00
S-3869	Koei Ishimine	12/26/64-12/25/84	Lot 8, Puuepa-Kokoiki Homesteads, North Kohala	6-5-04: 05	7.980	A-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: 04, 06 & 07	21.180	A-agr	180.00
S-3872	Waimanu, Inc.	1/23/65-1/22/95	North Kohala	5-2-08: Por. 03	3.700	U-rec	900.00
S-3875	Feed-Well, Inc.	8/12/66-8/11/2021	Kahema Street, Hilo	2-2-50: 93	.689	U-ind	1,800.00
S-3886	Palekoki Ranch, Inc.	1/20/65-1/19/85	Por. Lalamilo, Ouli & Waiaka I, Waimea, South Kohala	6-6-01	9,154.000	A-past	3,900.00
(D) S-3887	Hilo Electric Light Co., Ltd.	1/20/65-1/19/95	Por. H.H.L., Humuula, North Hilo	3-8-01	6.583	C-r/w	180.00
(D) S-3888	Hawaiian Telephone Co.	1/20/65-1/19/2030	Lots 15 & 16, Blk. 39, Waiakea House Lots, South Hilo	2-2-37: 63	.896	U-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: 28	2.319	U-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	6.410	A-agr	96.00
(D) S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea, South Hilo	2-2-48	.204	U-cty	Gratis
(D) S-3925	Hilo Electric Light Co., Ltd.	8/27/65-8/26/2030	Lot 16, Kanoelehua Industrial Lots, South Hilo	2-2-58	4.000	U-r/w	7,566.00
(D) S-3927	Hilo Electric Light Co., Ltd.	9/24/65-9/23/95	Por. Kaohe, Hamakua	4-4-16	.881	U-bus	120.00
S-3930	William Thompson	10/18/65-10/17/85	Por. Kaohe, Hamakua	8-2-07 8-2-08	12.911	A-past	75.00
S-3931	Rudy Hireta	10/18/65-10/17/85	Lot 1317, Waiakea Homesteads, 3rd Series, South Hilo	2-4-06: 13	65.550	A-past	195.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3932	Paauhau Sugar Co.	10/18/65-10/17/85	Por. Kalopa Homesteads, Hamakua	4-4-03: 25	.730	A-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	U-ele	334.00
S-3934	Hubert M. Spivey	10/18/65-10/17/85	Por. Waiakea Pasture lands	2-4-04: 12 & 13 Por. 21 & 22	118.924	A-past	360.00
S-3935	Roy S. & Martha S. Nagakura	10/18/65-10/17/2020	Lot 13, Waiakea House Lots, 1st Series, South Hilo	2-2-37: 66	.304	U-bus	420.00
S-3968	Frank De Luz, Jr. & Virginia De Luz	11/08/65-11/07/85	Por. Kapualei Gov't. Remainder, Hamakua	4-3-06 4-3-14: 01	33.620	A-past	685.00
S-3948	Hamakua Mill Co.	12/20/65-12/19/90	Por. Hauola, Hamakua	4-3-03	160.020	A-cane	2,330.00
S-3949	Hawaiian Greenhouse, Inc.	12/20/65-12/19/2000	Keonepoko Homesteads, Pahoa	1-5-07: 17	19.401	A-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	41.200	A-past	180.00
S-3954	Tokio Miyashiro	11/24/65-11/23/2020	Lot 16, Panaewa Farm Lots, 2nd Series, South Hilo	2-4-49: 30	10.097	A-agr	485.00
S-3961	Melsan, Ltd.	4/15/66-4/14/2031	Por. Waiakea Peninsula, South Hilo	2-1-03 2-1-04 2-1-05	5.000	U-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: 03 & 05	14.190	A-agr	165.00
(D) S-3966	Transportation Dept., U. S. Coast Guard	4/15/66-4/14/2031	Hoopuloa, South Kona	8-9-04	1.190	C-fed	Gratis
S-3999	Divaco Cooperative	8/16/66-8/15/2021	Lots 8 & 9, Hilo Industrial Development, Pohaku St. Section, Waiakea, South Hilo	2-2-58: 29 & 30	.918	U-ind	2,184.00
S-4000	Kohala Sugar Co.	8/19/66-8/18/2031	Puuepa 2 & Kokoiki, North Kohala	5-5-05: 01	.192	A-r/w	10.00
S-4001	W. H. Greenwell, Ltd.	8/16/66-8/15/91	Onouli 2nd Gov't. Tract, South Kona	8-1-06	423.000	A-past	625.00
S-4002	Hamakua Mill Co.	8/16/66-8/15/91	Parcel A, Pohakuhaku-Kamau Gov't. Rem.; Parcels B, C, D, E & F, Opihilala-Kapualei Gov't. Rem; Gov't. Remainder Kemau II Nakai Tract; Kaohe Gov't. Remainder Kaohe I; Lot 21-A, Pohakea Homestead, Makai Section, Opihilala & Paauilo, Hamakua	4-3-04 4-3-05 4-3-06 4-3-07 4-3-08 4-3-09 4-3-11	170.870 50.132 221.002	A-cane A-ws	3,080.00
S-4004	Christ Lutheran Church	8/16/66-8/15/2031	Por. Waiakea, South Hilo	2-4-01: 120	3.101	U-ele	1,214.00
S-4005	John J. Andrade & Josephine Andrade	8/16/66-8/15/91	Lot 11, Ahualoa Reserve Remnants, Ahualoa Homesteads	4-5-11: 06	13.496	A-past	91.00
S-4006	Merrill & Mary Jane Toledo	8/16/66-8/15/86	Por. Waipio Valley, Hamakua	4-9-11: 02	11.600	A-agr	200.00
(D) S-4012	United States of America	1/03/66-1/02/2013	Upper Waiakea, South Hilo, & Olaa, Puna	1-8-12 2-4-08	1,144.920	C-fed	Gratis
S-4018	First United Protestant Church of Hilo	10/06/66-10/05/2031	Lot 1, Por. Piihonua, South Hilo	2-3-27	3.572	U-ele	1,396.00
S-4019	Seven Seas, Inc.	10/06/66-3/19/2016	Lots A & B, Hoolulu Business Lots, Waiakea, South Hilo	2-2-33	1.184	U-bus	2,602.00
(D) S-4020	United States of America (Army)	8/16/66-8/15/71	Makuu, Puna,	1-5-10	33.058	A-fed	Gratis
S-4024	George Freitas Dairy, Inc.	11/29/66-11/28/91	Puuepa 2-Kokoiki Tract, North Kohala	5-5-05	74.340	A-past	1,200.00
S-4025	Palani Ranch Co., Inc.	11/29/66-11/28/91	Honuaula Tract No. 2, Honuaula, North Kona	7-4-01: 03	1,608.500	A-past	2,800.00
S-4026	Haunani Enterprise Corp.	11/29/66-11/28/2001	Lot 17, Panaewa Farm Lots, 2nd Series, Waiakea, South Hilo	2-4-49: 01	10.579	A-agr	510.00
(D) S-4029	County of Hawaii	4/13/67-4/12/2032	Kealakehe, North Kona	7-4-08: 16	30.319	C-cty	Gratis
S-4097	Shell Oil Company	3/31/67-3/30/2032	Por. Waiakea, South Hilo	2-1-09: 07 & 31	.130	U-r/w	267.00
S-4098	Yoshito Iwamoto	3/31/67-3/30/2032	Por. Waiohinu Gov't. Remnants, Kau	9-5-02: 40	.437	U-r/w	10.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4099	Richard Smart	3/31/67-3/30/2032	Across Por. of Kamuela Airport	6-7-01	.006	U-r/w	1.00
S-4102	Kilauea Council, Boy Scouts of America	4/15/66-4/14/2021	Honokaia, Hamakua	4-6-11: 40	238.000	C-ele	150.00
S-4105	James H. & Mabel M. Davis	9/06/67-9/05/2032	Puukapu, Waimea	6-4-01	.005	A-r/w	5.00
S-4107	Honokaa Sugar Co.	9/06/67-9/05/92	Lauka-Kulihai, Hamakua	4-6-01	117.980	A-cane	1,020.00
S-4108	Honokaa Sugar Co.	9/06/67-9/05/92	Hanapai, Hamakua	4-7-04	43.550	A-cane	451.10
S-4109	Honokaa Sugar Co.	9/06/67-9/05/92	Hamakua	4-6-02	160.870	A-cane	1,861.00
(D) S-4130	Hawaiian Telephone Co.	1/01/68-12/31/2023	North Hilo	3-9-02	1.047	U-ind	36.00
S-4137	Frank L. Moniz, III	1/12/68-1/11/88	Kaauhuhu, North Kohala	5-5-01: 15	5.640	A-agr	100.00
S-4138	Hale Nui Flowers, Inc.	1/12/68-1/11/2023	Waiakea, South Hilo	2-4-49: 25	10.008	A-agr	552.00
(D) S-4139	Honolulu Gas Co., Ltd.	4/14/67-4/13/97	Hilo	2-2-27	.230	U-ind	510.00
S-4141	Signal Properties, Inc.	2/23/68-2/22/93	South Kohala	6-9-01	775.083	A-agr	10,000.00
(D) S-4191	University of Hawaii	1/01/68-12/31/2033	Kaohe, Hamakua	4-4-15: 09	13,321.050	C-state	Gratis
(D) S-4196	University of Hawaii	4/26/68-4/25/2033	South Kohala	6-4-03	196.414	A-agr	1.00
S-4201	Norona, Inc.	9/26/68-9/25/2023	Waiakea, South Hilo	2-2-58: 33	.474	U-ind	1,600.00
S-4202	Hiroshi Matsuyama	9/26/68-9/25/93	Keopu No. 2, North Kona	7-5-01: 22	17.490	A-past	60.00
S-4203	Richard Smart	1/01/68-12/31/2033	South Kohala	6-3-Por. 2, 4, & 6	.150	C-wtr	720.00
S-4204	Masaru Akahoshi	9/26/68-9/25/78	South Kohala	6-2-01: 15	.149	U-r/w	90.00
S-4205	Shinobu Oshima	9/26/68-9/25/2023	Waiakea, South Hilo	2-4-08	60.000	A-agr	3,312.00
S-4206	Sun Sun Lau	9/26/68-9/25/2033	Waiakea, South Hilo	2-2-18	.059	U-r/w	24.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68-2/28/2021	North Kona	7-5-09: 64	.013	U-r/w	867.00
S-4224	Richard Smart	2/07/69-2/06/94	North Kohala	5-8-02	23.800	A-past	96.00
S-4225	Mitsuo & Yaeko Kitagawa	2/07/69-2/06/2024	Waiakea, South Hilo	2-4-49: 11	10.021	A-agr	576.00
S-4226	Joseph Chang, Sr.	2/07/69-2/06/89	Kokoiki, North Kohala	5-5-04: 51 & 52	4.934	A-agr	45.00
S-4227	Island Holidays, Ltd.	2/07/69-2/06/2034	Kahaluu, North Kona	7-8-13	.128	U-r/w	128.25
(D) S-4234	University of Hawaii	12/15/67-12/14/2032	Olaa, Puna	2-4-08: 21	.014	C-r/w	Gratis
(D) S-4235	University of Hawaii	4/11/69-4/10/2034	Humuula, North Hilo	3-8-01	.057	C-r/w	Gratis
S-4237	C. Brewer & Co., Ltd.	4/15/69-4/14/84	Kaalualu, Kiolakaa, Kau	9-4-01: 15 & 16	9.579	A-agr	11,100.00
S-4238	Yeishun & Akiko Gusukuma	6/12/69-6/11/89	Piha, North Hilo	3-2-02: 29	2.190	A-agr	180.00
S-4239	Palani Ranch Co., Inc.	4/15/69-4/14/94	Kealakehe, North Kona	7-4-02: 07	1,232.000	A-past	2,500.00
S-4246	Sim Wenner & Kathryn Armstrong	8/09/69-8/08/94	Moeauoa I Gov't. Remainder, North Kona	7-5-01: 19	6.890	A-past	55.00
S-4247	Kahua Ranch, Ltd.	7/11/69-7/10/94	Pahinahina-Kiiokalani Tract, Section 1, North Kohala	5-9-01: Por. 04 5-9-03: Por. 01 & 02 5-9-04: 08 & Por. 01, 07 & 11	5,865.000	A-past	3,930.00
S-4248	Margaret Cobey Black	7/11/69-7/10/99-	Kokoiki, North Kohala	5-5-05: 19	.652	A-r/w	60.00
S-4249	Bank of Hawaii	7/11/69-7/10/2034	Honuaula, North Kona	7-5-07: Por. 58	.047	U-r/w	11.18
S-4251	Woodrow Miller	9/12/69-9/11/94	Lot 14, Puuanahulu Homestead, North Kona	7-1-05: 05	8.199	A-agr	620.00
S-4252	Hilo Bay Hotel, Inc.	8/14/69-3/14/2015	Lot B, Banyan Dr., Waiakea Penninsula, Hilo	2-1-05	.215	U-bus	590.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4253	Inter-Island Resorts, Ltd.	8/14/69-3/14/2015	Lot A, Banyan Dr., South Hilo	2-1-05	1.054	U-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	A-cane	7,150.00
S-4261	Hawaiian Agricultural Co.	9/29/69-9/28/2004	Kapapala & Kaalaala, Kau	9-7-01: 01	539.562	A-cane	2,150.00
S-4262	Hutchinson Sugar Co., Ltd.	9/29/69-9/28/94	Waiohinu, Kau	9-5-05: 01 & 02 & 03 8-5-03: 46	378.780	A-cane	4,972.00
S-4263	Hawaiian Agricultural Co.	9/29/69-9/28/94	Kapapala, Kau	9-8-01: 06	291.130	A-cane	4,743.00
S-4264	Haruyuki & Hatsue Tao	9/29/69-9/28/2024	Camp Site 8-A, Waiakea, South Hilo	2-4-07: 27	.096	U-r/w	2.67
S-4279	Koichi Soga & Ryoko Soga	1/20/70-1/19/95	Parcel A, Por. Nanawale For. Res., Kaniahiku, Puna	1-4-34	3.008	A-agr	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	A-agr	100.00
S-4281	Richard Smart	1/20/70-1/19/95	Parcel A & B Puukole-Paoo Tract, North Kohala	5-7-01: 04 & 10	2,464.290	A-past	4,500.00
S-4282	Hutchinson Sugar Co., Ltd.	1/20/70-1/19/95	Hionaa-Kaalaiki Tract, Kau	9-5-15: 03	2,197.290	A-cane	27,104.00
S-4283	Kapalama Commercial Center	1/20/70-1/19/2010	Lot 13, Hilo Ind. Dev., Pohaku St., Section 1, Waiakea, South Hilo	2-2-58: 25	.439	U-ind	1,600.00
S-4284	Kapalama Commercial Center	1/20/70-1/19/2025	Lot 8, Hilo Ind. Dev., Leilani St.Waiakea, South Hilo	2-2-37	.826	U-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 4-6-04	666.449	A-cane	9,050.00
S-4286	Koshi Miyasaki	1/20/70-1/19/85	Keanakolu Orchard-Arboretum, Humuula, North Hilo	3-7-01	39.308	A-agr	1,105.00
S-4287	Antone Texeira & Helen Texeira	1/20/70-1/19/2025	Easement-Pohakuhaku & Kemau, Hamakua	4-3-06	.330	A-r/w	60.00
(D) S-4288	Honolulu Gas Co., Ltd.	5/07/69-5/06/2024	Kealakehe, North Kona	7-4-08: Por. 16 & 17	.354	C-r/w	430.00
S-4299	Ah Chun Lee	5/12/70-5/11/1995	Por. Makena & Lot 7 of Kaimu-Kiula Homestead Makena & Kaimu, Puna	1-2-06	378.131	A-past	350.00
S-4300	Pohaku Enterprises, Inc.	5/12/70-5/11/2025	Lot 1-A of Hilo Ind. Dev., Pohaku St., Waiakea, South Hilo	2-2-58: 35	1.435	U-ind	8,000.00
S-4301	K. Kobata & Sons, Inc.	5/12/70-3/30/2022	Parcel B, South side of Kam Ave. betwn. Kalanikoa St. & Land Court Appl. 1651 Waiakea, South Hilo	2-2-32: 10	.582	U-bus	1,600.00
S-4302	Robert M. Yamada et. al. dba Yamada Transfer	5/12/70-5/11/2025	Por. Gov't. land of Waiakea, Lot A, Block 40, Waiakea Houselots & Gov't. Remnant, South Hilo	2-2-37	4.823	U-ind	16,985.00
S-4303	Economy Motors, Inc.	5/12/70-5/11/2010	Lot 5, Blk. 48, Waiakea Houselots ext., Waiakea, South Hilo	2-2-58: 15	.608	U-ind	6,100.00
S-4306	Hacker & Scheiderich	6/30/70-6/29/2010	Lot 2, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 04	.331	U-ind	1,125.00
S-4307	Quality Sheetmetal Co., Ltd.	6/23/70-6/22/2010	Lot 3, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 03	.278	U-ind	980.00
S-4308	L. H. Nishimoto Plumbing Contractor, Inc.	6/23/70-6/22/2010	Lot 4, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 02	.551	U-ind	1,350.00
S-4309	The Investment Corp.	6/23/70-6/22/2010	Lot 6, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 32	.459	U-ind	1,620.00
S-4310	Big Island Builders, Inc.	6/30/70-6/29/2010	Lot 7, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 31	.459	U-ind	1,620.00
S-4311	Industrial Steel Corp.	6/23/70-6/22/2010	Lots 10 & 11, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 27 & 28	.877	U-ind	3,100.00
S-4312	Hacker and Scheiderich	6/30/70-6/29/2010	Lot 12, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 26	.439	U-ind	1,550.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4313	Yamada & Sons, Inc.	6/23/70-6/22/2010	Lot 14, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 24	.256	U-ind	920.00
S-4314	Yamada Transfer	6/23/70-6/22/2010	Lot 15, Hilo Ind. Dev., Pohaku St. Section, Waiakea, South Hilo	2-2-58: 23	.273	U-ind	930.00
S-4315	Hawaii Planters, Inc.	6/23/70-6/22/1995	Kalapana-Kupahua, Puna	1-2-32: 23	219.000	A-agr	400.00
S-4316	ALFLO RONCO Development, Inc.	6/23/70-6/22/2025	Waiakea Golf Course, South Hilo	2-1-01 2-1-02 2-1-04 2-1-05 2-1-06	63.248	U-bus	5,500.00
S-4317	Hisato Ogata & Tsuyako Ogata	6/30/70-6/29/2025	Easement-Waiakea	2-4-33	.045	U-r/w	10.00
S-4319	Kinoole	2/02/71-1/31/2046	Por. Gov't. Land at Waiakea	2-4-25: 01	1.025	U-ele	1.00
(D) S-4320	Hawaiian Telephone Co.	1/01/70-12/31/2035	Halai Hill, Hilo	2-3-22: Por. 37	.321	U-r/w	73.00
S-4323	C. Brewer and Co., Ltd.	11/10/70-11/09/2035	Waiakea, South Hilo	2-1-10: 33	3.706	U-ind	15,500.00
S-4330	H. P. I., Inc.	4/16/71-4/15/2026	Lot 4, Hilo Ind. Dev., Leilani St., Waiakea, South Hilo	2-2-37: 122	.413	U-ind	2,808.00
S-4331	JBL Hawaii, Ltd.	4/16/71-4/15/2026	Lot 6, Hilo Ind. Dev., Leilani St., Waiakea, South Hilo	2-2-37: 144	.517	U-ind	1,950.00
S-4332	JBL Hawaii, Ltd.	4/16/71-4/15/2026	Lot 7, Hilo Ind. Dev., Leilani St., Waiakea, South Hilo	2-2-37: 145	.547	U-ind	1,950.00
S-4333	Hawaiian Fruit Flavors, Inc.	7/15/71-7/14/2011	Lot 2, Blk. 39, Waiakea Houselots	2-2-37: 56	.448	U-ind	3,175.00
S-4334	Hawaii United Resources, Inc.	4/16/71-4/15/1996	Lot 10, Panaewa Farm Lots	2-4-49: 24	10.231	A-agr	900.00
S-4335	Tapley P. Jordan, Jr.	4/16/71-4/15/1991	Lots 5 & 6, Olelomoana Homesteads, South Kona	8-7-13: 10	40.600	A-agr	1,150.00
S-4336	Solomon Thompson	4/16/71-4/15/1991	Lots 8, 10, 11, 12 & 13, Haukalua Homesteads	8-7-04: 05, 07 08, 09, 10	28.150	A-past	475.00
S-4343	Trustees of HGEA Building Trust	12/27/71-12/26/2036	Lot 2, Blk. 94, Waiakea Houselots, 2nd Series	2-4-56: Por. 02 & 14	1.381	U-bus	4,500.00
S-4344	Hilo Medical Corp.	12/27/71-12/26/2026	Por. of Gov't. Land at Piihonua	2-3-37	2.052	U-bus	5,000.00
(D) S-4351	University of Hawaii	3/10/72-3/09/2037	Parcel A, University of Hawaii student housing Site, Waiakea, S. Hilo	2-4-01: 07	6.566	U-res	Gratis
S-4355	Honpa Hongwanji Mission of Hawaii	5/01/72-4/30/2027	Por. Lot 7, Waiakea Cane Lots	2-4-01: 116	4.000	U-res	2,820.00
S-5000	Tsugio Sakata	3/31/67-3/30/2032	Por. Gov't. Land of Waimea, S. Kohala	6-5-04	.012	U-r/w	11.00
S-5001	K. Kubota & Sons, Inc.	3/31/67-3/30/2022	Parcel A, Waiakea, S. Hilo	2-2-32	1.000	U-bus	4,262.00
S-5002	Aiea Dairy, Ltd.	3/31/67-3/30/92	Lot 88, Kaapahu Hmstds., Hamakua	4-4-13: 11	20.500	A-past	250.00
S-5003	Rudy Hirota	3/31/67-3/30/92	Lots 1417 & 1516, Waiakea Hmstds., 3rd Series, South Hilo	2-4-06: 12 2-4-07: 37	68.670	A-past	330.00
S-5004	Sueichi & Yoshiko Kawashima	3/31/67-3/30/92	Lot 5A, Paauilo, 2nd Series, Hamakua	4-3-15: 10	3.040	A-agr	46.00
S-5005	Marjory Corley	3/31/67-3/20/2002	Keonepoko-Nui, Puna	1-5-08	5.000	A-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	U-bus	485.00
S-5017	Mary K. Phillips	5/19/67-5/18/2032	Por. Lalamilo, Waimea, South Kohala	6-6-04	.033	U-r/w	22.00
S-5018	Nalei, Inc.	5/19/67-5/18/2032	Lots 11 & 11-A, Ocean View Lots, Waiakea, South Hilo	2-1-05: 21 & 31	1.090	U-bus	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Hamakua & North Kohala	6-3-02: 04 & 05	5,845.000	C-wtr	8,000.00
S-5020	Kohala Sugar Co.	5/19/67-5/18/1992	Awalua-Haena Gov't. Tract, North Kohala	5-6-01	185.550 8.800 14.480 22.250	A-cane A-r/w A-ws A-past	1,856.00 67.00
					231.080		1,923.00



SECOND LAND DISTRICT

Island of Maui

GENERAL LEASES—SUMMARY, SECOND LAND DISTRICT as of June 30, 1972

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	702.249	$ 7,814.00	24
Business	111.826	15,296.00	3
Cane*	4,973.041	96,624.21	7
County	—	—	2
Eleemosynary	53.653	541.00	7
Federal	8,325.706	—	4
Fishpond	—	—	—
Industrial	1.262	1,800.00	2
Pasture	17,774.603	34,283.06	46
Pineapple	396.980	5,442.00	2
Recreational	7.742	150.00	1
Residential	11.227	1,697.00	5
Rights of way	25.834	3,281.57	9
State Agencies	—	—	—
Waste	128.134	—	2
Water Licenses, etc.	20,050.940	74,540.00	3
TOTAL	52,560.197	$241,468.84	117

*Includes contributory lands

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3394	Kaupo Ranch, Ltd.	1/14/52-1/13/73	Por. of Pualaea Kaniaula & Kalepa, Kaupo	1-7-01: 31 & 33	361.400	A-past	325.00
3396	Maui Factors, Inc.	1/14/52-1/13/73	Por. of Ukumehame, Maui	3-6-01: 14 4-8-01: 01	4,858.431	C-past	6,740.00
3397	Alfred Ferreira	1/14/52-1/13/73	Lot 0, Nahiku Homesteads, Koolau	1-2-2-: 35	7.350	A-past	15.00
3398	Exporters, Ltd.	1/14/52-1/13/73	Parcel 7 & 15, Kapohue & Puuiki, Hana	1-5-03: 07 & 19	1.840	R-past	12.00
3400	Valentine Redo	1/14/52-1/13/73	Por. Wakiu, Hana	1-3-04: 11 & 12	731.250	A-past	913.06
3401	Anthony Tam	1/14/52-1/13/73	Por. Honokalani, Hana	1-3-05: 02 & 04	175.000	C-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: 03, 04 & 06	2.710	U-past	30.00
3404	Hiroshi Takatani	1/14/52-1/13/73	Por. Maluaka, Honuaula, Makawao	2-1-05: 84	2.000	A-agr	16.00
3405	Roy I. Akiyama & Ralph G. Iwamoto	1/14/52-1/13/73	Gov't. Lands at Pukoo 3, Molokai	5-7-07: 42	9.410	A-res	100.00
3406	West Maui Athletic Assn.	1/14/52-1/13/73	Gov't. Remnant off Front St., at Pakala, Lahaina	4-6-07: 08	.200	U-ele	20.00
3411	Pioneer Mill Co., Ltd.	1/14/52-1/13/73	Por. of Olowalu, Lahaina	4-8-01: 08		C-r/w	100.00
3488	Tatsuo Suehiro	6/28/54-6/27/75	Lot B, Alamihi, Lahaina	4-5-05: 16	.145	U-agr	16.00
3489	Manuel Souza et. al Trustees for Apostolic Church of Honolulu	6/28/54-6/27/75	Lot A, Alamihi, Lahaina	4-5-05: 17	.260	U-ele	26.00
3495	Joseph Young	6/28/54-6/27/75	Lot 36, Wailua Homesteads, Koolau	1-1-05: 36	1.800	A-agr	44.00
3496	Margaret M. Rossi	6/28/54-6/27/75	Lots 3 & 3-A, Keanae Homesteads, Keanae	1-1-03: 69	1.770	C-past	24.00
3497	John Emmsley	6/28/54-6/27/75	East Papaaea, Hamakualoa	2-9-13: 04 & 12	50.560	A-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: 08	31.470	A-past & C	40.00
3499	Joseph & Williet E. Range	6/28/54-6/27/75	Gov't. remnant in W. Papaaea, Hamakualoa	2-9-13: 14	79.100	A-past & C	100.00
3500	Ah Chow Atai	6/28/54-6/27/75	Lots 5 & 5-A, Honomanu Homesteads, Koolau	1-1-01: 45 & 46	4.440	C-past	24.00
3501	Mrs. Pearl Friel	6/28/54-6/27/75	Por. Gov't. Land of East Ohia	5-6-06: 18	56.440	A-past	50.00
3505	East Maui Irrigation Co., Ltd.	7/01/55-6/30/76	Nahiku Water License, Hana & Makawao	1-2-04: 07	10,039.100	C-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	U-past	126.00
3514	Hana Ranch Co., Ltd.	4/25/55-4/24/76	Lots 1 & 2, Papaauhau Remnants	1-4-03: 07 & 08	26.070	A-past	78.00
3515	Frank Tavares Pacheco	4/25/55-4/24/76	Por. Gov't. Remnant, Hanehoi, Hamakualoa	2-9-10: 10, 12 2-9-11: 13	52.650	A-past	175.00
(D) 3535	Maui Electric Co., Ltd.	1/16/56-1/15/77	Por. Gov't. Land of Waiakoa and Papaanui	2-3-05	4.762	C-r/w	24.00
3536	Hawaiian Broadcasting System, Ltd.	3/01/56-2/28/77	Kolekole Hill, Papaanui, together w/ easement, Makawao	2-2-07: 09	2.570	C-bus	96.00
3537	Wailuku Sugar Co.	1/16/56-1/15/77	Por. Kahakuloa, Kaanapali	3-1-06: 03	136.400	C-past	300.00
L-3578	East Maui Irrigation Co., Ltd.	7/01/60-6/30/81	Huelo License, Honopou, Hamakualoa	2-9-14	6,630.840	C-wtr	50,010.00
3588	Pioneer Mill Co., Ltd.	1/01/60-12/31/89	Honokowai, Lahaina	4-4-01	1,124.600	A-cane & U	20,834.21
S-3636	Samuel & Mary Kaauamo	4/14/61-4/13/76	Gov't. Remnant, Wailua-Homestead Tract, Wailua (Koolau)	1-1-04: 28	1.250	A-agr	25.00
S-3637	Hana Ranch, Inc.	4/14/61-4/13/91	Por. Kawaipapa, Including Loko Waiohonu, Hana	1-3-07: 01	.600	R-res	137.00
S-3638	Maui Land & Pineapple Co., Ltd.	4/14/61-4/13/81	Honokowai Mauka Tract, Kaanapali, Lahaina	4-4-04: 09	157.940	A-pine	3,800.00
S-3640	Ulupalakua Ranch, Inc.	4/28/61-4/27/82	Lot 40, Nahiku Homesteads, Koolau	1-2-01: 10	45.400	A-past & C	45.00
S-3681	Maui Land & Pineapple Co., Ltd.	1/12/62-1/11/82	Por. Napili 4 & 5, Honoapiilani Hwy., Lahaina	4-3-01	239.040	A-pine	1,642.00
S-3682	Haleakala Ranch Co.	1/12/62-1/11/82	Por. Haleakala Tract, Makawao, Hamakuapoko	2-4-16: 01	150.700	A-past	1,650.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3683	Frank Cuelho, Jr., Philip R. Perry & Eugene K. Duvauchelle	3/12/62-3/11/82	Por. Pukoo, Molokai	5-7-05: 26	142.890	A-past	300.00
S-3684	Maui County Council, Inc., Boy Scouts of America	1/12/62-1/11/82	Lots 12-A, 12-B-1, Kahakuloa Homesteads, Wailuku (Kaanapali)	3-1-01: 29	47.680	A-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: 01	194.510	A-past	1,825.00
S-3687	Wailuku Sugar Co.	1/12/62-1/11/82	Por. Ili Kou situate on main Gov't. Road at Waiehu, Wailuku	3-2-13: 08	12.480	A-cane	735.00
S-3695	East Maui Irrigation Co., Ltd.	7/01/62-6/30/86	Honomanu Water License, Koolau	1-1-01	3,381.000	C-wtr	15,510.00
S-3699	John M. Dee Souza	5/17/62-5/16/82	Koolau, Hana	1-1-01: 31	66.000	A-past	120.00
S-3700	Ulupalakua Ranch, Inc.	3/19/62-3/18/82	Kanaio & Kaunuahano, Kaloi Tract, incl. Lots 1-17, Kanaio Homesteads, Honuaula	2-1-02 2-1-03 2-1-04	8,370.000	A-past & C	5,000.00
S-3701	Haleakala Ranch Co.	3/19/62-3/18/82	Por. Nakula Mauka Tract, Kaupo & Kahikinui	1-8-Por. 05 1-9-Por. 08	423.200	A-past	3,714.00
(D) S-3714	County of Maui & U.S.A. (Civil Defense)	11/15/62-11/14/82	Abandoned shop bldg., Firebreak Rd., Puunene Airport	3-8-08	962.725	U-fed	Gratis
S-3717	West Maui AJA Veterans Club	11/05/62-11/04/87	Lot 46, Wahikuli House-lots, 3rd Series, Lahaina	4-5-14: 51	.460	U-ele	120.00
(D) S-3730	County of Maui Civil Defense Agency	3/18/63-3/17/73	Concrete storage bldg., Puunene Airport	3-8-08		A-cty	Gratis
(D) S-3741	U.S.A., FAA	7/01/64-6/30/84	Kealalaloa, Ukumehame	3-6-01: 07 & 08	1.531	C-fed	Gratis
(D) S-3749	U.S.A., Corps of Engineers (Army)	4/19/63-4/18/2028	Papaanui, Makawao (Honuaula)	2-2-07: 11	4.450	C-fed	Gratis
S-3817	Maui Young Men's Christian Association	11/24/64-11/23/2019	Keanae, Hana (Koolau)	1-1-02: 09	7.742	A-rec	150.00
S-3820	Roy F. Bodnar	4/08/64-4/07/84	Gov't. Remnants, Parcels C, D, E, Puolua, Hamakua-loa, Makawao	2-9-06: 06 2-9-08: 13, 17, 18 & 24	12.890	A-past	60.00
S-3821	Leonard Nakoa	4/08/64-4/07/74	Lots 6, 9, 16, 23, 47, 48, 57, 58, Kahukuloa Homesteads, Wailuku	3-1-04	1.539	R-agr	109.00
S-3822	Walter F. Teixeira	4/08/64-4/07/84	Lot 1, Upper Kualopa Lots, Makawao	2-1-04: 94	20.820	A-past	85.00
S-3823	Victoria Kanoa	4/08/64-4/07/74	Por. Keanae & Poalimas, Parcel 1 & 2, Keanae, Koolau, adj. to Lot 3, L.C. Appl. 240, Hana	1-1-03: 33, 43, & 44	1.497	A-agr	48.00
S-3824	Anthony DeCoite	4/08/64-4/07/84	Parcels A & B, Paehala Tract, Paehala, Hana	1-5-11: 14, 15 & 29	48.100	A-past & C	105.00
S-3825	Hamilton McLaughey	5/22/64-5/21/2029	Old Kipahulu Sch. Lot, Kalena, Hana	1-6-07: 10	1.970	A-ele	Gratis
(D) S-3826	County of Maui Civil Defense Agency	11/25/64-11/24/74	Splinter Shelter Bldg., Facility No. 03659; Bldg. 2, Puunene Airport	3-8-08: 14		A-cty	Gratis
S-3835	Pioneer Mill Co., Ltd.	6/02/64-6/01/84	Honokowai, Kaanapali, Wahikuli, Lahainaluna, Lahaina	4-4-02: 12, 13 & 14 4-4-05: 35 4-4-07: 09 &10 4-5-21: 05 4-6-18: 11	17.901	C-r/w & A	1,500.00
S-3857	Leslie W. & Colia I. Eade	8/17/64-8/16/99	Betwn. Hana Hwy. & sea, Papaahau, Hana	1-4-03: 01	5.200	A-past & C	590.00
(D) S-3918	University of Hawaii	5/28/65-5/27/2030	Parcel 1, Kealahou 1 & 2 & Waiakoa, Makawao, Kula	2-2-11: 33	2.674	A-agr	Gratis
S-3920	Joseph Young	7/20/65-7/19/85	Lots 12-A, 13-A, 26-A, 32, 32-A, & Parcel 54, Wailua Homesteads, Hana	1-1-05	5.930	A-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	2.990	A-agr	80.00
S-3923	Colin C. Cameron	7/20/65-7/19/2030	Non-exclusive easement for roadway 20-ft. wide, Kahului Airport	3-8-01	.166	U-r/w	75.00
S-3947	George W. Murphy dba Puuohoku Ranch	6/01/66-5/31/86	Por. Honouliwai, Makai of Molokai Forest Reserve	5-8-02 5-8-15	577.000	A-past	1,851.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-3953	U.S.A. (Navy)	11/04/65 11/03/72	Por. Molokai Forest Reserve	5-2-14: 03 5-3-03: 05 5-4-03: 26	7,357.000	C-fed	Gratis
S-3964	Charles H. Tuck	6/01/66- 5/31/86	Lots 28, 29, 30, Waiohonu-Kakio Homesteads, Hana	1-4-11: 04	35.850	A-past	90.00
S-3965	Samuel Kaauamo	6/01/66- 5/31/86	Lots 17-A & 46, Wailua Homesteads, Hana	1-1-05: 52	2.630	A-agr	34.00
S-3984	Pioneer Mill Co., Ltd.	7/11/66- 7/10/86	Lot C, Lahainaluna Sch. lands, Lahaina	4-6-18: 04	69.400 25.100 78.100 162.600	A-cane A-past A-ws	1,735.00 30.00
S-3985	Pioneer Mill Co., Ltd.	7/11/66- 7/10/86	Lots A-1 & A-3, Lahainaluna Sch. lands, Lahaina	4-6-18: 06 & 10	37.480 42.759 80.599	A-cane A-ws	950.00
S-4013	Obed Sniffen	10/17/66- 10/16/86	Lot 9, Kahakuloa Homesteads, Wailuku	3-1-01: 23	56.010	A-past	45.00
S-4015	Joe Castro, Jr.	10/17/66- 10/16/86	Lot 11, Kahakuloa Homesteads, Wailuku	3-1-01: 21	92.800	A-past	175.00
S-4016	Erik Krag, dba Hana Tropical Fruit Plantation	10/17/66- 10/16/2001	Por. Kawaipapa and Kakiu, Hana	1-3-04	421.170	A-agr	700.00
(D) S-4028	Hawaiian Telephone Co.	7/01/66- 6/30/2031	Papaanui, Makawao (Honuaula)	2-2-07	.262	C-ind	300.00
S-4112	Maui Shores Syndicate & Kihei Shores	9/25/67- 9/24/2032	Kamaole, Wailuku (Kula)	3-9-04: Por. 01	.400	U-r/w	150.00
S-4189	Hana Ranch Co., Ltd.	3/07/68- 3/06/88	Hamoa, Hana	1-4-07: 07	1.000	A-past	15.00
S-4190	Joseph Young	3/07/68- 3/06/88	Wailua, Hana (Koolau)	1-1-06: 70	2.760	A-agr	40.00
S-4192	Harry O. Mitchell & Pearl R. Mitchell	4/22/68- 4/21/88	Wailua Homesteads, Wailua	1-1-04: 06 & 18	2.180	A-agr	55.00
S-4194	Dr. Louis R. Prucher	5/22/68- 5/21/88	Omaopio, Makawao, (Kula)	2-3-03: 23	6.300	A-agr	200.00
S-4195	Tyson E. Benson	4/22/68- 4/21/2033	Kamaole, (Kula)	3-9-05: 46	.217	U-res	710.00
S-4197	Alexander & Baldwin, Inc.	7/01/68- 6/30/2003	Pulehunui & Waikapu, Wailuku	3-8-08	1,875.273	A-cane	35,500.00
S-4209	Charles M. & Mary J. Kong	10/03/68- 10/02/2023	Lot 4, Keanae Homesteads, Keanae, Hana (Koolau)	1-1-03: 70	1.100	A-agr & C	1,070.00
S-4210	Herbert Aronson	10/03/68- 10/02/2023	Keanae, Hana (Koolau)	1-1-03: 59	.970	A-agr A-res	350.00
S-4211	Stephen & Gerald Perreira	9/12/68- 9/11/88	Water Hole Reserve, Waiakoa Homesteads, Kula	2-2-15: 16	16.550	A-past	120.00
S-4212	John J. Fagan & Walter C. Witte	9/04/68- 9/03/2033	Kamaole, Wailuku	3-9-04: Por. 29 & Por. 01	1.119	U-bus	6,700.00
S-4229	Pioneer Mill Co., Ltd.	2/25/69- 2/24/94	Wahikuli, Lahaina (Kaanapali)	4-5-21	1,819.000	A-cane	36,000.00
S-4230	Charles S. Ota	2/25/69- 2/24/89	Honomanu, Hana	1-1-01: 52	67.000	A-past & C	150.00
S-4231	Paul T. & Bernice T. Otani	2/25/69- 2/24/94	Omapio, Kula	2-3-03: 06	13.140	A-agr	500.00
S-4232	Frank T. Pacheco	2/25/69- 2/24/94	Puolua, Makawao, (Hamakualoa)	2-9-06: 07 & 08	10.560	A-past	30.00
S-4233	Harry Frisbie	2/25/69- 2/24/89	Keanae & Pahoa, Hana	1-1-08: 08	148.700	A-past	410.00
S-4241	Harry Frisbie	6/04/69 6/03/94	Hamakualoa, Makawao	2-9-06: 21, 22 & 23	53.330	A-past	600.00
S-4242	Steven DeCoite & Florence Harold	6/04/69- 6/03/94	Honokala, Hamakualoa	2-9-05: 20 & 32	28.420	A-past	355.00
S-4269	Paul B. Noel, Leroy E. Austin, Herbert W. Austin & AUSCO, Inc. dba Puaahala	11/08/69- 11/07/2034	Submerged lands fronting Ahupuaas, Puuhala & Kaamola	5-6-06	108.137	C-bus	8,500.00
S-4270	Lahaina-Kaanapali & Pacific Railroad, Ltd.	11/24/69- 11/23/2009	Parcels 1-5, Kapunakea, Wahikuli, Lahaina	4-5-10 4-5-12 4-5-13 4-5-21	2.251	U-r/w	1,390.00
S-4271	Lahaina Hongwanji Mission	11/24/69- 11/23/2034	Por. Former Lot 21-A (Mokuhinia Pond) Wainee, Lahaina	4-6-07: 41	.083	U-ele	225.00
S-4272	Michael Paul Milner	11/24/69- 11/23/2024	Por. Former Old Kuiaha Sch. Lot, Makawao	2-7-08: 15	1.840	A-agr	300.00
S-4273	Amfac, Inc.	11/24/69- 11/23/2034	Offshore waters of Hanakaoo, Lahaina	4-4-06	.130	C-r/w	141.00 Full term
S-4274	Kula Acres, Inc.	11/24/69- 11/23/74	Waiakoa, Makawao (Kula)	2-2-11: 41	.048	R-r/w	62.00 Full term

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4325	Hale Haku Ranch	12/22/70-12/21/95	Makawao	2-2-04: 01, 02, 29 & 66	206.010	A-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	A-agr	150.00
S-4327	Harry Hasegawa & Rosalina Anita Hasegawa	11/23/70-11/22/2025	Hamoa, Hana	1-4-08: 13	1.000	R-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	A-past & C	405.00
S-4340	David Curtis	7/22/71-7/21/2116	Parcel B, Molokai Farm Lots, Hoolehua, Apana 2	5-2-01: 09	205.000	A-agr	2,400.00
S-4345	James Kekiwi	6/22/71-7/21/91	Wailua Hmstds., Hana (Koolau), Maui	1-1-05: 22	.770	A-agr	35.00
S-4346	Winston H. Jensen & Richard L. Lee	8/21/71-8/20/91	Makawao (Hamakualoa)	2-8-06: Por. 45	2.902	A-past	160.00
S-4347	Francis H. Young	9/19/71 9/18/96	Honopou, Hamakualoa	2-9-01: 18 2-9-03: 17, 20 & 39	115.750	A-past	1,550.00
S-4348	Samuel Akina	7/22/71-7/21/91	Wailua Hmstds., Hana, (Koolau)	1-1-06: 48	.400	A-agr	30.00
S-4349	Charles M. Kong & Mary Joan Kong	7/22/71-7/21/91	Wailua Hmstds, Hana, (Koolau)	1-1-06: 38	.850	A-agr	35.00
S-4350	William H. D. King & Anna M. King	7/22/71-7/21/2006	Ualapue, Kona, Molokai	5-6-02: 01	2.100	U-agr	1,400.00
S-5008	Pioneer Mill Co., Ltd.	5/23/67-5/22/87	Lahainaluna Sch. Lands, Lahaina	4-6-18: 13	34.808 7.275 42.083	A-cane A-ws	870.00
S-5010	Edward B. Perreira & Sylvia M. Perreira	5/23/67-5/22/87	Wailua-Nui Gov't. Remainder, Hana	1-1-08: 14	59.910	A-past & C	150.00
S-5011	Leonard Withington & Grace Withington	5/23/67-5/22/2032	Por. Honouliwai, Molokai	5-8-03	.176	A-r/w	28.00
S-5012	Johnson Pacific Co.	5/23/67-5/22/82	Por. Kahului Airport, Kahului	3-8-01	1.000	U-ind	1,500.00
S-5014	David Nobriga	10/17/66-10/16/86	Lot 10, Kahakuloa Hmstds., Wailuku	3-1-01: 04	78.600	A-past	60.00

THIRD LAND DISTRICT

Island of Oahu

GENERAL LEASES—SUMMARY, THIRD LAND DISTRICT as of June 30, 1972

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	773.317	$ 45,930.00	53
Business	158.588	90,873.20	11
Cane*	—	—	—
County	3.229	2.00	2
Eleemosynary	217.113	12,725.00	11
Federal	7,260.888	8.00	11
Fishpond	—	—	—
Industrial	140.808	395,836.00	28
Pasture	3,304.714	7,760.00	6
Pineapple	—	—	—
Recreational	6.190	150.00	1
Residential	.600	540.00	1
Rights of way	60.558	4,181.48	41
State Agencies	—	—	—
Waste	—	—	—
Water Licenses, etc.	6,154.625	48,612.00	3
TOTAL	18,080.630	$606,617.68	168

*Includes contributory lands

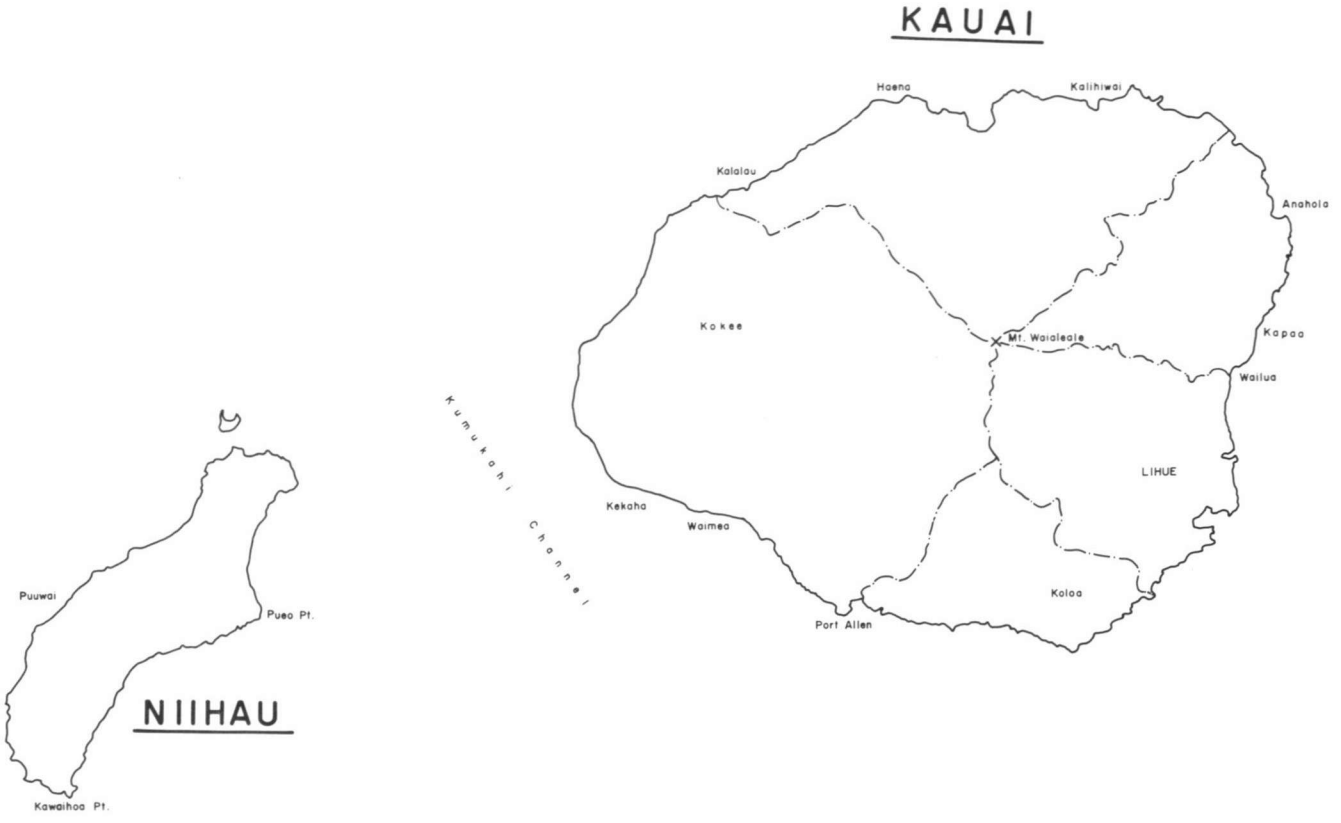
Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
L-1755	Hawaiian Electric Co., Ltd.	4/07/46-Indefinite	Auwaiolimu & Kewalo		.210	U-r/w	1.00
L-1756	Hawaiian Electric Co., Ltd.	6/21/21-Indefinite	Waialee, Koolauloa		1.020	C-r/w	12.00
L-2955	Hawaiian Electric Co., Ltd.	5/25/48-5/24/98	Schofield Barracks		.548	U-fed	1.00
L-3352	Castle & Cooke, Inc.	1/01/51-12/31/72	Wahiawa	7-2-01:01	4,620.000	C-wtr	16,000.00
3388	Able S. Santos	1/01/52-12/31/73	Kaneohe, Koolaupoko	4-5-33: 02	89.500	A-agr	770.00
3390	Apolonia Rose (Mrs.)	7/01/51-8/31/72	Aiea, Ewa	9-9-04: 05	.600	U-res	540.00
3429	Hawaiian Telephone Co.	6/06/52-6/05/73	Kalawahine & Opu (Tantalus)	2-5-19: 13 & 14	2.370	U-bus	200.00
3430	Hawaiian Cement Corp.	6/06/52-6/05/73	Lualualei, Waianae	8-6-03: 24	17.890	U-ind	100.00
3459	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	12/07/53-12/06/74	Pupukea-Paumalu, Koolauloa	5-9-05	.025	U-r/w	12.00
3465	Hawaiian Trust Co., Ltd.	12/07/53-12/06/74	Hotel St., Honolulu	2-1-25	.085	U-bus	12.00
3469	Labriano Garcia	4/05/54-4/04/75	Waianae-Kai	8-5-06: Por. 01	97.390	A-past	275.00
L-3471	Hawaiian Bitumuls & Paving Co., Ltd.	4/05/54-4/04/75	Kaena, Waialua	6-9-01	76.376	U-ind	76.00
L-3502	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	6/06/52-6/05/73	Kalawahine & Opu (Tantalus)	2-5-19: 13 & 14	2.370	U-bus	30.00
3523	Glenn Masuo Masunaga & Harriet Mieko Masunaga	6/30/55-6/29/76	Makiki	2-4-32	.097	U-r/w	24.00
3524	Union Oil Co. of California	6/30/55-6/29/76	Iwilei	1-5-13	.053	U-r/w	24.00
L-3527	Hawaiian Electric Co., Ltd.	7/07/55-7/06/76	Kewalo & Kalawahine	2-5-19	.627	U-r/w	24.00
3544	The Eye of the Pacific, Inc.	2/21/56-2/20/77	Lot 12, Piliamoo Houselots & Remnant, Moiliili	2-8-26: 14	.551	U-ele	60.00
3545	Honolulu Gas Co., Ltd.	2/21/56-2/20/77	Lot CC-2-B, Kuwili, Kapalama-Kai	1-5-16 1-5-20	7.408	U-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		C-r/w	24.00
3563	Castle & Cooke, Inc.	8/01/56-7/31/77	Wahiawa, Waialua, Kaakaukukui	7-3-01: 14 & 15	.125	C-wtr	12.00
3564	Advertiser Publishing Co., Ltd. & Hercules Broadcasting Co.	8/27/56-8/26/77	Kaakaukukui	2-1-58: 48	.083	U-bus	1,400.00
3565	GEM International, Inc.	8/27/56-8/26/77	Kuwili	1-5-20: 06 & Por. 11	3.075	U-ind	9,000.00
(D) S-3702	Honolulu Gas Co., Ltd.	3/21/62-3/20/92	Wilikina Dr., Wahiawa	7-3-01	.051	U-r/w	220.00
S-3709	The Oceanic Foundation	8/21/62-8/20/2027	Waimanalo, Koolaupoko	4-1-14: 03, 04 & Por. 07	118.000	U-ele	12,000.00
S-3726	Honolulu Star Bulletin, Inc.	1/14/63-1/13/83	Ala Wai Blvd., Kalia, Waikiki	2-6-13	2.000	U-r/w	130.00
S-3727	Roman Rivera & Alfonsa Remiscal Nacapoy	1/14/63-1/13/2028	Kaluapalena, Kalihi	1-3-11	.154	U-r/w	19.20
(D) 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	C-fed	Gratis
(D) S-3748	U.S.A. Federal Aviation Agency	4/19/63-4/18/2028	Mokuleia Forest Res.	8-5-06: 03	53.630	C-fed	Gratis
(D) S-3806	Honolulu Redevelopment Agcy, City & County of Honolulu	4/01/64-3/31/74	Lot B, Iwilei Gov't. Lots	1-5-07: 14	2.409	U-bus	1.00
(D) S-3808	City & County of Honolulu	6/17/64-6/16/2029	Pouhala & Ulumoku, Waikele, Ewa	9-3-01 9-3-02	45.810	C-r/w	1.00
S-3809	Canadian Overseas Telecommunications Corporation	4/02/64-4/01/2029	Keawaula, Waianae	8-1-01	3.979	C-ind	1,000.00
S-3811	Consolidated Amusement Co., Ltd.	4/02/64-4/01/2029	Kalauao, Ewa	9-8-11: 11	.015	U-r/w	125.00
(D) S-3813	U.S.A. (Navy)	7/01/64-6/30/79	Nanakuli, Lualualei, Waianae	8-9-06: Por. 01 8-7-08: 26 8-7-06: Por. 03	.397	U-r/w	1.00
(D) S-3843	City & County of Honolulu (Maluhia Hospital)	2/26/65-2/25/2030	Betwn. S. of Hala Dr. & N. of Kuakini St. ext., adjacent Blk. 1 Sec. C, McInerny Tract & Sec. C, Lanakila Tract, Kalaepohaku, Kapalama	1-6-09: 04	3.090	U-cty	1.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-3845	U.S.A. (Army)	8/17/64-8/16/2029	Kaena Point Tracking Station		137.980	C-fed	1.00
(D) S-3846	U.S.A. (Army)	8/17/64-8/16/2029	Kawailoa Training Area	7-2-01	4,390.000	C-fed	1.00
(D) S-3848	U.S.A. (Army)	8/17/64-8/16/2029	Makua Training Area, Parcels A & B		1,515.121	C-fed	1.00
(D) S-3850	U.S.A. (Army)	8/17/64-8/16/2029	Kahuku Training Area		1,149.720	C-fed	1.00
(D) S-3864	University of Hawaii	7/01/65-6/30/2030	Kaakaukukui, Honolulu	2-1-58	6.071	U-ele	1.00
(D) S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Overhead easement over Por. E.O. 1346, Kapalama, Honolulu	1-5-42	.115	U-r/w	75.00
(D) S-3897	Hawaiian Electric Co., Inc.	3/11/65-3/10/2030	H.H.L., Nanakuli	8-9-07	3.790	U-r/w	84.00
(D) S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Makiki Forest Ridge Lots, Honolulu	2-5-23: 08, 21 25, 35	.079	C-r/w	50.00
S-3899	First Hawaiian Bank	3/11/65-3/10/2030	Lots 25 & 25-A, Auwaiolimu Lots, Honolulu	2-2-06: 25	.229	U-r/w	600.00
(D) S-3900	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kuwili, Kapalama, Honolulu	1-5-14	.118	U-r/w	73.00
(D) S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kapalama, Honolulu	1-6-02	.006	U-r/w	5.00
S-3902	Oahu Sugar Co., Ltd.	3/11/65 3/10/2005	Waipahu, Waikele	9-3-02 9-4-11 9-4-13 9-4-14	.262	C-r/w	70.40
(D) S-3903	Hawaiian Telephone Co.	3/11/65-3/10/2030	Diamond Head Tunnel, Kapahulu, Honolulu	3-1-42	.959	U-r/w	1.00
(D) S-3904	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65-3/10/2030	Kalihi-Waena Sch., Honolulu	1-3-08	.418	U-r/w	205.00
(D) S-3905	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Laelae, Kalihi Valley	1-4-22	.365	U-r/w	50.00
(D) S-3906	Hawaiian Electric Co., Ltd.	3/11/65-3/10/2030	Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu	1-5-41	.481	U-r/w	200.00
S-3915	Francis I. Tsuzuki & Morio Omori	6/21/65-6/20/2030	Kewalo, Honolulu	2-2-04	.043	U-r/w	78.00
(D) S-3924	U.S.A. (Army Corps of Engineers)	12/01/65-Indefinite	Battery Harlow, Fort Ruger, Honolulu		.003	U-fed	1.00
S-3951	Aloha Council, Boy Scouts of America	3/11/66-3/10/2021	Parcels A & B, Pupukea	5-9-05 5-9-06	64.800	C-ele	150.00
(D) S-3963	U.S.A. (Army Corps of Engineers)	1/01/65-12/31/2029	Waialua	8-9-08: Por. 01	9.487	C-fed	1.00
S-3978	Ralph Ajifu & Richard Azama	6/27/66-6/26/2031	Kaluapuhi-Waikalua Homesteads, Kaneohe	4-5-32	.168	U-r/w	30.00
S-3980	Esther K. Arinaga	6/27/66-6/26/2031	Makiki Ditch	2-4-29	.021	U-r/w	36.00
S-3981	Roy H. Aoki & Jane S. Aoki	6/27/66-6/26/2031	Por. Pauoa Valley	2-2-16	.012	U-r/w	1.00
S-3982	Castle & Cooke, Inc.	6/27/66-6/26/2031	Kuwili, Kapalama-Kai	1-5-16	.090	U-r/w	246.00
S-3983	David Ap Lew	6/27/66-6/26/2021	Por. Old Waialee Boy's Home, Koolauloa	5-8-01	12.854	U-bus	6,324.00
S-3996	Y. Hata & Co., Ltd.	8/05/66-8/04/2022	Food Distribution Center, 1st increment, Kaakaukukui, Honolulu	2-1-58	4.146	U-bus	48,750.00
S-3997	Honolulu Community Theater	8/18/66-8/17/2016	Por. Blk 56, Kaimuki Tract, Kapahulu, Honolulu	3-2-30	2.735	U-bus	6,000.00
S-4014	Hawaii Little League Stadium	4/01/68-3/31/2033	Moanalua	1-1-03	6.190	U-rec	150.00
S-4017	Aloha Council, Boy Scouts of America	6/10/66-6/09/96	Reservoir Lot, Kaimuki, Honolulu	3-2-35	.657	U-ele	150.00
S-4027	Communications Satellite Corp.	12/28/66-12/27/2031	Mt. Kaala, Por. Mokuleia For. Res., Waialua	6-7-03	.106	C-bus	330.00
(D) S-4094	City and County of Honolulu	12/17/65-12/16/2030	Kapahulu, Waikiki, Honolulu	3-1-42	.139	U-cty	1.00
(D) S-4096	University of Hawaii	9/01/67-8/31/77	Waimanalo	4-1-26: 02 & 21	127.282	A-agr	Gratis
(D) S-4100	Army & Air Force Exchange Service	11/01/67-10/31/2032	Kaakaukukui, Honolulu	2-1-58	2.500	U-fed	1.00
(D) S-4104	Hawaiian Electric Co., Inc.	4/15/66-5/28/2028	Kapahulu, Honolulu	3-1-42	.154	U-r/w	10.00
S-4110	Hawaii Kai Community Services Co.	9/15/67-9/14/2032	Maunalua	3-9-15	.643	U-r/w	255.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-4113	Val's U-Drive, Inc.	10/10/67-10/09/2007	Moanalua	1-1-06	.676	U-ind	10,900.00
S-4114	Jack & Jean Altman	10/10/67-10/09/2007	Moanalua	1-1-06	.909	U-ind	13,300.00
S-4115	Associated Masons, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	.945	U-ind	12,200.00
S-4116	Valdastri, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	1.013	U-ind	15,600.00
S-4117	Sen Co., Inc.	10/10/67-10/09/2007	Moanalua	1-1-06	1.013	U-ind	15,300.00
S-4118	Harders Co., Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	1.013	U-ind	16,400.00
S-4119	Sunvan & Storage Co., Inc.	10/10/67-10/09/2007	Moanalua	1-1-06	1.094	U-ind	18,600.00
S-4120	Electrical Distributors, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	1.013	U-ind	15,500.00
S-4121	Paul Simpson, Inc.	10/10/67-10/09/2007	Moanalua	1-1-06	.919	U-ind	15,600.00
S-4122	W. T. Chang Contractors, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	.507	U-ind	7,500.00
S-4123	Douglas K. Takata	10/10/67-10/09/2007	Moanalua	1-1-06	.566	U-ind	9,600.00
S-4124	Oahu Plumbing & Sheet Metal, Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	.574	U-ind	9,100.00
S-4125	Oahu Development Corp.	10/10/67-10/09/2007	Moanalua	1-1-06	.574	U-ind	9,600.00
S-4126	Headrick Development, Inc.	10/10/67-10/09/2007	Moanalua	1-1-06	.574	U-ind	9,900.00
S-4127	Quality Sheetmetal Co., Ltd.	10/10/67-10/09/2007	Moanalua	1-1-06	.574	U-ind	9,500.00
(D) S-4129	U.S.A. (Federal Aviation Adm.)	6/01/67-5/30/2032	Fort Ruger		.099	U-fed	Gratis
S-4131	Tamotsu & Otome Sugiyama	10/19/67-10/18/87	Waianae	8-5-06	1,272.000	A-past	2,800.00
S-4132	Miyoshi Uchinaka	10/19/67-10/18/2032	Ewa	9-7-23	.010	U-r/w	6.00
S-4216	Armour Oil Hawaii, Ltd.	12/05/68-12/04/2033	Kapalama, Honolulu	1-5-34	.112	U-r/w	915.00
S-4217	Ernest W. Albrecht	12/05/68-12/04/2033	Puea, Waianae	8-5-05	.612	A-r/w	21.00
S-4218	Waipahu Soto Zen Temple Taiyoji	12/05/68-12/04/2033	Cemetery Lot, Pouhala, Waikele, Ewa	9-4-27: 124	.229	U-ele	12.00
(D) S-4220	University of Hawaii	1/29/69-1/28/2034	Kaimuki Tract 49, Kapahulu	3-2-31	8.000	U-ind	Gratis
(D) S-4223	Hawaiian Telephone Co.	3/01/66-2/28/2031	Mt. Kaala, Mokuleia, Waialua	6-7-03	.055	C-r/w	300.00
(D) S-4228	U.S.A. (Army)	1/01/69-12/31/73	Por. Oahu Railway & Land Co.'s Railroad	8-5-01: 08	1.103	U-r/w	Gratis
S-4258	Seatrain Terminals of California, Inc.	9/18/69-6/11/89	Sand Island, Honolulu	1-5-41	10.000	U-ind	78,300.00
S-4266	Mokuleia Ranch & Land Co., Ltd.	9/04/69-9/03/94	Kuaokala & Kealia, Waialua	6-8-02: 07 6-9-03: 02	1,884.695	A-past	2,350.00
S-4267	John K. & Sarah L. Nakoa	9/04/69-9/03/2034	Palolo Valley, Por. Anuenue Ele. Sch.	3-4-04	.031	U-r/w	31.107
S-4268	Hualalai Construction Co., Ltd.	9/04/69-9/03/2034	Moanalua, Honolulu	1-1-64	.051	U-r/w	103.48
S-4290	Albert C. Kobayashi	3/12/70-3/11/2010	Lot 1, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-06	.232	U-ind	7,200.00
S-4291	Bert A. Kobayashi	3/12/70-3/11/2010	Lot 2, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-06	.232	U-ind	7,500.00
S-4292	Grace Brothers, Ltd.	3/12/70-3/11/2010	Lot 3, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-06	.527	U-ind	16,700.00
S-4293	Rite-Way Electric Co.	3/12/70-3/11/2010	Lot 4, Shafter Flats Ind. Dev., Unit III, Moanalua	1-1-06	.492	U-ind	15,900.00
S-4294	Hawaii Business Association, Inc.	3/12/70-3/11/2010	Lot 5, Shafter Flats Ind.	1-1-06	.523	U-ind	16,200.00
S-4295	John B. Hamacher	3/12/70-3/11/2035	Kapahulu	3-1-48	.020	U-r/w	85.00
S-4304	Thomas D. & Karen C. Perkins	5/19/70-5/18/2035	Por. Kalawahine, Honolulu	2-5-19: Por.05	.033	U-r/w	30.00
S-4329	Waiahole Irrigation Co., Ltd.	1/01/71-12/30/2000	Kahana, Koolaupoko	4-8-13: Por. 01	1,534.500	C-wtr	32,600.00
S-4337	American National Red Cross	5/06/71-5/05/2036	Kapahulu, Waikiki	3-1-42	1.000	U-ele	1.00 Full term

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-4352	Hawaii Association for Retarded Children	5/12/72-5/11/2037	Por. of LP 8165, Part B por. LCAw. 8559-B, Apana 32, por. land conveyed by William Lunalilo & por. Diamond Hd. Res.	3-1-42	2.157	U-ele	120.00
(D) S-4354	Hawaiian Telephone Co.	11/01/71-12/31/73	Por. Diamond Hd. Res., Kapahulu, Waikiki, Honolulu	3-1-42: Por. 19	1.571	U-bus	11,326.20
(D) S-5006	University of Hawaii	6/01/67-5/31/2032	Honolulu	6-7-03	.110	U-ind	Gratis
S-5013	First Church of Christ, Scientist	5/25/67-5/24/2032	Honolulu	2-4-08	.050	U-ele	110.00
Waimanalo	Agricultural Leases						
S-3753	Sidney U. Goo	12/02/63-12/01/83	Lot 2, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 31	3.249	A-agr	355.00
S-3754	Chozen Kanetake	12/02/63-12/01/83	Lot 3, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 32	4.147	A-agr	360.00
S-3755	Ronald H. Deisseroth	12/02/63-12/01/83	Lot 4, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 33	5.106	A-agr	350.00
S-3756	James Suenaga	12/02/63-12/01/83	Lot 5, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 34	5.193	A-agr	290.00
S-3757	Raymond M. & Lily T. Kam	12/02/63-12/01/83	Lot 9, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 40	3.742	A-agr	300.00
S-3758	Kazuto Yamada	12/02/63-12/01/83	Lot 10, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 41	4.094	A-agr	350.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/02/63-12/01/83	Lot 11, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 42	4.486	A-agr	375.00
S-3760	Kaname & Ethel H. Tanaka	12/02/63-12/01/83	Lot 12, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 43	4.635	A-agr	390.00
S-3761	Philip P. Minn Nurseries, Ltd.	2/02/64-2/01/84	Lot 13, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 44	4.014	A-agr	360.00
S-3762	Henry Hiroshi Miyamoto	2/02/64-2/01/84	Lot 14, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 46	5.137	A-agr	420.00
S-3763	John G. Kilbey & Charles K. Baker	12/02/63-12/01/83	Lot 15, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 48	5.526	A-agr	410.00
S-3764	Evergreen Nurseries, Inc.	12/02/63-12/01/83	Lot 16, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 20	3.228	A-agr	295.00
S-3765	Harry N. Okabe & Irene Okabe	12/02/63-12/01/83	Lot 25, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 30	7.787	A-agr	560.00
S-3766	Rodney H. & Iris T. Fukui	12/02/63-12/01/83	Lot 26, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 29	7.001	A-agr	725.00
S-3767	Ronald Lindsey	12/02/63-12/01/83	Lot 27, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 28	7.195	A-agr	515.00
S-3768	Stanley S. Kawabata	12/02/63-12/01/83	Lot 28, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 27	6.836	A-agr	515.00
S-3769	Mun On & Rosalind K. Chang	12/02/63-12/01/83	Lot 29, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 26	5.515	A-agr	540.00
S-3770	Hiroshi & Sallie Ikene	12/02/63-12/01/83	Lot 30, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 25	5.794	A-agr	430.00
S-3771	Samuel L. W. Kapahua	12/02/63-12/01/83	Lot 31, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 19	10.005	A-agr	1,000.00
S-3772	Herbert Suzuki, et. al.	12/02/63-12/01/83	Lot 32, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 18	6.521	A-agr	1,300.00
S-3773	Lloyd W. Martin	12/02/63-12/01/83	Lot 34, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 11	9.565	A-agr	650.00
S-3774	Katsumi Mashita	12/02/63-12/01/83	Lot 35, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 10	8.541	A-agr	585.00
S-3775	Rainbow Properties, Inc.	12/02/63-12/01/83	Lot 36, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 09	8.860	A-agr	600.00
S-3776	Howard E. & Naomi Chaille	12/02/63-12/01/83	Lot 37, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 12	8.513	A-agr	490.00
S-3777	John Henry & Vivian Firth	12/02/63-12/01/83	Lot 39, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 08	7.883	A-agr	515.00
S-3778	Melvin Y. S. Chang	12/02/63-12/01/83	Lot 40, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 07	5.686	A-agr	420.00
S-3779	James A. Nakano & Takashi Ishihara	12/02/63-12/04/83	Lot 41, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 06	6.032	A-agr	435.00
S-3780	Marion Freitas & Chiharu Yoneda	12/02/63-12/01/83	Lot 46, Waimanalo Agr. Subd., Koolaupoko	4-1-26: 19	6.705	A-agr	300.00
S-3782	Peter A. & Gertrude Pak Chong	12/02/63-12/01/83	Lot 38, Waimanalo Agr. Subd., Koolaupoko	4-1-26: 17	7.136	A-agr	550.00
S-3783	Henry, Joseph & Theresa Castillo	12/02/64-12/01/84	Lot 1, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 30	11.092	A-past	705.00
S-3784	Edward D. & Carroll Sultan	12/02/63-12/01/83	Lot 22, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 20	19.481	A-past	730.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3786	George & Hazel K. Ilae	12/05/63-12/04/93	Lot 6, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 37	4.630	A-agr	500.00
S-3787	William N. K. & Mary Y. Y. Kamai, Jr.	12/02/63-12/01/93	Lot 7, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 38	3.536	A-agr	245.00
S-3789	Shirley May Sumic	12/05/63-12/04/93	Lot 42, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 05	1.146	A-agr	380.00
S-3792	Elizabeth Heavey & Eleanor Kaleimomi McLellan	12/05/63-12/04/93	Lot 45, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 01	1.100	A-agr	380.00
S-3793	Robert L. & Anna K. Ham	12/02/63-12/01/93	Lot 18-A, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 06	6.490	A-agr	950.00
S-3794	Charles E. & Barbara H. Wolf	12/02/63-12/01/93	Lot 18-B, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 05	5.744	A-agr	700.00
S-3854	Stewart L. & Arla Wagers Wade	8/10/64-8/09/84	Lot 47, Waimanalo Agr. Subd., Koolaupoko	4-1-26: 18	5.492	A-agr	550.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64-8/09/84	Lot 9, Waimanalo Farm Lots, Koolaupoko	4-1-24: 23	9.474	A-agr	570.00
S-3858	Warren Q. K. Yee & Ellen S. P. Yee	8/10/64-8/09/84	Lot 8, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 39	3.662	A-agr	510.00
S-3859	Harry N. & Irene M. Okabe	8/10/64-8/09/84	Lot 56-A & 56-B, Waimanalo Farm Lots, Koolaupoko	4-1-25: 22 & 23	8.923	A-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	A-agr	640.00
S-3861	Barbara Ruth Malouff & Norma Renee Taliaferro	8/10/64-8/09/84	Lot 33, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 16	20.056	A-past	900.00
S-4007	B & G Enterprises	9/12/66-9/11/86	Lots 23 & 24, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 23 & 24	34.538	A-agr	1,000.00
S-4008	Walter F. L. Chong & Evelyn Z. Chong	9/12/66-9/11/86	Lot 38, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 14	20.395	A-agr	960.00
S-4009	Roy M. Shiraki	9/12/66-9/11/86	Lot 28, Waimanalo Farm Lots, Koolaupoko	4-1-25: 54	9.454	A-agr	800.00
S-4010	Charles D. Lake	9/12/66-9/11/86	Lot 67, Waimanalo Farm Lots, Koolaupoko	4-1-18: 40	7.021	A-agr	1,030.00
S-4011	Thomas R. Beveridge & Matsuko Beveridge	9/12/66-9/11/96	Lot 43, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 04	1.032	A-agr	420.00
S-4093	Victor & Harriet Towne Gega	3/20/67-3/19/97	Lot 44, Waimanalo Agr. Subd., Koolaupoko	4-1-27: 02	1.002	A-agr	450.00
S-4095	Olomana Golf Links, Inc.	5/04/67-5/03/2007	Waimanalo, Koolaupoko	4-1-13: 10	129.859	U-bus	16,500.00
S-4101	Foremost Dairies-Hawaii, Ltd.	7/20/67-7/19/97	Lot 50, Waimanalo Agr. Subd., Koolaupoko	4-1-08: 80	195.810	A-agr	8,100.00
S-4133	Henry A. Gomes & Betty Jo Gomes	10/26/67-10/25/87	Lot 49, Waimanalo Agr. Subd., Koolaupoko	4-1-26: 15	8.450	A-agr	2,000.00
S-4296	H. William & Jo Ann Goebert	3/12/70-3/11/90	Lot 17, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 07	11.001	A-agr	2,010.00
S-4297	Frederick A. Wong & Thomas Tengan	3/12/70-3/11/90	Lot 19, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 04	14.054	A-agr	4,400.00
S-4298	Rosehill & Titcomb	3/12/70 3/11/90	Lot 20, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 03	15.587	A-agr	3,600.00
S-4305	Francis Y. Yoshida	5/19/70-5/18/2035	Waimanalo, Koolaupoko	4-1-10: 74	.049	A-r/w	3.30
S-4321	The Valiants	9/24/71-9/23/2036	Lot 41, Waimanalo Agr. Subd., Koolaupoko	4-1-10: 02	20.062	A-ele	120.00
S-4342	HCHA-Waimanalo Apartments	12/22/71-12/21/2046	Parcel A, Por. Gov't. Crown Land	4-1-08: Por.	3.536	U-ele	1.00 Full term



FOURTH LAND DISTRICT

Island of Kauai

GENERAL LEASES SUMMARY, FOURTH LAND DISTRICT as of June 30, 1972

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture	335.725	$ 11,569.20	42
Business	45.933	57,769.00	21
Cane*	10,202.247	436,745.00	4
County	13.577	—	3
Eleemosynary	30.854	360.00	3
Federal	470.470	601.00	5
Fishpond	—	—	—
Industrial	31.692	18,283.47	4
Pasture	10,798.419	29,821.47	35
Pineapple	—	—	—
Recreational	6.567	305.00	2
Residential	113.100	11,878.00	119
Rights of way	138.365	2,749.00	15
State Agencies	—	—	—
Waste	11,724.361	—	1
Water Licenses, etc.	131.250	98,400.00	3
TOTAL	34,042.560	$668,481.14	257

*Includes contributory lands

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
3451	Shigeru Miyasato	7/16/53-7/15/74	Kapaa, Kawaihau	4-6-08: Par. B	.010	U-r/w	12.00
3452	Mabel C. Lai	7/16/53-7/15/74	Kapaa, Kawaihau	4-6-28	.030	U-r/w	12.00
3548	Seichi Hoashi	8/21/56-8/20/77	Kalaheo, Kona	2-3-09: 12, 13 & 14	33.120	A-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	43.920	A-past	240.00
3558	Katherine V. Molale	8/21/56-8/20/77	Lot 61-A, Anahola Lots, Koolau	4-8-10: 04	.230	U-res	36.00
3560	Antone Martin, Jr.	8/21/56-8/20/77	Kuwaawaa Pasture Res., Kalaheo	2-4-03: 01	183.000	A-past	375.00
3577	Kilauea Sugar Co., Ltd.	1/01/59-12/31/79	Kapaa, Hanalei	5-1-01: 01	7.120	C-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	7.340	A-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	A-past	537.85
S-3627	Toshiharu Yama & Richard C. Nagao	3/15/61-3/14/73	Wailua, Lihue	3-9-02: 17	9.960	A-agr	200.00
S-3628	Vernon K. White	3/15/61-3/14/76	Lots 11-16, Anahola Beach Lots, Koolau	4-8-13: 16	2.850	A-agr	100.00
S-3629	Subramuniya Yoga Order	3/15/61-3/14/86	Adj. to Lot 30, Wailua Homesteads, Puna	4-2-02: Por. 01	2.960	C-rec	180.00
S-3641	William K. Medeiros	8/08/61-8/07/81	Lots 47-A & 47-B, Omao Homesteads, Koloa	2-7-04: 11 & 12	6.075	A-past	180.00
S-3645	Masao Takatsuki	5/11/61-5/10/81	Par. 2, Wailua Pasture Lands, Puna, Kawaihau	4-5-09: 05	8.970	A-past	251.00
S-3646	Samuel Thronas	5/11/61-5/10/81	Por. Gov't. land of Wailua, Puna	4-1-09: 02	25.670	A-past	400.00
S-3649	Francis M. F. Ching & Michael J. K. Ching	5/11/61-5/10/91	Lot 28, Lawai Homesteads, Koloa	2-5-05: 04, 05 & 06	7.540	A-past	421.00
S-3650	August Aguiar	7/09/61-7/08/91	Lot 5-B, Kapaa Rice & Kula Lots, Kapaa, Puna	4-5-05: 06	1.871	A-agr	180.00
S-3651	Harrison Kaui Johnson	7/09/61-7/08/81	Lot 34, Kapaa Homesteads, 1st Series, Puna	4-6-04: 13	5.750	A-past	435.00
S-3665	Richard Vidinha	10/16/61-10/15/81	Lots 15 & 16, Lawai Homesteads, Kona	2-6-01	16.450	A-past	48.00
S-3666	William & Evelyn Fernandes	10/16/61 10/15/91	Lots 33, 34, 35 & 36, & 36-A, 38 & 39, Hanalei Homesteads, Halelea	5-4-02	13.640	A-agr	175.00
S-3667	Tsutao Okasako	9/01/61-8/31/81	Lot 173, Kapaa Homesteads, 3rd Series, Kawaihau, Puna	4-6-08	27.400	A-agr	650.00
S-3671	Kazuo Takanishi & Donald R. Bourassa dba Kokee Lodge	4/14/61-4/13/81	Kokee State Park, Waimea	1-4-01 1-4-04	3.180	U-bus	276.00
S-3674	William E. Fernandes	12/18/61-12/17/86	Lot 25, Wailua Rice & Kula Lots, Kawaihau, Puna	4-2-03	4.406	U-bus	250.00
S-3675	Hiromu & Toneyo Choriki	2/15/62-2/14/83	Lot 82, Hanapepe Town Lots, Waimea	1-9-10	.370	U-res	600.00
S-3676	Manuel S. Andrade	2/15/62-2/14/82	Tract 2-A, Hanapepe Valley, Kona, Waimea	1-8-05: 01	46.250	A-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	3.700	A-past	48.00
S-3679	William K. Lemn	12/18/61-12/17/91	Lot 66, Anahola Lots, Koolau	4-8-08	.510	U-res	240.00
S-3680	Lihue Plantation Co., Ltd.	12/18/61-12/17/86	Lot 44, Wailua Rice & Kula Lots, Wailua, Puna	3-9-02: 09	5.400	A-agr	220.00
S-3690	Manuel S. Andrade	1/27/62-1/26/82	Pasture Reserve "C", Kalaheo Homesteads, 2nd Series, Kona	2-3-07	32.546	A-past	367.48
S-3691	Joseph S. Brun	3/27/62-3/26/82	Lots A & B, w/ easement 1, Weliweli, Koloa, Kona	2-8-22	73.258	A-past	264.14
S-3692	August Aguiar	1/27/62-1/26/82	Lot 1, Kapaa Agr. Lots, Kawaihau, Puna	4-3-04	66.280	A-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	4.037	A-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	7.826	A-agr	190.00
S-3704	James K. Oshita	6/01/62-5/31/82	Lots 11 & 12, Anahola Lots, Kawaihau, Koolau	4-8-11	2.420	A-agr	51.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3705	Manuel S. Andrade	5/02/61-5/01/82	Lot 22, Wailua Rice & Kula Lots, Wailua, Lihue, Puna	3-9-04	8.280	A-past	200.00
S-3706	Waimea Sugar Mill Co., Ltd.	5/02/62-5/01/82	Lot 61, Gov't. Remnant of Ili of Halelopo, Waimea Valley, Kona	1-5-03: 13	7.410	A-cane	45.00
S-3707	Manuel Andrade, Jr.	7/01/62-6/30/82	Tract 1, Hanapepe Valley Pasture land, Waimea Kona	1-8-05	45.242	A-past	198.00
(D) S-3711	County of Kauai	11/15/62-11/14/2027	Hanapepe, Waimea Kona	1-9-03 1-9-04 1-9-11 1-9-12	10.426	A-cty	Gratis
(D) S-3713	County of Kauai	11/15/62-11/14/2027	Abandoned WW II Underground Tunnel, Puuopae, Waimea, Kekaha & Hanapepe Valley	1-2-01 & Por.01 1-8-07 & Por. 03		A-cty	Gratis Gratis
S-3733	Konko Kyo Church	2/25/63-2/24/92	Lot 5, Hanapepe Rice & Kula Lots, Hanapepe, Kona	1-9-12: 13	1.840	A-ele	240.00
S-3734	Tokiwa Shimonishi	2/25/63-2/24/83	Lot 54-A, Hanapepe Town Lots, Waimea, Kona	1-9-10: 37	.100	U-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	7.221	A-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: 04 & 06 4-8-13: 13	3.090	A-past	122.00
S-3737	Island Holidays, Ltd.	2/25/63-2/24/83	Wailua, Kawaihau, Puna	4-1-03: 05 & 15 4-1-04: 06	15.689	U-bus	1,500.00
(D) S-3795	Hawaiian Telephone Co.	11/26/63-11/25/2013	Hanapepe & Puu Ka Pele, Waimea, Kona	1-9-03: 01 1-4-01: 02	1.042	A-r/w	172.00
S-3797	Richard & Concepcion Vidinha	11/25/63-11/24/88	Kalaheo Pasture Reserve B, Kalaheo Homesteads, 2nd Series, Koloa	2-3-09: 15 & 16	9.850	A-past	60.00
S-3798	George B. Fernandes	11/26/63-11/25/83	Por. Wailua, Kawaihau, Puna	4-1-09	13.227	A-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	2.430	A-agr	97.20
S-3800	Noburo Munechika	1/25/64-1/24/84	Lots 11 & 14, Hanapepe Rice & Kula Lots, Waimea	1-9-02	2.930	A-agr	355.00
S-3801	Clarence K. Nonaka	1/25/64-1/24/84	Lot 22, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01	7.660	A-agr	150.00
S-3802	Hanako A. Duarte	1/25/64-1/24/84	Lot 24, Hanapepe Rice & Kula Lots, Waimea, Kona	1-9-01	6.100	A-agr	725.00
S-3803	Yuku Ishida	1/25/64-1/24/74	Lot 83, Anahola Lots, Kawaihau, Koolau	4-8-03: 16	1.330	A-agr	90.00
S-3804	Toraji & Chuichi Oshima	11/26/63-11/25/83	Lot 68, Anahola Lots, Kawaihau, Koolau	4-8-06 4-8-07	1.357	A-agr	256.00
S-3814	Olokele Sugar Co., Ltd.	4/13/64-4/12/84	Sections A, B, C, D, Hanapepe, Waimea, Kona	1-8-06 1-8-07 1-8-08	1,887.050	A-cane	37,900.00
S-3815	Joseph S. Brun & Joseph Rita	6/12/64-6/11/84	Section E, Hanapepe, Waimea, Kona	1-8-06	287.130	A-past	810.00
S-3827	East Kauai Water Co., Ltd.	5/11/64-5/10/94	Drainage Basins of North Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelea			C-wtr	90,000.00
S-3828	Lihue Plantation Co., Ltd.	5/11/64-5/10/94	Por. Moloaa For. Res., Kapaa, Moloaa, Kawaihau	4-9-10	125.000	C-wtr	2,400.00
S-3829	Chiyeko K. Yoshii & Robert A. Lemn	5/11/64-5/10/84	Lots 54, 55, 67 & Por. 65, pors. abandoned Maia Rd. & Lihue Plantation r/r r/w	4-8-07 4-8-08	4.642	A-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	2.214	A-agr	70.00
S-3831	Kauai Resort Hotel	5/18/64-5/17/2019	Lot A-2, Parts 1 & 2, Wailua Resort Site, Lihue	3-9-06: 16	2.497	U-bus	10,500.00
S-3832	Ichiji & Masako Matsumura	5/18/64-5/17/2019	Por. Kapaa, Kawaihau	4-5-11 4-5-12	.593	U-bus	1,890.00
S-3840	Kauai Resort Hotel, Inc.	7/06/64 7/05/2029	Lot A-1, Wailua Resort Site, Wailua	3-9-06: 16	6.093	U-bus	18,000.00
S-3842	Bank of Hawaii	7/06/64-7/05/94	Lots 88-A & 88-B, Hanapepe Town Lots, Waimea	1-9-05	.452	U-bus	1,500.00
(D) S-3852	U.S.A. (Navy)	8/20/64-8/19/2029	Bonham A.F.B., Waimea (Kona)		189.557	U-fed	1.00
(D) S-3863	Kauai County, Y.W.C.A.	4/01/65-3/31/2020	Lots 24 & 25, Por. Waimea & Kokee Park	1-4-04	3.607	C-rec	125.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3876	Kilauea Sugar Co., Ltd.	1/11/65-1/10/85	Former Koolau Sch. Lot, Hanalei	5-1-03: 01	1.990	A-agr	50.00
S-3877	John M. Shimonishi	1/11/65-1/10/85	Lot 6-A, Hanapepe Rice & Kula Lots, Hanapepe Valley, Waimea, Kona	1-9-12: 11	.950	A-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	A-agr	300.00
(D) S-3879	Kauai Electric Co., Ltd.	1/11/65-1/10/2030	Hanapepe Transformer Site, Waimea	1-8-08: 35	.017	U-r/w	26.00
S-3880	Olaf E. Thronas	1/11/65-1/10/85	Lots 32 & 33, Wailua Rice & Kula Lots, Wailua, Kawaihau	3-9-03: 05 & 10	13.830	A-past	120.00
S-3881	Samuel K. Thronas	2/09/65-2/08/85	Wailua Rice & Kula Lots, Wailua, Kawaihau	4-2-03: 03	19.405	A-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: 08	.360	U-res	100.00
S-3883	Charles B. Shimomura	1/11/65-1/10/85	Lot 58-A, Hanapepe Town Lots, 1st Series, Waimea	1-9-10: 33	.181	U-bus	350.00
S-3884	Kauai Kai, Inc.	1/11/65-1/10/2020	Lot 12, Nawiliwili Harbor Lots, Lihue	3-2-04: 09	.785	U-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: 05	3.080	A-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: 01, 03 & 04	12.300	A-agr	501.00
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	6.150	A-agr	180.00
S-3893	Koon Chow Lai	1/25/65-1/24/85	Lots 15 & adj. Gov't. land, Wailua Rice & Kula Lots, Wailua, Kawaihau	4-1-01:07 & 10	16.850	A-agr	280.00
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	7.300	A-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	.100	U-bus	240.00
(D) S-3911	Kauai Electric Co.	4/14/65-4/13/2030	Por. Wailua, N. Olohena, Waipouli, Lihue, Kawaihau & Puna	3-9-01 4-2-01 4-4-01 4-4-04	26.420	A-r/w	515.00
S-3914	Manuel Andrade, Jr.	4/14/65-6/30/82	Lot 26, Hanapepe Rice & Kula Lots, Hanapepe	1-8-05: 02	7.930	A-past	45.00
(D) S-3917	U.S.A.	2/01/65-1/21/2030	Kokee Pacific Missile Range Facility, Waimea		22.900	C-fed	600.00
(D) S-3928	U.S.A.	9/01/65-8/31/2030	Kokee, Waimea		8.450	C-fed	Gratis
(D) S-3937	County of Kauai	11/01/65-10/31/2030	Parcels, A-1, G, H, I, J & K, Hanapepe, Waimea	1-9-04 1-9-07	3.151	U-cty	Gratis
S-3939	Pacific Hawaii Fruit Co., Inc.	12/16/65-12/15/85	Kapaa Homesteads, 1st Series, Kapaa, Kawaihau	4-6-05: 07	4.750	A-agr	250.00
S-3940	McBryde Sugar Co., Ltd.	11/16/65-11/15/2030	Por. Hanalei, Wailua & Kalaheo	5-3-01 4-2-01 2-4-01 5-4-01 2-3-01 2-3-02 2-3-03 2-3-12 3-9-01 3-9-02	74.380	A-r/w	925.00
S-3941	Rehabilitation Unlimited, Kauai	11/16/65-11/15/2020	Parcel B, Wailua Coconut Grove, Wailua, Kawaihau (Puna)	4-1-03: 18 & 20	.813	U-bus	220.00
S-3942	Kauai Kai, Inc.	11/16/65-11/15/2020	Lots 10-A & 11-A, Nawiliwili Harbor Lots, Lihue	3-2-04: 10 & 13	.697	U-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	1.140	A-agr	36.00
S-3944	Pacific Hawaii Fruit Co., Inc.	11/16/65-11/15/85	Lots 40-A, 64 & 65, Kapaa, Kawaihau (Puna)	4-6-08: 35	3.995	A-agr	57.00
S-3945	Leroy K. A. Aguiar	12/16/65-12/15/2000	Lot 35, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-05: 11	4.110	A-agr	600.00
(D) S-3952	U.S.A. (Navy)	12/17/65-12/16/2030	Waimea		248.220	C-fed	Gratis

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
S-3955	Joseph Prigge	3/19/66-3/18/86	Lots 39-A & 52, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-05: 05 & 12	2.600	A-agr	48.00
S-3956	Pacific Hawaii Fruit, Co., Ltd.	3/19/66-3/18/2001	Lots 39-A, 49 & 50, Kapaa Homesteads, 1st Series, Kawaihau (Puna)	4-6-05: 02 & 03	4.410	A-agr	150.00
S-3957	Joseph Julian & Eleanor L. De Costa	2/17/66-2/16/2031	Kalaheo, Koloa (Kona)	2-3-02: Por. 43	.025	A-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	9.500	A-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: 09	25.710	A-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: 02 & 20	6.983	A-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	U-bus	600.00
S-3970	Manuel Andrade, Jr.	5/26/66-5/25/86	Por. Lots 27 & 28 & Lots 29 to 34, Hanapepe Rice & Kula Lots, Waimea (Kona)	1-8-05: 08	22.650	A-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	.666	A-r/w	20.00
S-3972	Pacific Hawaii Fruit Co., Inc.	5/26/66-5/25/86	Por. betwn. Kapaa Stream & Kapaa Homesteads, 1st & 3rd Series, Kawaihau (Puna)	4-6-08: 23 & 24	33.00	A-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	A-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	5-4-02: 26, 27 & 30	13.070	A-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: 01 & 13	26.720	A-agr	300.00
S-3976	Pacific Hawaii Fruit Co., Inc.	5/26/66-5/25/86	Lots 8, 8-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	A-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: 07	.158	U-bus	248.00
S-3987	Peter H. & Helen H. Souza	8/01/68-7/31/88	Lot 2-A, Kapaa Rice & Kula Lots, Kawaihau (Puna)	4-5-15: 29	.987	A-past	126.00
S-3988	Joseph Texeira	7/14/66-7/13/86	Por. Kapaa Homesteads, 1st Series, Kawaihau	4-6-03: Por. 22, 23, 33 & 35	18.110	A-agr	500.00
S-3989	Ronald T. Matsumura & Harry Fukushima	8/13/66-8/12/86	Por. Kapaa Homesteads, 1st Series, Kawaihau	4-6-05: 10	6.240	A-agr	800.00
S-3991	Ernest Palmeira	7/14/66-7/13/86	Por. Kapaa Homesteads, 1st Series, Kawaihau	4-6-03: 01 & 02	15.560	A-past	120.00
S-3992	A. Duncan MacLean	7/14/66-7/13/2031	Por. Lawai, Koloa	2-5-02: 16	.037	A-r/w	18.00
S-3993	Ichiji Matsumura & Masako Matsumura	7/14/66-7/13/2001	Por. Kapaa Homesteads, 1st Series, Kawaihau	4-6-05: 09	3.000	A-agr	630.00
S-3994	Joseph Texeira	7/14/66-7/13/86	Por. Kapaa Homesteads, 1st Series, Kawaihau	4-6-03: 04, 09, 10, 11, 14, 15, 19, 20 & 21	14.090	A-agr	801.00
S-3995	Peter H. Souza & Helen H. Souza	7/14/66-7/13/86	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15: 08	10.562	A-agr	240.00
S-4021	Manuel J. Fernandes	11/17/66-11/16/86	Spring Res., Kalaheo, Koloa	2-4-01: 05 2-4-02: 01	1.760	A-past	48.00
(D) S-4022	Hawaiian Telephone Co.	11/17/66-11/16/2031	Por. Kapaa Rice & Kula Lots, Kawaihau	4-5-15: Por. 08	.156	A-r/w	6.00
S-4023	Tetsuro Maeda & Yoshio Hiranaka, dba T & Y	11/17/66-11/16/2021	Lot 9, Nawiliwili Harbor Lots, Lihue	3-2-04: 11	.618	U-bus	1,200.00
(D) S-4030	Henry I. & Margaret K. Nosaka & Wallace K. & Mikie N. Karimoto	1/01/66-12/31/75	Lot 4, Puu Ka Pele, Waimea	1-4-02: 30	.730	C-res	89.00
(D) S-4031	William Alexander, Benjamin Alexander & Henry Alexander	1/01/66-12/31/85	Lot 6, Puu Ka Pele, Waimea	1-4-02: 28	.920	C-res	118.00
(D) S-4033	Lawrence & Daisy Vidinha	1/01/66-12/31/85	Lot 16, Puu Ka Pele, Waimea	1-4-02: 21	.900	C-res	103.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-4034	G. M. Coney, William H. Coney, Harvey A. Hutton, Malcolm G. Hutton & Clarrissa G. Gerdes	1/01/66-12/31/85	Lot 23, Puu Ka Pele, Waimea	1-4-02: 46	.790	C-res	101.00
(D) S-4035	Richmond Garrett & Florence	1/01/66-12/31/85	Lot 24, Puu Ka Pele, Waimea	1-4-02: 13	.990	C-res	107.00
(D) S-4036	Bishop Trust Co., Ltd. Trustee for Elizabeth Middleton & Barbara H. Davis	1/01/66-12/31/85	Lot 26, Puu Ka Pele, Waimea	1-4-02: 05	1.070	C-res	144.00
(D) S-4037	George K. Yamamoto & Katherine K. J. Yamamoto	1/01/66-12/31/85	Lot 30, Puu Ka Pele, Waimea	1-4-02: 22	.910	C-res	104.00
(D) S-4038	Richard Vierra & Kathleen Vierra, Joseph Vierra & Clara Vierra	1/01/66-12/31/85	Lot 38, Puu Ka Pele, Waimea	1-4-02: 43	1.030	C-res	125.00
(D) S-4039	Bert O. Wade & Marion C. Wade	1/01/66-12/31/85	Lot 52, Puu Ka Pele, Waimea	1-4-02: 52	1.030	C-res	118.00
(D) S-4040	Beverly P. Brun & Violet V. Prigge	1/01/66-12/31/80	Lot 53, Puu Ka Pele, Waimea	1-4-02: 53	1.030	C-res	111.00
(D) S-4041	Joseph DeCosta, Sr. & Jean E. Nadatani	1/01/66-12/31/85	Lot 59, Puu Ka Pele, Waimea	1-4-02: 59	1.010	C-res	116.00
(D) S-4042	Manuel B. & Katherine Martin	1/01/66-12/31/85	Lot 60, Puu Ka Pele, Waimea	1-4-02: 60	1.010	C-res	121.00
(D) S-4043	Hawaiian Association of Seventh-Day Adventists	1/01/66-12/31/85	Lot 56, Puu Ka Pele, Waimea	1-4-02: 56	1.110	C-res	127.00
(D) S-4044	Manuel Rivera & Mary B. Rivera	1/01/66-12/31/80	Lot 62, Puu Ka Pele, Waimea	1-4-02: 62	1.050	C-res	114.00
(D) S-4045	Tsukasa Miyake & Mitsuyo U. Miyake	1/01/66-12/31/80	Lot 63, Puu Ka Pele, Waimea	1-4-02: 63	.900	C-res	109.00
(D) S-4046	Joaquin S. Arruda & Lucy C. Arruda	1/01/66-12/31/85	Lot 71, Puu Ka Pele, Waimea	1-4-02: 68	1.120	C-res	129.00
(D) S-4047	Ah Wo Ahana & Hatsue Ahana, Calvin Tokita & Phylis Tokita	1/01/66-12/31/85	Lot 72, Puu Ka Pele, Waimea	1-4-02: 69	1.080	C-res	124.00
(D) S-4048	Valdemar Knudsen & Helen L. Knudsen	1/01/66-12/31/75	Lots 2 & 3, Kokee Camp Site, Waimea	1-4-03: 01 & 02	4.200	C-res	271.00
(D) S-4049	Charles T. & Alice J. Wallis	1/01/66-12/31/80	Lot 4, Kokee Camp Site, Waimea	1-4-03: 14	1.100	C-res	86.00
(D) S-4050	William A. & Marjorie I. Thiis	1/01/66-12/31/80	Lot 5, Kokee Camp Site, Waimea	1-4-03: 16	.980	C-res	81.00
(D) S-4051	John F. & Gay Lee Bylander	1/01/66-12/31/85	Lot 6, Kokee Camp Site, Waimea	1-4-03: 04	.960	C-res	85.00
(D) S-4052	John S. & Helen E. Sheehan	1/01/66-12/31/75	Lot 7, Kokee Camp Site, Waimea	1-4-04: 05	.810	C-res	62.00
(D) S-4053	Charles A. & Rebecca R. Harker	1/01/66-12/31/80	Lot 9, Kokee Camp Site, Waimea	1-4-04: 06	.790	C-res	68.00
(D) S-4054	Hans W. & Anna J. Hansen	1/01/66-12/31/80	Lot 11, Kokee Camp Site, Waimea	1-4-04: 07	1.470	C-res	109.00
(D) S-4055	Hong Min & Violet C. L. Hee	1/01/66-12/31/80	Lot 12, Kokee Camp Site, Waimea	1-4-04: 12	2.000	C-res	197.00
(D) S-4056	W. Harwood Danford & Harwood Danford Williamson	1/01/66-12/31/80	Lot 15, Kokee Camp Site, Waimea	1-4-04: 13	1.820	C-res	140.00
(D) S-4057	Howard D. Briner & Norma Briner	1/01/66-12/31/75	Lots 17 & 18, Kokee Camp Site, Waimea	1-4-04: 38	1.660	C-res	126.00
(D) S-4058	Leonard H. & Alma B. Zalopany	1/01/66-12/31/80	Lot 29, Kokee Camp Site, Waimea	1-4-04: 21	.710	C-res	53.00
(D) S-4059	John C. & Dorothy Ann F. Hance	1/01/66-12/31/85	Lot 30, Kokee Camp Site, Waimea	1-4-04: 20	.840	C-res	73.00
(D) S-4060	Patricia Smith Rice	1/01/66-12/31/75	Lots 31 & 32, Kokee Camp Site, Waimea	1-4-04: 19	1.900	C-res	138.00
(D) S-4061	Juliet Rice Wichman	1/01/66-12/31/80	Lot 33, Kokee Camp Site, Waimea	1-4-04: 18	.680	C-res	51.00
(D) S-4062	John H. R. Plews	1/01/66-12/31/80	Lot 34, Kokee Camp Site, Waimea	1-4-04: 17	1.010	C-res	78.00
(D) S-4063	Edith Rice Plews	1/01/66-12/31/80	Lots 35 & 36, Kokee Camp Site, Waimea	1-4-04: 16	1.460	C-res	126.00
(D) S-4064	Satoru Kudaishi & Jean M. Kudaishi	1/01/66-12/31/80	Lot 39, Kokee Camp Site, Waimea	1-4-04: 06	.770	C-res	54.00
(D) S-4065	George R. Ewart, III	1/01/66-12/31/80	Lots 42 & 44, Kokee Camp Site, Waimea	1-4-04: 03 & 04	1.440	C-res	143.00
(D) S-4066	Kenneth Roberts & Catherine K. Harding	1/01/66-12/31/75	Lot 46, Kokee Camp Site, Waimea	1-4-04: 10	1.110	C-res	77.00
(D) S-4067	Sterling E. & Bonnie C. Dunford & William S. Dunford	1/01/66-12/31/80	Lot 47, Kokee Camp Site, Waimea	1-4-04: Por. 03	1.210	C-res	84.00
(D) S-4068	Lindsay A. & Roberta I. Faye	1/01/66-12/31/80	Lot 50, Kokee Camp Site, Waimea	1-4-03: 11	.800	C-res	69.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-4069	Alfred J. & Elizabeth K. Toulon & Wilfred J. & Anne K. Baldwin	1/01/66-12/31/85	Lot 52, Kokee Camp Site, Waimea	1-4-03: 03	.950	C-res	83.00
(D) S-4070	Ritchie A. & Mary M. B. Gentry	1/01/66-12/31/80	Lot 53, Kokee Camp Site, Waimea	1-4-04: 44	1.440	C-res	108.00
(D) S-4071	Kathryn T. Dinham	1/01/66-12/31/80	Lot 64, Kokee Camp Site, Waimea	1-4-04: 40	1.070	C-res	85.00
(D) S-4072	John Rapozo, Jr. & Norman Rapozo	1/01/66-12/31/85	Lot 68, Kokee Camp Site, Waimea	1-4-04: 45	.290	C-res	25.00
(D) S-4073	George G. & Mary D. C. Silva	1/01/66-12/31/75	Lot 71, Kokee Camp Site, Waimea	1-4-04: 62	.530	C-res	39.00
(D) S-4074	Edwin T. & Hong Lin W. Petteys & Edwin O. P. Petteys & Lottie K. L. P. Wolff & Charles Q. S. Petteys	1/01/66-12/31/80	Lot 72, Kokee Camp Site, Waimea	1-4-04: 68	.560	C-res	40.00
(D) S-4075	Richard & Concepcion Vidinha	1/01/66-12/31/80	Lot 81, Kokee Camp Site, Waimea	1-4-04: 60	.550	C-res	43.00
(D) S-4076	Frank & Miriam G. Rita	1/01/66-12/31/80	Lot 84, Kokee Camp Site, Waimea	1-4-04: 55	.670	C-res	53.00
(D) S-4077	Joseph & Violet Rita	1/01/66-12/31/80	Lot 85, Kokee Camp Site, Waimea	1-4-04: 58	.790	C-res	56.00
(D) S-4078	Martin & Janine F. Reis	1/01/66-12/31/85	Lot 90, Kokee Camp Site, Waimea	1-4-04: 47	.440	C-res	33.00
(D) S-4079	Donald L. & Sue R. Plucknett	1/01/66-12/31/80	Lot 91, Kokee Camp Site, Waimea	1-4-04: 48	.580	C-res	47.00
(D) S-4080	Ichiro Okada & Elsie H. Okada	1/01/66-12/31/80	Lot 92, Kokee Camp Site, Waimea	1-4-04: 49	.530	C-res	43.00
(D) S-4081	William R. Warren	1/01/66-12/31/80	Lot 8 & 37, Kokee Camp Site, Waimea	1-4-04: 14 & 15	1.200	C-res	83.00
(D) S-4082	Nelson K. Hardenbergh	1/01/66-12/31/80	Lot 10, Kokee Camp Site, Waimea	1-4-03: 09	1.420	C-res	105.00
(D) S-4083	Kenji Ego & Winifred S. L. Ego	1/01/66-12/31/85	Lot 20 & 21, Kokee Camp Site, Waimea	1-4-04: 35	.930	C-res	72.00
(D) S-4084	Kathryn Hulme & Marie L. Habets	1/01/66-12/31/80	Lot 22, Kokee Camp Site, Waimea	1-4-04: 13	.510	C-res	35.00
(D) S-4085	Melvin P. Christian & Annie K. Christian	1/01/66-12/31/85	Lot 27, Kokee Camp Site, Waimea	1-4-04: 30	.650	C-res	55.00
(D) S-4086	Wilson M. Pang & Alice A. Pang	1/01/66-12/31/85	Lot 38, Kokee Camp Site, Waimea	1-4-04: 43	.900	C-res	69.00
(D) S-4087	Estate of Mina M. Marcellino	1/01/66-12/31/75	Lot 41, Kokee Camp Site, Waimea	1-4-04: 07	.620	C-res	46.00
(D) S-4088	John R. Laidlaw & Marguerite G. Laidlaw	1/01/66-12/31/80	Lot 43, Kokee Camp Site, Waimea	1-4-04: 08	.690	C-res	48.00
(D) S-4089	Glenn C. & Linda Stater	1/01/66-12/31/85	Lot 45, Kokee Camp Site, Waimea	1-4-04: 09	1.320	C-res	86.00
(D) S-4090	Arthur R. & Lois L. Glaisyer	1/01/66-12/31/80	Lot 54, Kokee Camp Site, Waimea	1-4-04: 12	.400	C-res	35.00
(D) S-4091	Joe T. Orrick & Betty W. S. Orrick	1/01/66-12/31/85	Lot 55, Kokee Camp Site, Waimea	1-4-04: 11	.310	C-res	29.00
S-4092	Samuel K. Thronas	2/16/67-2/15/2002	Parcels A & B, Wailua Game Res., N. & S. Olohana, Waipouli, Kapaa, Kawaihau	4-2-91: 01 4-4-01: 01	1,855.000	A-past	2,030.00
(D) S-4128	Boy Scouts of America, Aloha Council	12/01/67-11/30/2022	Waimea Canyon Park Waimea (Kona)	1-4-01	29.000	C-ele	120.00
(D) S-4132	F. W. Broadbent, Dora B. Pratt & Alice B. Crabbe	1/01/66-12/31/75	Lot 7, Puu Ka Pele, Waimea	1-4-02: 29	1.020	C-res	117.00
S-4135	McBryde Sugar Co.	11/29/67-11/28/2032	Waimea (Kona)	1-9-03	1.710	A-r/w	26.00
S-4140	W. & N. Corp.	2/14/68-2/13/2023	Lihue (Puna)	3-9-04: 02	22.160	U-ind	8,688.00
(D) S-4142	Hawaii Conference, United Church of Christ	1/01/66-12/31/85	Lot 56, Kokee Camp Site, Waimea	1-4-04: 27	.500	C-res	35.00
(D) S-4143	J. Albert & Ruth W. Roesch	1/01/66-12/31/80	Lot 58, Kokee Camp Site, Waimea	1-4-04: 24	1.030	C-res	89.00
(D) S-4144	Donn A. Carswell & Gala F. Carswell	1/01/66-12/31/85	Lot 61, Kokee Camp Site, Waimea	1-4-04: 28	1.000	C-res	69.00
(D) S-4145	Kenneth T. & Claire T. Perreira	1/01/66-12/31/75	Lot 65, Kokee Camp Site, Waimea	1-4-04: 36	.830	C-res	64.00
(D) S-4146	Manuel S. Andrade, Jr. & Mae Andrade	1/01/66-12/31/75	Lot 66, Kokee Camp Site, Waimea	1-4-04: 42	.700	C-res	49.00
(D) S-4147	Ginevra C. Waterhouse	1/01/66-12/31/80	Lot 67, Kokee Camp Site, Waimea	1-4-04: 41	.500	C-res	35.00
(D) S-4148	August & Elizabeth H. Camara, Manuel & Pearl L. Camara, Ernest & Katherine P. Camara	1/01/66-12/31/80	Lot 69, Kokee Camp Site, Waimea	1-4-04: 49	.500	C-res	41.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-4149	Manuel G. Silva & Placida Y. Silva	1/01/66-12/31/75	Lot 75, Kokee Camp Site, Waimea	1-4-04: 69	.560	C-res	40.00
(D) S-4150	Lillian M. Uchiyama	1/01/66-12/31/85	Lot 86, Kokee Camp Site, Waimea	1-4-04: 59	.580	C-res	43.00
(D) S-4151	Sam H. Tao & Dorothy M. Tao	1/01/66-12/31/80	Lot 87, Kokee Camp Site, Waimea	1-4-04: 52	.590	C-res	46.00
(D) S-4152	Joseph A. Soares & Margaret Soares	1/01/66-12/31/85	Lot 88, Kokee Camp Site, Waimea	1-4-04: 53	.540	C-res	40.00
(D) S-4153	Conrado & Eufemia C. Edayan	1/01/66-12/31/80	Lot 89, Kokee Camp Site, Waimea	1-4-04: 54	.470	C-res	34.00
(D) S-4154	Koichi Ikeda & Asayo I. Ikeda	1/01/66-12/31/80	Lot 93, Kokee Camp Site, Waimea	1-4-04: 50	.420	C-res	36.00
(D) S-4155	William M. Moragne, Jr. & Jean B. Moragne	1/01/66-12/31/85	Lot 1, Puu Ka Pele, Waimea	1-4-02: 31	.970	C-res	112.00
(D) S-4156	Hajime Takanishi & Kimiyo O. Takanishi	1/01/66-12/31/85	Lot 3, Puu Ka Pele, Waimea	1-4-02: 18	.970	C-res	112.00
(D) S-4157	Carlo Panfiglio & Arthur E. Smith	1/01/66-12/31/85	Lot 5, Puu Ka Pele, Waimea	1-4-20: 32	1.130	C-res	122.00
(D) S-4158	Virginia C. Rapozo & Emily C. Souza	1/01/66-12/31/85	Lot 8, Puu Ka Pele, Waimea	1-4-02: 16	1.060	C-res	145.00
(D) S-4159	Hong Shin Hee & Lin Kiy Hee	1/01/66-12/31/85	Lot 10, Puu Ka Pele, Waimea	1-4-02: 41	.990	C-res	107.00
(D) S-4160	Maria K. Cox	1/01/66-12/31/75	Lot 12, Puu Ka Pele, Waimea	1-4-02: 47	.950	C-res	112.00
(D) S-4161	David T. Silver & Adele L. Silver	1/01/66-12/31/75	Lot 13, Puu Ka Pele, Waimea	1-4-02: 20	1.000	C-res	122.00
(D) S-4162	Hawaii Methodist Union	1/01/66-12/31/85	Lot 14, 90, 91, Puu Ka Pele, Waimea	1-4-02:24 & 87	3.050	C-res	371.00
(D) S-4163	Hideo L. Nakamura & Shigeyo O. Nakamura	1/01/66-12/31/80	Lot 15, Puu Ka Pele, Waimea	1-4-02: 23	1.060	C-res	131.00
(D) S-4164	Masako Y. Kitamura & Hisao Munechika	1/01/66-12/31/75	Lot 18, Puu Ka Pele, Waimea	1-4-02: 25	1.050	C-res	121.00
(D) S-4165	Daniel Manus, Sr., & C. Manus	1/01/66-12/31/75	Lot 19, Puu Ka Pele, Waimea	1-4-02: 26	1.030	C-res	120.00
(D) S-4166	Manuel Perreira & Alga H. Perreira	1/01/66-12/31/75	Lot 20, Puu Ka Pele, Waimea	1-4-02: 27	.820	C-res	94.00
(D) S-4167	Wayne Sakai & Dennis M. Sakai	1/01/66-12/31/85	Lot 25, Puu Ka Pele, Waimea	1-4-02: 14	.890	C-res	96.00
(D) S-4168	Marvin A. Brennecke	1/01/66-12/31/85	Lot 27, Puu Ka Pele, Waimea	1-4-02: 04	1.040	C-res	140.00
(D) S-4169	Arthur G. Kruse & Mary T. Kruse	1/01/66-12/31/85	Lot 29, Puu Ka Pele, Waimea	1-4-02: 10	1.000	C-res	121.00
(D) S-4170	Shigeo Nitta & Hisako U. Nitta	1/01/66-12/31/85	Lot 33, Puu Ka Pele, Waimea	1-4-02: 08	.850	C-res	103.00
(D) S-4171	Franklin & Patricia Ventura	1/01/66-12/31/75	Lot 43, Puu Ka Pele, Waimea	1-4-02: 39	1.000	C-res	128.00
(D) S-4172	Max F. Yamasaki & Lillian H. Yamasaki	1/01/66-12/31/85	Lot 44, Puu Ka Pele, Waimea	1-4-02: 40	1.000	C-res	121.00
(D) S-4173	William E. Fernandes & Evelyn P. O. Fernandes	1/01/66-12/31/85	Lot 45, Puu Ka Pele, Waimea	1-4-02: 37	1.130	C-res	122.00
(D) S-4174	William Vierra & Helen S. Vierra	1/01/66-12/31/85	Lot 46, Puu Ka Pele, Waimea	1-4-02: 03	1.120	C-res	129.00
(D) S-4175	James K. & Shizue Okada, Yoshimasa & Edith Fujimura	1/01/66-12/31/85	Lot 47, Puu Ka Pele, Waimea	1-4-02: 34	1.150	C-res	140.00
(D) S-4176	George A. Kruse & Martha S. Kruse	1/01/66-12/31/85	Lot 48, Puu Ka Pele, Waimea	1-4-02: 42	1.000	C-res	128.00
(D) S-4177	Emily K. Zuttermeister	1/01/66-12/31/85	Lot 50, Puu Ka Pele, Waimea	1-4-02: 35	1.010	C-res	116.00
(D) S-4178	Choshi Nakaya & Mitsuyo Y. Nakaya	1/01/66-12/31/85	Lot 51, Puu Ka Pele, Waimea	1-4-02: 51	1.050	C-res	128.00
(D) S-4179	Seichi Yokoyama & Vera Yokoyama	1/01/66-12/31/85	Lot 61, Puu Ka Pele, Waimea	1-4-02: 61	.950	C-res	115.00
(D) S-4180	Richard H. Nagoshi, Wallace K. Tasaka & Yuriko N. Tasaka	1/01/66-12/31/85	Lot 69, Puu Ka Pele, Waimea	1-4-02: 66	.870	C-res	106.00
(D) S-4181	Sutezo Makai & Hatsue I. Makai	1/01/66-12/31/85	Lot 70, Puu Ka Pele, Waimea	1-4-02: 67	.790	C-res	96.00
(D) S-4182	Mervin K. Kaohi, Sr. & Aletha Goodwin Kaohi	1/01/66-12/31/85	Lot 74, Puu Ka Pele, Waimea	1-4-02: 71	.900	C-res	103.00
(D) S-4183	Henry T. Tanaka & Michie S. Tanaka	1/01/66-12/31/85	Lot 76, Puu Ka Pele, Waimea	1-4-02: 73	.960	C-res	104.00
(D) S-4184	Isaac W. Kaiu & Gladys Y. Kaiu	1/01/66-12/31/85	Lot 78, Puu Ka Pele, Waimea	1-4-02: 75	.980	C-res	106.00
(D) S-4185	Alec Blackstad & Agnes L. Blackstad	1/01/66-12/31/85	Lot 82, Puu Ka Pele, Waimea	1-4-02: 79	1.110	C-res	127.00

Lease No.	Lessee	Term of Lease	Location	Tax Map Key	Area (Acres)	Classification & Use	Annual Rental
(D) S-4186	Ichiro Inouye & Akiyo M. Inouye	1/01/66-12/31/85	Lot 83, Puu Ka Pele, Waimea	1-4-02: 81	1.000	C-res	128.00
(D) S-4187	Harry I. Hamada & Agnes K. Hamada	1/01/66-12/31/75	Lot 84, Puu Ka Pele, Waimea	1-4-02: 86	.820	C-res	89.00
(D) S-4188	Lawrence E. Jordan & Cheryl M. Jordan	1/01/66-12/31/75	Lot 89, Puu Ka Pele, Waimea	1-4-02: 85	.990	C-res	107.00
S-4199	Construction Materials Hawaii, Inc.	11/26/68-11/25/78	Waimea (Kona)	1-8-08: 35	5.883	U-ind	5,000.00
S-4200	William E. Fernandes	8/01/68-7/31/2023	Kawaihau (Puna)	4-5-15: Por. 03	2.035	U-ind	825.00
(D) S-4208	Richard O'Neal & Helen Olga Hansen O'Neal	1/01/66-12/31/75	Lot 51, Kokee Camp Site, Waimea	1-4-03: 17	.580	C-res	50.00
(D) S-4213	George R. & Leoncia M. S. Susterich	1/01/66-12/31/75	Lot 79, Kokee Camp Site, Waimea	1-4-04: 63	.540	C-res	41.00
(D) S-4214	Ruth K. Hanner	1/01/66-12/31/85	Lot 9, Puu Ka Pele, Waimea	1-4-02: 45	.720	C-res	89.00
(D) S-4215	Lawrence Goodwin & Annie Goodwin	1/01/66-12/31/75	Lot 35, Puu Ka Pele, Waimea	1-4-02: 15	1.030	C-res	117.00
(D) S-4221	Daniel H. Foster & Dorothea Foster	10/01/68-12/31/80	Lot 54, Puu Ka Pele, Waimea	1-4-02: 54	1.060	C-res	120.00
S-4222	Kekaha Sugar Co., Ltd.	1/01/69-12/31/93	Waimea (including Hawaiian Home Land) (Kona)	1-2-02	7,380.657 927.130 7,801.423 11,724.361 27,833.570	A-cane A-con A-past A-ws	354,300.00 44,500.00 15,000.00 413,800.00
(D) S-4240	University of Hawaii	4/25/69-4/24/84	Wailua, Kawaihau (Puna)	4-1-01 4-1-02	9.830	A-agr	Gratis
S-4244	Island Holidays, Ltd.	5/13/69-5/12/2034	Parts 1 & 2, Wailua, Kawaihau (Puna)	4-1-05	.090	U-bus	730.00
(D) S-4245	Hawaiian Trust Co. (Will of Jean Faye)	1/01/66-12/31/75	Lot 40, Kokee Camp Site, Waimea	1-4-04: 05	1.110	C-res	76.00
(D) S-4250	Honolulu Gas Co., Ltd.	9/09/69-9/09/2023	Nawiliwili	3-2-03	1.614	U-ind	3,770.00
S-4254	T. T. Kuramoto & Co., Ltd.	8/12/69-8/11/2024	Lot 5, Kekaha Town Lots	1-3-03: 40	.302	U-bus	515.00
S-4256	Kekaha Sugar Co., Ltd.	8/12/69-8/11/89	Waimea (Kona)	1-5-01	6.250	C-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	U-bus	733.00
(D) S-4259	U. S. A. (Army)	6/17/69-6/16/74	Parcels 1 & 2, Kokee State Park	1-4-01: 03	1.343	C-fed	Gratis
(D) S-4265	Kauai Electric Co., Ltd.	3/15/66-3/14/2031	Wailua, Lihue	3-9-06: 09	.158	U-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: 09	.323	U-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	U-bus	1,970.00
S-4277	Jerry Louis Ornellas	1/27/70-1/26/95	Parcel B-1, Kapaa, Kawaihau (Puna)	4-4-04: Por. 05	51.240	A-past	1,550.00
S-4278	Mid Pac Development, Ltd.	1/27/70-1/26/2020	Kekaha, Waimea (Kona)	1-2-02	7.224	U-bus	12,400.00
(D) S-5007	University of Hawaii	6/01/67-5/31/87	Lihue-Koloa Forest Res., Koloa	2-4-09	.014	U-ele	Gratis

DIVISION OF STATE PARKS

Table 1. STATE PARK AREAS, ACREAGE, AND USAGE, BY ISLAND AND AREA: ENDING JUNE 30, 1972

Island and State Park Area	Year Estab.	Total Acreage	Developed Acreage	FY 1971-72 Recreation Visits (1,000)[1]
All State Park Areas	—	15,999.5	543.1	9,798
HAWAII	—	1,763.9	221.1	2,151
Akaka Falls State Park	1952	65.4	6.0	150
Hapuna Beach State Park	1967	300.0[4]	24.8	268
Hikiau Heiau State Monument	1967	2.0[4]	2.0	—[9]
Hulihee Palace State Monument	1968	1.3	1.3	25
Kalopa State Recreation Area	1967	100.0[4]	15.0	2
Kealakekua Bay State Park	1971	315.0	(water) —	—
Kilauea State Recreation Area	1966	7.0[4]	1.0	1
Lava Tree State Monument	1956	17.1	10.0	28
MacKenzie State Park	1955	13.1	6.0	24
Manuka State Wayside	1952	13.2	8.0	76
Mauna Kea State Park	1962	700.0[4]	17.0	60
Wailoa River State Recreation Area	1954	148.8[5]	115.0	785
Wailuku River State Recreation Area	1967	81.0[4]	15.0	732
MAUI	—	187.1	37.0	1,118
Hale Kii-Pihana State Monument	1962	10.2	1.0	10
Iao Valley State Park	1961	3.7	3.0	530
Kaumahina State Wayside	1952	7.8	2.0	81
Keanae Valley State Wayside	1952	1.5	.5	63
Launiupoko State Wayside	1965	4.0[4]	4.0	305
Poli Poli Spring State Recreation Area	1957	2.0[4]	1.0	1
Puaa Kaa State Wayside	1954	5.0[4]	1.5	54
Puu Olai State Park	1971	26.9	—	—
Wahikuli State Wayside	1969	6.0[4]	6.0	31
Waianapanapa State Park	1966	120.0[4]	18.0	43
MOLOKAI	—	233.7	10.0	26
Palaau State Park	1955	233.7	10.0	26
OAHU	—	5,930.2	112.8	3,578
Diamond Head State Manument[2]	1962	145.3	9.0	—[9]
Iolani Palace State Monument	1967	10.6	8.0	656
Keaiwa Heiau State Recreation Area	1955	384.5	15.0	284
Puu O Mahuka State Monument	1962	4.0	3.0	—[9]
Puu Ualakaa State Wayside	1957	10.0[4]	8.0	216
Royal Mausoleum State Monument	1968	3.3	3.0	269
Sans Souci State Recreation Area	1969	1.0	1.0	—
State Capitol	1969	10.0[6]	5.0	—
Ulu Po Heiau State Monument	1954	1.4	1.4	—[9]
Waahila Ridge State Recreation Area	1967	40.0[4]	15.0	32[8]
Washington Place State Monument	1966	3.1	3.0	—
Nuuanu Pali State Wayside	1964	5.0[4]	3.4	2,000[7]
Kahana Valley State Park	1970	5,260.0	—	—
Waimanalo Bay State Recreation Area	1970	20.0[6]	6.0	—[9]
Aina Moana State Park	1970	32.0[4]	32.0	121[8]
KAUAI	—	7,884.6	162.2	2,925
Kokee State Park	1952	4,640.0	55.0	624
Na Pali Coast State Park	1962	55.0[4]	4.0	3
Polihale State Park	1967	140.0[4]	20.0	11
Russian Fort State Monument	1972	17.3	5.2	—
Wahiawa Mauka State Recreation Area	1968	52.3	—	—
Wailua River State Park[3]	1954	1,113.6	68.0	1,876
Waimea Canyon State Park	1952	1,866.4	10.0	411

[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); Kaumualii (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; acreage is estimated.
[5] Acquired jurisdiction of additions; new boundaries not yet established; acreage is estimated.
[6] Acquired maintenance responsibility; acreage is estimated.
[7] Limited current data available (Nuuanu Pali based on 1963 estimate of 1,000,000 visits).
[8] Estimated visits for four months — period March to June, 1972.
[9] Counts discontinued.

Table 2. STATE PARK REVENUES, BY SOURCE, 1972.

Income Source	Amount
Total	$190,164.73
Rentals, recreation residence lots, Kokee and Waimea Canyon State Parks, Kauai	13,065.12
Rentals, vacation cabins and lodgings, State operated, all parks	71,839.62
Lease of concessions, Kokee and Wailua River State Parks, Kauai	48,617.87
Mooring fees, Wailua River State Park Marina, Kauai	4,592.79
Sale of water, all parks	5,680.28
Sale of electricity, Wailoa River Recreation Area Pavilion	1,328.65
Commissions and sales, miscellaneous, all islands	588.38
Sale of Publications	420.00
Transportation Services, Wailua River State Park Marina, Kauai	44,032.02

Table 3. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS, EXPENDITURE AND REVENUE BY YEARS — 1952-1972

Year[1]	No. of Areas	Acreage[2]	Estimated Recreation Visits	Operating Cost Per Visit	Total	Operating	C.I.P.[3]	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	15,584	9,520,000	6.8¢	3,283,580	647,757	2,635,823	113,552
1971	44	15,983	13,007,000	6.0¢	3,638,211	778,306	2,859,905	151,198
1972	46	16,000	9,798,000	8.3¢	5,592,396	813,255	4,779,141	190,165

NA—Not Available.
[1]Year ended June 30.
[2]Parks for which boundaries are not yet established are not included prior to June 30, 1970.
[3]Capital improvement program including land acquisition.

Table 4. STATE PARK EXPENDITURE AND REVENUES BY ISLANDS: YEAR ENDING JUNE 30, 1972

Island	Operating Cost Per Visit	Expenditures in Dollars			Program Revenues[1]
		Total	Operating	C.I.P.	
Hawaii	8.6¢	917,951	185,002	732,949	34,089
Maui	8.8¢	177,080	98,434	78,646	39,079
Molokai	38.2¢	22,600	9,932	12,668	—
Oahu[2]	9.8¢	3,401,764	348,959	3,052,805	420
Kauai	5.8¢	830,312	170,928	659,384	115,988

[1]Not included: Commissions and Sales, Miscellaneous, all islands.
[2]Includes Honolulu administration office.

FY 1971-72 CAPITAL IMPROVEMENT EXPENDITURES

Source: IBM Ledger 6/30/72

Appropriation	Allotment Account	Expenditure
Magic Island Aina Moana Development, Oahu	B-61-330	72.81
Development Peacock Flats, Oahu	B-62-323	-0-
Public Access to Lands within Forest Reserves, Oahu	B-62-325	7,110.98
Major State Park, Maui	B-64-361	2,370.76
Other Parks & Parkways, Maui	B-64-362	13,538.47
Akaka Falls, Hawaii	B-64-368	348.93
Koloa State Park, Kauai	B-64-374	-0-
Kukui Grove, Iao Valley, Maui	B-65-325	-0-
Mauna Kea Park, Hawaii	B-65-330	794.15
Wahiawa Valley, Kalaheo, Kauai	B-65-333	26,901.49
Magic Island Aina Moana Development, Oahu	B-65-340	499,298.88
Akaka Falls Park & Road, Hawaii	B-65-368	-0-
Other Big Island State Parks	B-65-369	-0-
Improvements to Royal Mausoleum Grounds, Nuuanu, Oahu	B-65-803	3,900.00
Historic Sites, All Islands	B-66-301	-0-
Iao Valley State Park, Maui	B-66-307	1,935.58
Kahana Valley State Park, Oahu	B-66-308	21,176.33
State Parks on Maui	B-66-309	7,917.32
MacKenzie State Park, Puna, Hawaii	B-66-317	1,620.19
Na Pali Coast State Park, Kauai	B-66-324	922.46
Hanapepe Salt Pond Development, Kauai	B-66-348	3,423.21
Nuuanu Pali State Park, Oahu	B-66-356	18,520.19
State Monuments, All Islands	B-67-301	1,880.44
Hapuna Beach State Park, Hawaii	B-67-302	67,108.01
Palaau State Park, Molokai	B-67-313	487.92
Maalaea-Kaanapali State Parkway, Lahaina, Maui	B-67-314	2,945.93
Recr. Facility, Waipio Beach, Hawaii	B-67-316	20.72
MacKenzie State Park, Hawaii	B-67-317	-0-
Kalapana Development, Hawaii	B-67-318	1,232.57
Haena State Park, Kauai	B-67-322	3,115.40
Russian Fort, Kauai	B-67-323	2,360.59
Na Pali Coast State Park, Kauai	B-67-324	-0-
Mauna Kea State Park, Hawaii	B-67-330	371.06
Wailoa River State Recreation Area, Hawaii	B-67-332	12,955.95
Kokee-Waimea Canyon State Park, Kauai	B-67-336	24,837.34
Keaiwa Heiau State Recreation Area, Oahu	B-67-357	1,355.08
Hapuna Beach State Park, Hawaii	B-67-364	28,573.57
Akaka Falls Cable Car, Hawaii	B-67-368	-0-
Iolani Barracks Restoration	B-67-802	59.70
Palaau State Park, Molokai	B-68-313	12,179.65
Kokee-Waimea Canyon-Na Pali-Polihale Park, Kauai	B-68-336	615.33
Leeward Oahu Railway Park	B-68-352	70.91
Wailuku River Recreation Area, Hawaii	B-68-362	3,311.12
Statewide Archaeological & Historical Preservation	B-69-401	43,912.11
Makua-Kaena Point State Park, Oahu	B-69-409	300,209.94
Wahiawa Fresh Water Park, Oahu	B-69-411	1,500.55
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	237.71
Wahikuli Wayside State Park, Maui	B-69-420	1,221.09
Launiupoko State Park, Maui	B-69-421	230.28
Palaau State Park, Molokai	B-69-422	-0-
Kealakekua Bay State Historic Park, Hawaii	B-69-435	238,413.95
Kiholo Bay State Park, Hawaii	B-69-436	1,430.13
Kalapana Development, Hawaii	B-69-437	-0-
Kalapana Canoe Landing, Hawaii	B-69-438	168.31
Wailuku River Park, Hawaii	B-69-439	-0-
Kalopa Park, Hawaii	B-69-441	1,129.48
Instaln. Pipeline Ext. to Lava Tree State Park, Puna, Hawaii	B-69-442	13,000.00
Wahiawa Valley, Kalaheo, Kauai	B-69-465	-0-
Development Plans, Kauai Parks	B-69-466	-0-
Wailua River State Park, Kauai	B-69-467	513.88
Waahila Park, St. Louis Hts., Oahu	B-69-802	50,000.00
Archaeological & Historical Preservation Statewide	B-70-401	19,941.40
State Underwater Parks Statewide	B-70-402	1,955.55
Kahana Valley State Park, Koolauloa, Oahu	B-70-409	-0-
Makua-Kaena Point State Park, Oahu	B-70-410	515,000.00
Plans Compr. Pk. Sys. Manoa-Moiliili-McCully, Oahu	B-70-411	-0-
Waahila Park, Oahu	B-70-412	60,714.90
Waianapanapa Caves State Park, Hana, Maui	B-70-419	279.50
Palaau State Park, Molokai	B-70-420	-0-

Appropriation	Allotment Account	Expenditure
Maalaea-Kaanapali Wayside Park, Maui	B-70-421	8,003.25
Wahikuli Wayside State Park, Phase II, Maui	B-70-422	24,966.00
Hapuna Beach State Park, S. Kohala, Hawaii	B-70-431	316,500.00
Wailuku River State Recreation Area, S. Hilo, Hawaii	B-70-432	-0-
Wailoa River State Park, Hawaii	B-70-434	-0-
Kalapana & Kaimu Beach Development, Hawaii	B-70-435	-0-
Archaeological & Historical Site Preser. & Pk. Dev.	B-70-436	-0-
Kalopa State Park, Hamakua, Hawaii	B-70-437	-0-
Russian Fort St. Monument, Waimea, Kauai	B-70-446	32,361.70
Wahiawa Mauka State Recreation Area, Kauai	B-70-447	-0-
Wailua River State Park, Kauai	B-70-449	12,564.26
Kokee-Kalalau Road, Kauai	B-70-450	97,703.70
Nuuanu Pali State Park, Oahu, Plans & Construction	B-70-501	202,000.00
Waimanalo Bay Recreation Area, Oahu, Plans & Construction	B-70-502	-0-
Makiki-Tantalus St. Park Complex, Oahu, Plans & Construction	B-70-503	-0-
Wahiawa Fresh Water Park, Oahu, Plans and Construction	B-70-504	-0-
Park at Anuenue, Oahu, Plans & Construction	B-70-530	6,525.36
Waimea Pier, Kauai (S.P.)	B-70-802	7,720.00
State Historic Preservation Program	B-71-416	175,000.00
Statewide Historic Preservation Program, Design	B-71-417	-0-
Statewide Historic Preservation Program, Construction	B-71-418	-0-
State Parks & Recreation Res. Dev. Program, Design	B-71-419	-0-
Makua-Kaena Point State Park, Oahu	B-71-420	1,000,000.00
Iolani Palace Restoration, Oahu, Design	B-71-421	161,040.63
Iolani Palace Restoration, Oahu, Construction	B-71-422	200,000.00
Urban Strip Parks—Statewide Prelim. Plans	B-71-423	-0-
Royal Mausoleum State Monument, Honolulu, Oahu, Design	B-71-424	-0-
Royal Mausoleum State Monument, Hon., Oahu, Construction	B-71-425	-0-
Kiholo Bay State Park, N. Kohala, Hawaii	B-71-426	-0-
Haena State Park, Hanalei, Kauai	B-71-427	300,000.00
Wailua River State Park, Kauai, Land	B-71-428	-0-
Wailua River State Park, Kauai, Design	B-71-429	-0-
Wailua River State Park, Kauai, Construction	B-71-430	-0-
Hapuna Beach State Park, S. Kohala, Hawaii, Land	B-71-431	-0-
Hapuna Beach St. Park, S. Kohala, Hawaii, Design	B-71-432	-0-
Hapuna Beach St. Park, S. Kohala, Hawaii, Construction	B-71-433	45,000.00
Russian Fort State Monument, Waimea, Kauai, Design	B-71-434	-0-
Russian Fort State Monument, Waimea, Kauai, Constr.	B-71-435	-0-
Kokee-Na Pali State Park Complex, Kauai, Design	B-71-436	510.24
Kokee-Na Pali State Park Complex, Kauai, Construction	B-71-437	-0-
Wailoa River State Recreation Area, Hawaii, Design	B-71-438	-0-
Wailoa River State Recreation Area, Hawaii, Constr.	B-71-439	-0-
Kahana Valley Park, Oahu	B-71-501	-0-
Manoa-Moiliili-McCully Flood Control-Recreation Area, Oahu	B-71-503	-0-
Wahikuli Wayside Park, Maui	B-71-504	15,000.00
Kahului Beach Park, Maui	B-71-505	-0-
Lapakahi State Park, N. Kohala, Hawaii	B-71-511	-0-
Wailuku River Park, Hawaii	B-71-514	-0-
Lydgate Park, Wailua River State Park, Kauai	B-71-517	2,699.74
Haena-Na Pali Coast State Park, Kauai	B-71-518	141,337.00
Waimea Pier Reconstruction & Restoration, Kauai	B-71-801	-0-
Development Peacock Flats, Oahu	G-62-323	-0-
Akaka Falls Park & Road, Honomu, Hawaii	G-65-368	548.99
Other Big Island State Parks, Hawaii	G-65-369	422.26
State Capitol Building, Oahu	G-65-802	4.23
Improvemts. to Royal Mausoleum Grounds, Nuuanu, Oahu	G-65-803	248.14
Wailua River State Park, Kauai	G-66-335	1,797.99
Kahana Valley State Park, Oahu	G-68-308	3,996.00
Kahana Valley State Park, Oahu	G-69-407	-0-
	TOTAL	4,779,141.31

DIVISION OF WATER AND LAND DEVELOPMENT

Construction Projects Awarded, Under Construction or Completed For Fiscal Year 1971-1972

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
	LAND PROJECTS				
41-OM-21	Waimanalo Core Development, Sewage Pump Station, Force Main & Interceptor, Waimanalo, Oahu, Hawaii (Schedule II)	$484,354.10	8-24-70	5-26-72	Okada Trucking Co., Ltd.
1-OL-22	Food Distribution Center, 1st Increment Fort Armstrong, Honolulu, Oahu, Hawaii	895,658.41	10-19-70	12-1-71	Okada Trucking Co., Ltd.
41-OM-23	Waimanalo Core Development, Connecting Effluent Disposal System, Waimanalo, Oahu, Hawaii	61,789.80	1-25-71	11-10-71	Pacific Contractors, Inc.
41-OM-26X	Repairs to Glass Roof for Sludge Bed Waimanalo Sewage Treatment Plant Waimanalo, Oahu, Hawaii	7,020.00	5-15-71	6-15-71	Honiron
31-HL-16	University Heights Residential Subdivision, 3rd Increment, Waiakea, Hilo, Hawaii	473,302.55	5-17-71	2-4-72	Jas. W. Glover, Ltd.
19-KL-5	Extension of a 12-Inch Pipeline Along Moi Road, Hanapepe Water System, Hanapepe, Kauai, Hawaii	12,663.00	7-19-71	1-26-72	E. F. Nilson, Inc.
33-KL-2	Waimea Heights Subdivision, Increment I, Waimea, Kauai, Hawaii	280,800.00[1]	10-26-71	9-17-72*	Mark Construction, Inc.
34-ML-5	Wahikuli House Lots Subdivision 5th Series, Wahikuli, Lahaina, Maui	324,621.80[1]	12-8-71	8-25-72*	Fong Construction Co.
50-KL-10	Hanapepe Heights Residential Subdivision, Hanapepe, Kauai, Hawaii (Schedule I)	37,958.00[1]	12-13-71	12-25-72*	Mark Construction, Inc.
50-KL-10	Hanapepe Heights Residential Subdivision, Hanapepe, Kauai, Hawaii (Schedule II)	115,878.50[1]	12-13-71	8-8-72*	Podmore Construction-D.C. Construction, Inc. (Joint Venture)
	WATER PROJECTS				
8-HW-37	Well, Pump & Controls, Kona Water Project, Kahaluu, N. Kona, Hawaii (Schedules I, II and IV)	246,876.60	8-31-70	7-27-71	Water Resources Int'l Inc.
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.
3-9W-19	Molokai Water System Office Building Molokai Irrigation Proj., Molokai, Hawaii	229,199.50[2]	10-1-70	7-12-71	Thomas Tanaka, Inc.
48-HW-10	Kohakohau Diversion & Pipeline, Waimea Water System, So. Kohala Water Project, Kohala, Hawaii	194,748.06	12-21-70	10-26-71	Yokoyama-Ramos (J.V.)
48-HW-12A	Chlorinators & Appurtenances, Kawaihae Water System, S. Kohala Water Project, Kawaihae, Hawaii	29,955.00	2-16-71	7-30-71	Urban Construction, Inc.
8-HW-38	8-Inch Pipeline Extension, Hookena School to Hookena Beach Road Junction, So. Kona Water Project, Kona, Hawaii	35,544.00	3-15-71	8-27-71	Yamada & Sons, Inc.
12-KW-11	Drilling and Testing Wailua Well 9-1(c) Wailua-Kapaa Water System, Wailua, Kauai, Hawaii	26,840.00	4-5-71	7-13-71	Roscoe Moss Company
17-KW-22	Exploratory Drilling, Wailua Well 0321-01, Wailua, Kauai, Hawaii	35,301.00	5-26-71	5-22-72	Water Res. Int'l, Inc.
35-MW-13	Napili Well 5838-01, West Maui Water Project, West Maui, Hawaii	64,245.00	5-28-71	10-2-71	Singer-Layne Int'l Div.
51-KW-8	Kilauea Well 1125-01, Kilauea Water System, Kilauea, Kauai, Hawaii	49,778.40	6-14-71	3-24-72	Roscoe Moss Company

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
17-MW-23	Exploratory Drilling, Hana Well 4601-02, Hana, Maui, Hawaii	36,650.00[1]	6-21-71	9-6-72*	Water Res. Int'l, Inc.
35-MW-12	Kanaha Well 5339-03, West Maui Water Project, West Maui, Hawaii	58,063.00	7-12-71	1-28-72	Singer-Layne Int'l Div.
12-KW-9AR	Installing Pumps & Connecting Pipeline, Wailua-Kapaa Water System, Wailua, Kauai, Hawaii	70,928.55[1]	10-12-71	10-8-72*	Singer-Layne Int'l Div.
14-KW-8	Pipeline Along Rice Street Lihue Water System, Lihue, Kauai, Hawaii	107,545.75[1]	10-12-71	9-5-72*	E. F. Nilson, Inc.
17-HW-24	Exploratory Drilling Kiholo Well 4953-01 Puuwaawaa, North Kona, Hawaii	93,610.00[1]	1-24-72	10-19-72*	Singer-Layne Int'l Div.
35-MW-14	1.0 M.G. Alaeloa Tank, West Maui Water Project, West Maui, Hawaii	263,641.00[1]	2-1-72	10-27-72*	E. T. Ige Construction, Inc.
13-KW-10	8-Inch Pipeline, Koloa-Poipu Water System, Koloa, Kauai, Hawaii	79,936.90[1]	6-13-72	12-9-72*	E. F. Nilson, Inc.
3-9W-28	Waikoloa Surface Water Development Molokai Water Project, Phase II, Kalawao, Molokai, Hawaii	756,935.00[1]	7-12-72	5-6-73*	J. A. Thompson & Son, Inc.
3-9W-29X	Repairs in Waikolu Valley, Molokai Irrigation System, Molokai, Hawaii	7,500.00[1]			Molokai Rock & Equip.
22-HW-17**	Exploratory Drilling, Volcano-Glenwood Water System, Volcano, Hawaii	28,992.00[1]			Continental Drilling Co.
2-HW-13**	Installation of Water Lines, Lalamilo Irrigation System, S. Kohala, Hawaii	108,734.00[1]			J. M. Tanaka Const. Inc.
35-MW-15**	Napili Well 5838-02, West Maui Water Project, West Maui, Hawaii	94,000.00[1]			Singer-Layne Int'l Div.
	STATE PARKS PROJECTS				
23-HP-6	Well, Pump & Controls, Hapuna Beach State Park, Lalamilo, Hawaii	79,284.76	3-30-70	12-17-71	Singer-Layne Int'l Div.
45-OP-9	Landscaping & Park Facilities, Magic Island Park, Honolulu, Hawaii	470,096.12	7-21-70	9-10-71	Pacific Contractors, Inc.
23-HP-9	Rainbow Falls Improvements, Wailuku River State Rec. Area, Hilo, Hawaii	70,095.50	8-31-70	7-30-71	Jas. W. Glover, Ltd.
36-9P-7R	Park Development-Unit I, Palaau State Park, Molokai, Hawaii (Schedule I)	62,232.50	12-8-70	12-3-71	Molokai Rock & Equip. Co.
23-HP-8	Irrigation Pipeline & Tank, Hapuna Beach State Park, Lalamilo, Hawaii	94,494.09	5-12-71	2-11-72	Corps Construction, Ltd.
57-HP-12X	Leasing Loader and Truck, Wailoa River State Rec. Area, Hilo, Hawaii	916.89	9-1-71	9-20-71	Yamada & Sons, Inc.
5-OP-7	Park Development-Unit II, Waahila Ridge State Recreation Area, Honolulu, Hawaii	106,973.20	10-12-71	3-30-72	Avanti Constructors, Inc.
24-KP-15	Resurfacing Kokee-Kalalau Road, Kokee State Park, Waimea, Kauai, Hawaii	95,469.00	11-1-71	12-30-71	Haw'n Bitumulls & Paving Co., Ltd.
45-OP-11	Landscaping & Park Facilities II Magic Island Park, Honolulu, Hawaii	474,423.00	11-11-71	7-14-72	Hirahara, Inc.
36-MP-14	Picnic Shelters & Lighting, Wahikuli State Wayside, Lahaina, Maui, Hawaii	34,000.00[1]	1-17-72	8-5-72*	Global Contractors, Inc.
5-OP-6	Site Improvements & Landscaping Nuuanu Pali State Park, Nuuanu, Oahu, Hawaii	185,091.00[2]	2-7-72	8-4-72*	A. C. Chock, Inc.
36-MP-9	Asphalt Concrete Paving, Launiupoko State Wayside, Lahaina, Maui, Hawaii	13,203.25	2-14-72	3-2-72	Fong Construction Co.
23-HP-11	Park Development-Unit I, Hapuna Beach State Park, Lalamilo, Hawaii	421,985.05[1]	4-17-72	1-31-73*	M. Sonomura Cont. Co., Inc.

Job No.	Description	Final Cost of Project	Starting Date	Completion Date	Contractor
	FISH AND GAME PROJECTS				
25-HM-4R	Leasing Crawler Tractor for Puuánahulu Access Road, Kona, Hawaii	20,810.00	9-27-71	3-1-72	J. M. Tanaka Const. Inc.
7-OM-3	Keehi Fishery Station - Building Kapalama, Oahu, Hawaii	140,268.00[1]	4-17-72	1-1-73*	THOHT Construction, Inc.
7-OM-2	Paiko Wildlife Refuge, Honolulu, Oahu, Hawaii	52,112.00[1]	7-10-72	9-10-72*	Territorial Contractors

*Estimated Completion Date
**Contract Awarded Only
[1]Contract Bid Amount
[2]Adjusted Contract Amount

WAIMANALO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1971					
July	19,822,512	921.208	2,303.15	1,585.81	3,888.96
August	16,857,619	921.208	2,303.15	1,348.58	3,651.73
September	12,858,533	921.208	2,303.15	1,028.69	3,331.84
October	10,271,115	921.208	2,303.15	821.69	3,124.84
November	5,177,074	921.208	2,303.15	414.17	2,717.32
December	4,045,621	921.208	2,303.15	323.65	2,626.80
1972					
January	4,348,674	921.208	2,303.15	347.87	2,651.02
February	1,990,219	921.208	2,303.15	159.21	2,462.36
March	5,099,703	921.208	2,303.15	407.95	2,711.10
April	4,081,342	921.208	2,303.15	326.53	2,629.68
May	16,325,452	921.208	2,303.15	1,306.01	3,609.16
June	15,180,974	921.208	2,303.15	1,214.50	3,517.65
TOTALS	116,058,838	—	27,637.80	9,284.66	36,922.46

LALAMILO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1971					
July	10,566,202	205	461.25	722.05	1,183.30
August	15,515,940	205	461.25	1,021.61	1,482.86
September	12,881,190	205	461.25	879.94	1,341.19
October	13,778,870	187	443.25	927.46	1,370.71
November	11,292,840	187	443.25	773.46	1,216.71
December	7,734,740	205	461.25	547.75	1,009.00
1972					
January	8,969,730	205	461.25	632.28	1,093.53
February	7,282,570	205	461.25	519.09	980.34
March	5,757,050	205	461.25	413.36	874.61
April	6,134,630	205	461.25	439.64	900.89
May	13,830,210	205	461.25	939.22	1,400.47
June	13,808,850	205	461.25	884.29	1,345.54
TOTALS	127,552,822	—	5,499.00	8,700.15	14,199.15

MOLOKAI IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1971					
July	69,177,000	7,697	7,829.35	5,562.64	13,391.99
August	64,754,000	7,698	7,750.15	5,185.76	12,935.91
September	86,685,000	7,803	7,941.55	6,936.72	14,878.27
October	91,976,000	7,811	7,868.95	7,359.36	15,228.31
November	87,276,000	7,817	7,905.25	6,985.60	14,890.85
December	54,485,000	7,818	7,882.15	4,359.12	12,241.27
1972					
January	57,588,000	7,819	7,883.25	4,607.36	12,490.61
February	9,580,000	7,821	7,886.55	766.40	8,652.95
March	1,760,000	7,826	7,895.35	141.56	8,036.91
April	5,079,000	7,833	7,905.25	406.64	8,311.89
May	41,276,000	7,833	7,897.55	3,852.56	11,750.11
June	42,462,000	7,978	8,102.60	3,398.56	11,501.16
TOTALS	612,098,000	—	94,747.95	49,562.28	144,310.23

STATUS OF FLOOD CONTROL INVESTIGATION STUDIES & 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
Wailupe Stream, Oahu*	P.L. 83-566, as amended
Waimano Stream, Oahu*	P.L. " "
Kapaakea, Molokai*	P.L. " "
Makaha, Oahu*	P.L. " "
Palolo-Manoa Stream, Oahu*	P.L. 81-517
Kaneohe-Kailua area, Oahu*	P.L. 89-298
Iao Stream, Maui*	P.L. 85-516
Kahoma Stream, Hawaii*	P.L. 86-645
Kalihi Stream, Oahu*	P.L. 90-483
Kihei, Maui*	Res. No. 1822, Flood Control, by Committee on Public Works dated July 29, 1971
Kahaluu Watershed, Oahu**	P.L. 83-556, as amended
Honolua Watershed, Maui**	P.L. " "
Kaaawa, Oahu*	P.L. " "

*Corps of Engineers
**Soil Conservation Service

B. Flood Mapping

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 in Fiscal Year 1971-72 for the following areas:

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

The map for the following area is being prepared:

Kahaluu, Oahu

DIVISION OF WATER & LAND DEVELOPMENT PUBLICATIONS

Circular	C33	Reconnaissance Study of Sediments Transported by Streams, Oahu, November 1971.
Report	R39	Flood Hazard Information, Maui, August 1971.
"	R40	A General Plan for Domestic Water, Kauai, Feb. 1972.
"	R41	Soil Survey Interpretations, Kauai, January 1972.
"	R42	Soil Survey Interpretations, Oahu, January 1972.
"	R43	Soil Survey Interpretations, Molokai, January 1972.
"	R44	Soil Survey Interpretations, Lanai, January 1972.
"	R45	Soil Survey Interpretations, Maui, January 1972.
"	R46	Soil Survey Interpretations, Hawaii, January 1972.

PHOTO CREDITS

Cover Photo of Waikamoi, East Maui REMPAC-Sager

All Photos by DLNR Staff unless otherwise noted.

TO Mr. William Thompson
FROM James S. Peter

As per your request concerning information on state leases within the Banyan Drive complex at Waiakea, S. Hilo, Hawaii, we forward to you the following:

I. Site Improvement Costs: $700,000 approximate

II. General Lease

No.	Lessee	Area (Acre)	Expiration Date	Rent
3908	Orchid Isle	2.319	4/11/2020	15,000
3029	James Ho & Dr. S. Shimabukuro	1.19	3/14/2015	8,112
5018	"	.83	5/18/2022	10,600
3265	William Kimi	.586	4/14/2015	2,981
3266	Hilo Bay Hotel	.531	3/14/2015	2,716
3267	"	.495	3/14/2015	3,252
3961	Melson Ltd	5.00	4/14/2031	32,670
4316	Alflo Ronco Dev.	63,248	6/22/2025	5,500
3269	Travelodge Corp.	.921	3/14/2015	9,180
4253	Inter Island Resort	1.054	3/14/2015	3,300
2480	"	.720	3/14/2015	4,234
2481	"	.750	3/14/2015	4,764
2610	"	2.950	3/14/2015	24,37[illegible]
3268	"	.749	3/14/2015	4,89[illegible]

To: Mr. William Thompson
FROM: James S. Polar

As per your request concerning information on state leases within the Banyan Drive complex at Waiakea, S. Hilo, Hawaii, we forward to you the following:

I. Site Improvement Costs: $700,000 approximate

II. General Lease

No. S-	LESSE	AREA (Acre)	EXPIRATION DATE	RENT
3908	Orchid Isle	2.319	4/11/2020	15,000
3029	James Ho & Dr. S. Shimabukuro	1.19	3/14/2015	8,112
5018	"	.83	5/18/2022	10,600
3265	William Kimi	.586	4/14/2015	2,981
3266	Hilo Bay Hotel	.531	3/14/2015	2,716
3267	"	.495	3/14/2015	3,252
3961	Melsan Ltd	3.00	4/14/2031	32,670
4316	Alflo Ronco Dev.	63,248	6/22/2025	5,500
3269	Travelodge Corp.	.921	3/14/2015	9,180
4253	Inter Island Resort	1.054	3/14/2015	3,300
2480	"	.720	3/14/2015	4,234
2481	"	.750	3/14/2015	4,764
2610	"	2.950	3/14/2015	2[illegible],37[illegible]
3268	"	.749	3/14/2015	4,89[illegible]

METHOD OF DISPOSITION:

D - Direct award
All others by public auction

REPORT TO THE LEGISLATURE ON LAND DISPOSITIONS

~~January 1 to December 31, 1974~~

GENERAL LEASES

LAND USE COMMISSION LAND CLASSIFICATION:

(A) - Agriculture
(C) - Conservation
(R) - Rural
(U) - Urban

LEASE NO.	LESSEE	TERM OF LEASE	LOCATION	TAX MAP KEY	AREA (Acres)	CLASSIFICATION AND USE	ANNUAL RENTAL
S-4370	ORIZABA COMPANY	65 yrs.	Non-excl. easement 60-ft. wide, Govt. land at Waiakea, S. Hilo,HI	2-4-08:1	5.938 acs.		$3,900
S-4379	ECONOMY MOTORS, INC.	37 yrs.	Lots 6 and 7, Block 48, Waiakea Hselots Ext., Waiakea, S. Hilo, HI	2-2-48:por.17	39,000 sf.	Ind.	$7,000
S-4380	TAIZAN & CHIEKO SUGIMOTO	25 yrs.	Govt. REmnant, Kaniahiku, Puna, HI	1-5-04:13	3.64 acs.	A	$90
S-4381	TAPLEY P. JORDAN, JR.	25 yrs.	Por. Govt. land of Keonepoko-Iki, Keonepoko-Iki, Puna, HI	1-5-09:50	38.480 acs.	A	$1,350
S-4382	TAPLEY P. JORDAN, JR.	25 yrs.	Lot 5-A, Opihikao Hmstds, Opihikao, Puna, HI	1-3-03:16	52.1 acs.	A	$1,300
S-4383	TAPLEY P. JORDAN, JR.	25 yrs.	Lot 10, Papa Hmstds, Papa 1, S. Kona, HI	8-8-04:10	7.85 acs.	A	$400
S-4391	HAWAII BIOGENICS, LTD.	55 yrs.	Parcels 1 thru 6, Opihipau-Hukiaa, Hualua & Kahei Govt. Tracts	5-5-3; 5-5-6; 5-5-7	1,054.426 acs.	A	$43,150

METHOD OF DISPOSITION:

D - Direct award
All others by public auction

REPORT TO THE LEGISLATURE ON LAND DISPOSITIONS

~~January 1 to December 31, 1974~~

GENERAL LEASES

LAND USE COMMISSION
LAND CLASSIFICATION:

(A) - Agriculture
(C) - Conservation
(R) - Rural
(U) - Urban

S-4357

LEASE NO.	LESSEE	TERM OF LEASE	LOCATION	TAX MAP KEY	AREA (Acres)	CLASSIFICATION AND USE	ANNUAL RENTAL
S-4357	DAUGHTERS OF HAWAII	65 yrs.	Old Palace Lot (Hulihee Palace), Kailua, N. Kona, Hawaii	7-5-07:20	1.284 acs.	Ed.	
S-4358	BOARD OF REGENTS, UNIVERSITY OF HAWAII	10 yrs.	Lot 3, Lalamilo Farm Lots, Lalamilo, Waimea, S. Kohala, HI	6-6-05;21	16.958 acs.	A	gratis
S-4359	ALLAN D. STARR	55 yrs.	Lot 3, Hilo Industrial Development, Leilani St. Sec., Waiakea, S. Hilo, HI	2-2-37:88	.413 acs.	Ind.	$4,000
S-4361	JOSEPH C. HUNT	35 yrs.	Lots 8, 9, 10, Haleohiu Homesteads, Haleohiu, N. Kona, HI	7-3-02:17	24.03=acs.	A-Res.	$2,600
S-4362	DONALD K. DAMON	55 yrs. ~~2-5-02:1~~	Por. of Gvt. Land of Kaumana, Kaumana, S. Hilo, HI	2-5-02:1	95.4 acs.	A-REs.	$600
s-4363	GLENN G. AU	55 yrs.	Lot 9, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo, HI	2-4-49:23	10.243 acs.	A-Res.	$2,801
S-4364	TSI, LTD.	55 yrs.	Lot 2, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo, HI	2-4-49:17	12.683 acs.	A Nursery	$5,000
S-4365	ORCHID GARDENS, INC.	55 yrs.	Lots 7 and 8, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo, HI	2-4-49:21 & 22	20.486 acs.	A Nursry	$1,320
S-4366	TOMMY M. MATSUMOTO	55 yrs.	Lot 22, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo, HI	2-4-49:6	10.008 acs.	A Nursery	$2,900