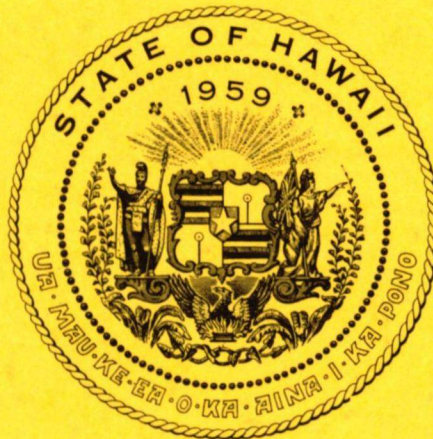


1968 - 1969

REPORT TO THE GOVERNOR



Department of Land
and Natural Resources

STATE OF HAWAII

FILE COPY
DO NOT TAKE

DEPUTYS OFFICE

1968-1969 Report to the Governor



DEPARTMENT OF LAND
AND NATURAL RESOURCES
STATE OF HAWAII



July 1, 1968 to June 30, 1969 inclusive

HONOLULU, HAWAII

JANUARY 1970



The land and water, the trees and other living things, and the beauty thereof, are our stock in trade.

JOHN A. BURNS
GOVERNOR OF HAWAII



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

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621
HONOLULU, HAWAII 96809

October 17, 1969

Honorable John A. Burns
Governor of Hawaii
State Capital
Honolulu, Hawaii

Dear Governor Burns:

It is with pride that I present to you on behalf of the Board, the Annual Report of the Department for Fiscal 1968-1969. We believe that the activities and accomplishments of the Department for the year are truly effective end results of the Administration's intent to provide for the economic and social needs of the people of Hawaii.

During the past year, the Board and Department, in response to your broad policy directives, have concentrated great efforts on programs and projects for development and conservation of the land and projects for development and conservation of the land and other resources under our control. Particular emphasis has been placed on projects which will provide much needed residential developments, and also projects which provide opportunities for outdoor recreation and cultural enrichment of the people, both resident and visitor. Despite this immediate concentration on the housing recreational needs of the State, we have maintained our continuing efforts to provide the basic resource needs of land and water for industry, agriculture, tourism, and the educational sectors of the State's economy.

In an effort to improve our flexibility and capability of meeting the increasingly complex problems of modern government, we are engaged in an overall review and reorganization of the basic operating and staff divisions within the Department. We are firmly convinced that delineation and assignment of specific functional responsibilities to specific staff and operating groups will greatly improve our ability to achieve our goals and objectives.

Respectfully submitted,
BOARD OF LAND AND NATURAL RESOURCES

SUNAO KIDO
Chairman and Member



THE BOARD OF LAND AND NATURAL RESOURCES

Newton Miyagi (Oahu), Tai Sung Yang (Maui), George Yamaki (Oahu)
 Dr. Nobuichi Masunaga (Kauai), Norman Koshiyama (Hawaii)
 Sunao Kido—Chairman

TABLE OF CONTENTS

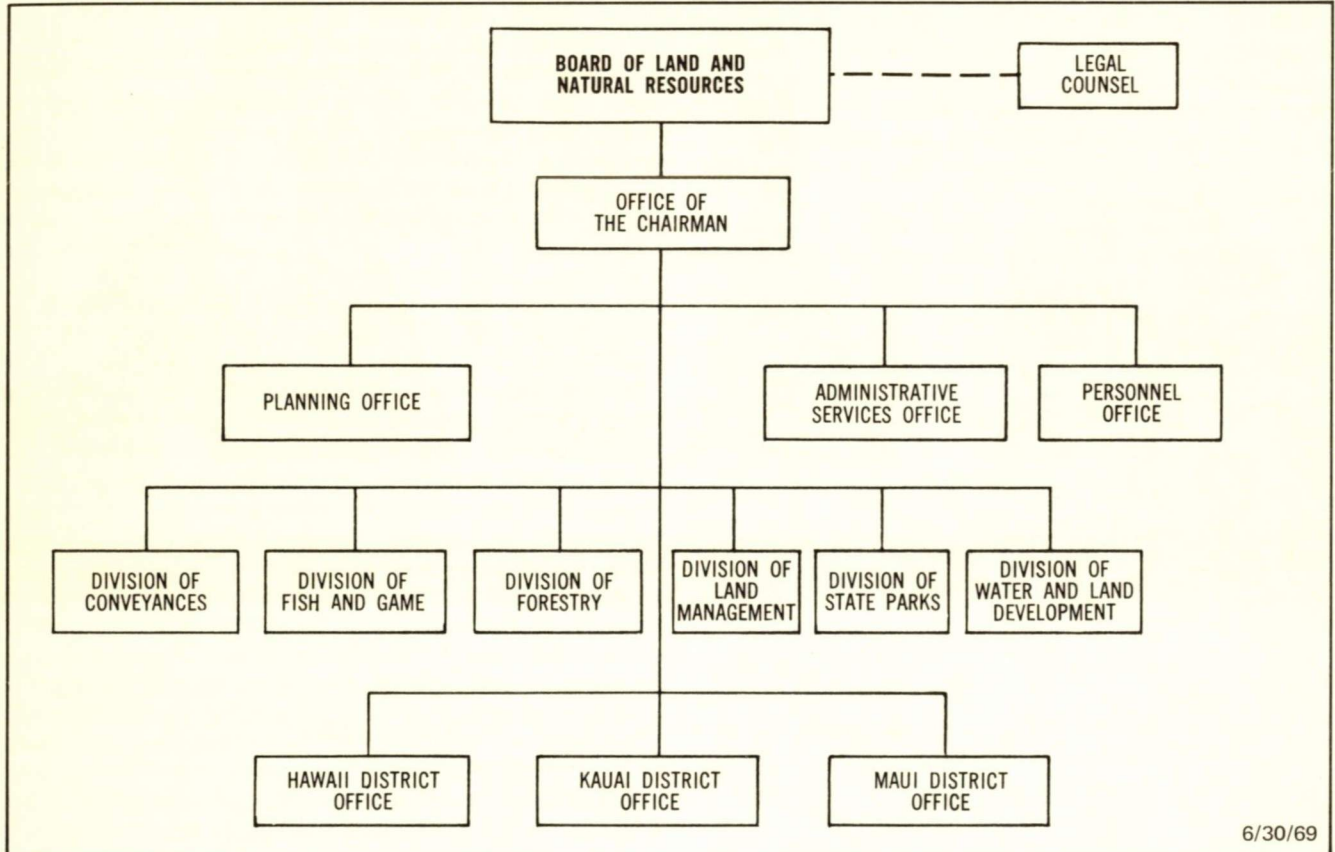
Section		Page
1	Office of the Chairman	5
	Administrative Service Office	6
	Planning Office	7
	Personnel Office	7
2	Division of Conveyances	8
3	Division of Fish and Game	10
4	Division of Forestry	19
5	Division of Land Management	24
6	Division of State Parks, Outdoor Recreation & Historical Sites	28
7	Division of Water & Land Development	33
8	Appendices to the Report	39

SECTION 1

Office of the Chairman

SUNAO KIDO, Chairman
WILLIAM Y. THOMPSON, Deputy

ORGANIZATION CHART DEPARTMENT OF LAND AND NATURAL RESOURCES



6/30/69

The Board of Land and Natural Resources, under provisions of the State Constitution and of applicable statutes, is responsible for the conservation, development, and effective utilization of the mineral, forest, water, land, fish, wildlife and other natural resources owned or controlled by the State of Hawaii. The broad mission of the Board is to administer and manage, through the Chairman and the staff and personnel of the Department, these basic resources for the present and future benefit and enjoyment of the general public. Goals and objectives of the Department, authorized by the Board, recognize the economic values and impact of the State-owned resources within the overall economy of the State, and in addition, give due consideration to the social values inherent in the proper development utilization and management of these assets of the State.

The Board consists of six members, including the Chairman, who are appointed by the Governor with the advice and consent of the State Senate. Two members are appointed at large from within the State, and one member

is appointed from within each of the four Land Districts of the State. The normal appointive term for members is four years, and no member may by law, serve for more than two consecutive terms or for more than eight consecutive years.

The Chairman of the Board is appointed by the Governor from among the members of the Board. He assumes cabinet rank; acts as the representative of the Board in dealing with the Office of the Governor and with the State Legislature; and serves as the full-time Executive Officer of the Department.

Several significant changes were made in the composition of the Board during the Fiscal Year. Mr. Hiroshi Tanaka, Hawaii Land District Member, resigned on August 1, 1968 after completing almost eight full years in office. Mr. Norman Koshiyama was appointed as Hawaii District Member to replace Mr. Tanaka, effective on August 9, 1968. Mr. Koshiyama completed approximately nine months in his term, and then resigned during May, 1969. The position of Hawaii District Member of the Board is vacant at the time of preparation of this report.

Mr. William Y. Thompson, previously Manager/Chief Engineer of the Hawaii Board of Water Supply, was appointed as Deputy to the Chairman on January 16, 1969, and assumed the duties and responsibilities of that position immediately thereafter.

LEGISLATION

A number of specific Acts, and several Resolutions, passed during the recent 1969 Session of the State Legislature will have some effect on either the functions or operations of the Department. Most of these actions of the Legislature call either for relatively minor changes in operational procedures, or provide guidance for the Department for the conduct of studies and research into problems of development and management of natural resources.

Specific Acts, approved by the Governor, which have more than a passing interest include, Act 264 (HB 710), which requires the Board of Land and Natural Resources to hold formal public hearings prior to approval of proposals for construction or development within Conservation Districts. Act 236 (HB 1131) establishes a Hawaii Foundation for History and the Humanities, which is authorized to work cooperatively with the Department of Land and Natural Resources for preservation and restoration of historic, scientific and cultural sites and structures, and is further authorized to solicit, receive, and expend public and private funds for such purposes. Other Legislative Actions, dealing with management of State lands, or with development and enhancement of other resources, are detailed further within the sections of this report dealing with individual Divisional programs.

Several Resolutions adopted by the Legislature are expected to have both immediate and long-range effects on the programs of the Department, and particularly with projects for development of State lands. These include a number of Concurrent Resolutions (SCR 63, 64, 65, 75, and 76) which specifically authorize the Board under the provisions of Act 68/1968 to develop through private developers and capital a number of residential and hotel/recreational projects at various locations throughout the State. It is expected that the first of these projects will be initiated prior to the end of 1969. Other authorized projects will be initiated as rapidly as plans and development contracts can be prepared.

HR 216 requests the Department to develop a comprehensive Fish and Wildlife Plan for the State of Hawaii. Preliminary planning on this project has been completed, and it is proposed to approach the Legislature in the 1970 Session with a request for funds to effectuate these plans.

PROGRAMS

The Chairman and Members of the Board have continued to emphasize development and conservation of the land and recreational resources of the State to meet the rapidly growing need of the resident and visitor population of the State.

Forestry development and utilization programs have been maintained and expanded. Particular efforts have been expended in developing management plans for all forest reserve areas under the control of the department. Recrea-

tional aspects of forest development and management are receiving special attention as a means of expanding the overall capability of the State to meet the growing outdoor recreational demands of the public.

Fish and Wildlife programs are being reviewed, with the stated objective of expanding the recreational hunting and fishing programs, culminating in the Comprehensive Fish and Wildlife Plan now in preparation. Additional efforts are being carried on to improve the tuna fishery industry of the State, and to also investigate the potentials for commercial aquaculture of prawns and oysters within State waters.

The Department is presently engaged in reviewing and reorganizing the responsibilities and organizational structure of the Division of Land Management so as to improve the overall capability for effective development and management of State lands. This project of improvement of the Division is particularly appropriate in view of the recent Legislative mandate for development by private developer and capital of a number of areas of State lands for residential and hotel/recreational uses, as well as for continuing normal responsibility for the acquisition, development, disposition, and management of all State lands.

The Division of State Parks, Outdoor Recreation, and Historic Sites, was recently reorganized to more clearly define their responsibilities and functions. This new organization should provide added capability and flexibility to deal with the rapidly growing problems of providing and administering programs for parks, recreation, and historic sites. A major test of the new organization will be posed by the overall need for planning, development, and management of 5000 acre Kahana Valley State Park. Acquisition of this major park area was virtually completed in July 1969, and initial planning has commenced for development.

A comprehensive water resources planning program is being carried on by the Division of Water and Land Development, which will ultimately provide overall plans, for each island in the State, for water development, transmission, and use. These comprehensive plans are correlated with the General Plan of the State in-so-far as it relates to present and future development of the State.

ADMINISTRATIVE SERVICES OFFICE

Adelino Coito Departmental Fiscal Officer

The Administrative Services Office performs essential staff and supportive functions for the Board of Land and Natural Resources and for the Chairman, and in addition, supports the efforts of other staff offices and of the operating divisions of the department in carrying out their responsibilities.

Primary functions of the office include providing critical support in centralized purchasing for the entire department, receipt and accounting of funds, budget preparation for operating funds, expenditure control for all funds including both operating funds and Capital Improvements appropriations, and maintenance of accounts and records, inventories, and fiscal reports.

The office computes and develops payrolls for the department, and also computes and completes reports of Federal Funds reimbursements for all divisional programs

receiving Federal aid funds or grants. Monies are collected and deposited for various other agencies of the State Government, including the Department of Taxation, Department of Transportation, and the Department of Hawaiian Home Lands, and periodic reports are made to those agencies for their fiscal records.

The staff of the office prepare various fiscal and accounting reports, detailed analyses and recommendations, and provide technical advice to the Board, to the Chairman, and to Division Heads and Program managers relative to problems of fund management and budgetary control within the department. The recent advent of Electronic Data Processing, and the initiation of Planning, Programming, Budgeting System (PPBS) techniques for fiscal management and control of programs, has generally increased the degree of sophistication required in managing and reporting fiscal problems within the department. This increased sophistication is reflected in the total workload placed on this office.

PERSONNEL OFFICE

Andrew Seki

Departmental Personnel Officer

The Personnel Office maintains a comprehensive personnel program for the entire Department of Land and Natural Resources. A permanent staff of two persons provides service to six operating Divisions and two Staff Offices. During peak summer period the staff is augmented by an additional clerk. The staff provides services to the Chairman and to departmental personnel in such specialized areas as position classification, employee relations, and employee training and development; maintains a centralized system for processing, recording, reporting, and filing personnel transactions and records; and prepares recommendations for the adoption of personnel policies and procedures. As of June 30, 1969, there were 367 full-time employees. The Koko Head Job Corps Conservation Center, which had been administratively attached to this Department since its inception, was officially transferred to the Department of Labor and Industrial Relations on June 27, 1969. Responsibility for the Neighborhood Youth Corps (NYC) Program was transferred to the Department of Education on September 3, 1968.

In addition to the normal operations of the department, this office provided personnel and management services to the "Operation Mainstream" program (Nelson Amendment Program) administered by the State Parks Division and to the Divisions of State Parks, Forestry, Fish and Game, and Water and Land Development in hiring a total of 241 temporary student workers for the summer work program.

This office played a major role in assisting the Department of Personnel Services in their attempt to complete the classification of all administrative, professional and technical positions by the end of this fiscal period and in developing class specifications for those classes found in this department, namely: Aquatic Biologist series; Fishery Aids and Technician series; Wildlife Biologist series; Wildlife

Management Aid and Assistant series; Fish and Game Administrator; State Parks Administrator; and Irrigation Superintendent series. This Office will continue to assist in developing specifications for subprofessional positions within the State Parks program and the Forestry program, and also for those positions within the Land Management Division which have not yet been included in the Statewide Administrative, Professional and Technical Classification Plan.

The position of Personnel Officer vacated on October 31, 1966, was filled by the appointment of Mr. Andrew Seki on August 1, 1968.

PLANNING OFFICE

Gordon Soh

Program Planning Coordinator

The Planning Office assists the Chairman and the Board, as well as Division Heads and staff of the department in formulating broad guidelines for the conservation and development programs of the Department.

At the direction of the Chairman, the Planning Coordinator and staff outline departmental goals and objectives, and integrate divisional programs and projects within these major areas of responsibility. The office supervises the conduct of planning and research studies, and the formulation of long range plans for use of lands and natural resources under State control. The staff assist in the development of and coordinate departmental programs, and in connection with this responsibility, correlate the Capital Improvements Budget for the Department and maintain periodic review of the capital expenditures of the department in relation to achievement of goals and objectives. Professional planners in the office provide planning advice and coordinate the planning efforts of subordinate divisions to insure relationships of Divisional programs with departmental objectives.

The Planning Office staff also carries out the relatively routine administrative duties of administering the Department's regulation for land uses within Conservation Districts in the State. The Planning Coordinator was deeply involved in preparation of legislative materials, and in offering testimony before Legislative Committees.

Much staff time was expended in supporting the development plans of the department and other private and public agencies, by examining plans for development and construction within or adjacent to Conservation Districts, and reviewing plans and disposition requests for beach and national parks, school complexes, and other governmental related developments.

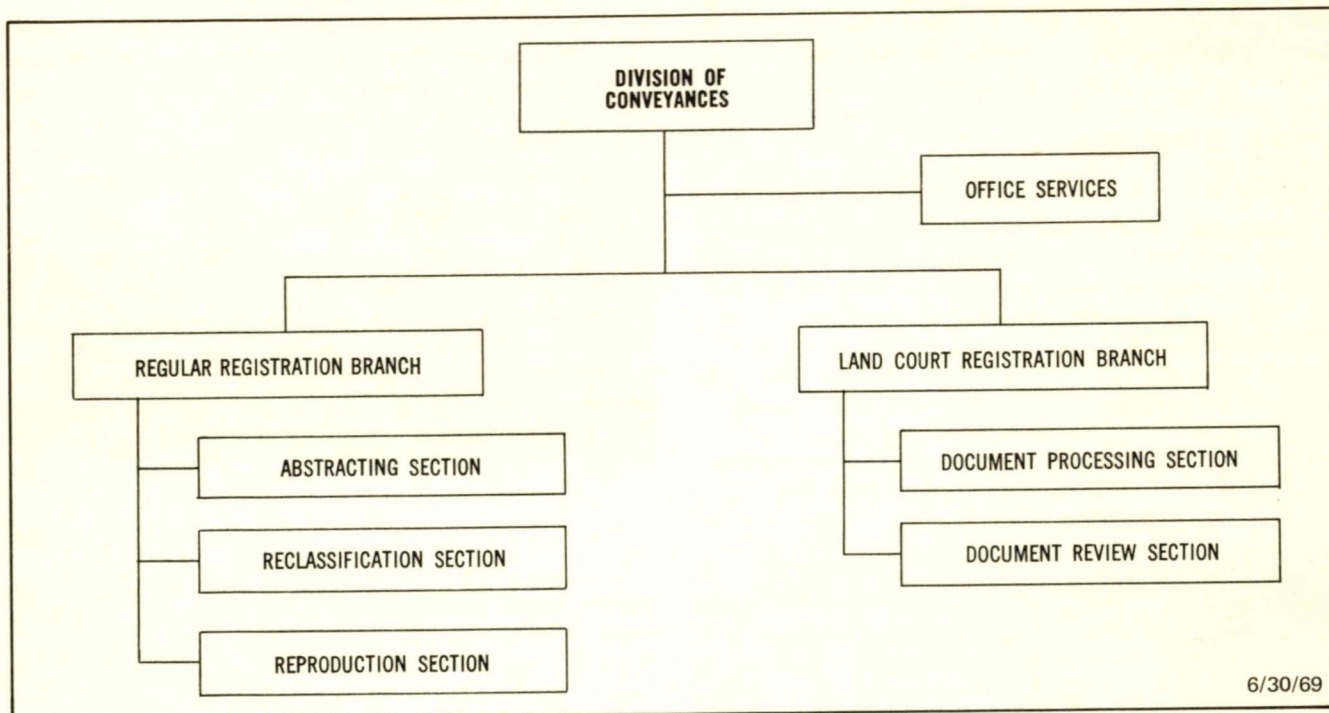
Major personnel changes occurred within the Planning Office during the year, with an almost complete turnover of the staff. Mr. Paul Tajima resigned on August 15, 1968 to enter private business. Mr. Gordon Soh assumed the position of Program Planning Coordinator in early November 1968. Other transfers and resignations, and new appointments resulted in an almost new staff present at the end of the reporting year.

SECTION 2

Division of Conveyances

MICHIKI ADACHI, Registrar of Conveyances

ORGANIZATION CHART — DIVISION OF CONVEYANCES



RECORDATION

The principal functions of the Bureau of Conveyances are to receive, file, record, index, maintain and preserve all legal and land title documents and maps affecting land titles in the State of Hawaii, as well as the preparation and issuance of certified copies of any matter of record.

The Bureau is the sole agency within the State authorized to receive and register all land title documents and maps. During the past fiscal year, the Bureau received and recorded 90,502 documents, an increase of 5,580 documents over the previous fiscal year. Fees collected by the Bureau for the past fiscal year was nearly \$460,000 as compared to \$411,000 for the previous fiscal year, while disbursements amounted to \$339,000 as compared to \$332,000 for the previous fiscal year. Once again, the Bureau was able to operate economically by collecting more than it expended.

Additionally, the Bureau collected about \$406,000 in conveyance taxes for the Department of Taxation, while collections for the previous fiscal year amounted to \$263,000. The value of real property transferred was nearly \$810,000,000, surpassing the previous fiscal year by nearly \$281,000,000. Of this \$810,000,000, \$327,000,000 represents leasehold value of property transferred.

The land title registration programs of the Bureau are guided by Chapters 501, 502 and other related chapters of

the Hawaii Revised Statutes. Due to the different legal and procedural requirements contained herein, the general functions of the bureau are divided into two main branches and a servicing section.

The Land Court Registration Branch is primarily concerned with the filing, processing, indexing, maintaining and preserving of all land title documents and maps affecting title to land registered in the Land Court entitled to registration, the issuance of Land Court Certificates of Title guaranteed by the State, and with the preparation and issuance of certified copies of any matter of record.

The Regular Registration Branch is primarily concerned with the recording, processing, indexing, maintaining and preserving of all legal and land title documents and maps affecting unregistered land entitled to recordation, and with the preparation and issuance of certified copies of any matter of record.

The Office Services Section, primarily services the Land Court Registration and the Regular Registration Branches. The principal functions of this Section are to receive for registration all legal and land title documents and maps entitled to registration in either branch, to receive and process all orders for certified copies of matters of record, to deliver processed documents and maps to parties recording them, to collect and deposit all fees and conveyance taxes due, and to assist and service the public desiring information and use of our records.



Checking and splicing processed microfilms.

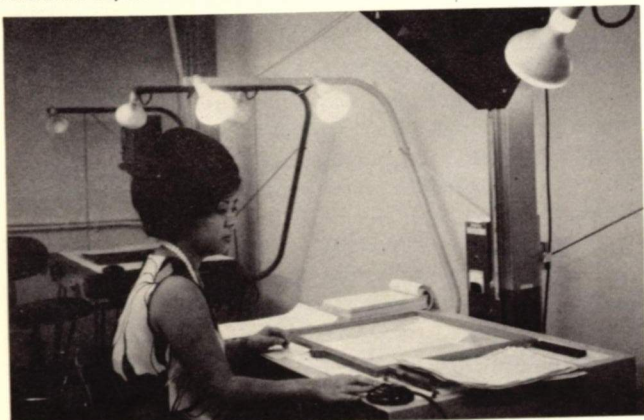
OTHER ACTIVITIES

Microfilming — Land Court Registration Branch

During the past fiscal year, the second microfilm contract, for the security microfilming of Land Court documents was completed with Bell & Howell Company. The two contracts to date have resulted in the microfilming of 290,000 of 473,000 documents or approximately 900 rolls of 35mm film. The third and final contract, which will be awarded during FY 1969-70 will result in the microfilming of nearly 135,000 documents. Beginning with FY 1970-71, the Land Court documents security microfilming program will be a continuing program of the Microfilm Section in the Regular Registration Branch.



Operating Bruning Copytron machine to make reduced size public reference copies of recorded documents.



Microphotographer recording land title documents with 35mm microfilm planetary camera.

Microfilming — Regular Registration Branch

The Bureau continued to microfilm current Regular Registration Branch daily documents on its Recordak planetary microfilm camera. These recordings, placed on 35mm film, required 177 rolls of film as compared to 140 rolls the previous fiscal year.

The Bureau is also continuing to microfilm old libers, accumulated prior to the acquisition of its microfilm equipment. To date 2,815 libers of a total of 4,542 libers have been filmed. The Bureau has also microfilmed 17,000 of 30,700 Veteran's Discharge Certificates for security and copy purposes. The remaining 13,700 Veteran's Discharge Certificates will be microfilmed within FY 1969-70.



Document receiving clerks examining and receiving land title documents.

The security microfilming is continually being carried out in addition to the daily microfilming of current work. All original microfilms are currently being stored with the State Archives or until such time as a more appropriate State facility is completed. Duplicates of all microfilms are kept in the Bureau and are used to produce certified copies and for reference purposes. During this past fiscal year, the Bureau supplied other governmental agencies 6,118 pages of its records. This was in addition to sales of copies to the general public. The sales of certified copies amounted to \$10,816.90.

The Bureau is also continuing to make reduced size visual prints of all Regular Registration Branch current recordings for public reference purposes. 485-475-page libers were required for the visual prints as compared to 406-475-page libers for the previous fiscal year.

Condominiums

The Land Court Registration Branch accepted 27 condominium maps representing 2,522 units as compared to 7 condominium maps representing 714 units during the previous fiscal year.

The Regular Registration Branch, accepted 33 condominium maps representing 2,286 units as compared to 15 condominium maps representing 745 units for the previous fiscal year.

Legislation

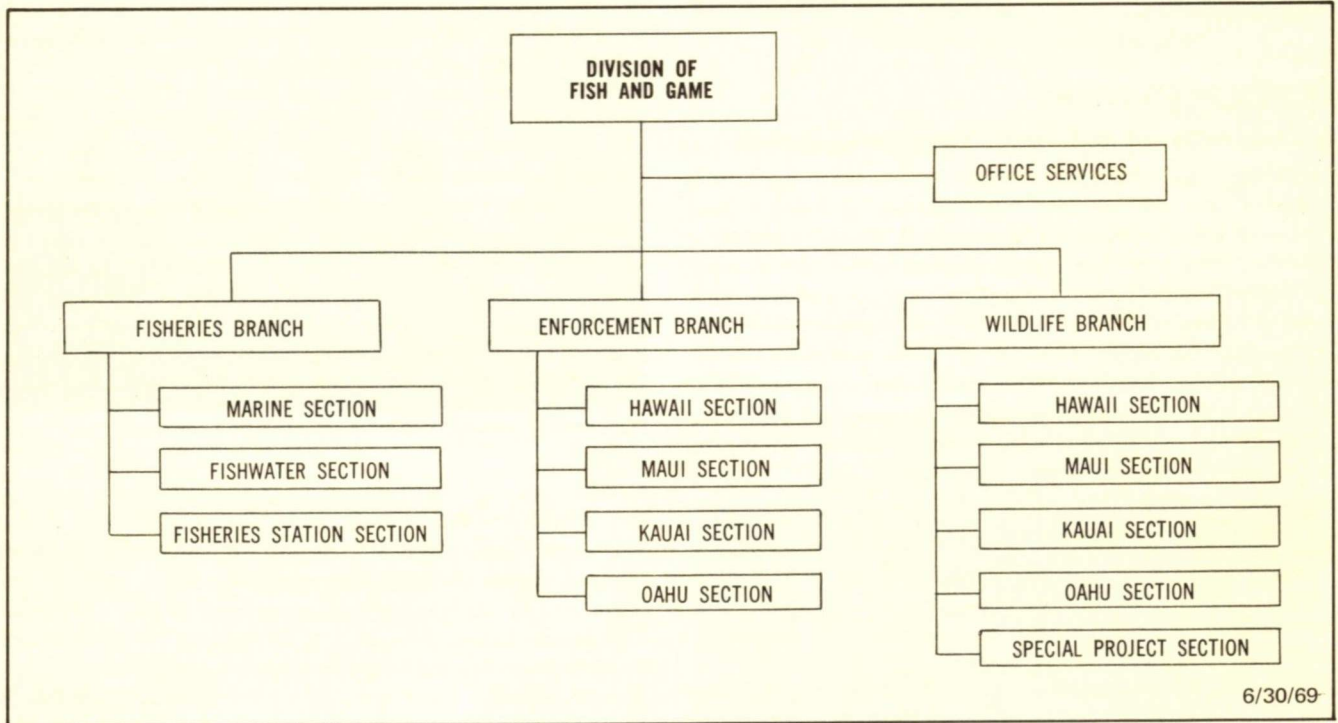
Act 11 of the 1969 Legislative Session provides that the Registrar accept for recordation, Certificates of Separation from the Armed Services, from resident veterans. Prior to the passage of this Act, only Honorable Discharge Certificates were acceptable for recordation.

SECTION 3

Division of Fish and Game

MICHIO TAKATA, State Fish and Game Conservationist

ORGANIZATION CHART — DIVISION OF FISH AND GAME



The Division of Fish and Game administers the State's fish and wildlife programs. It is generally concerned with research, development and management of the fish and wildlife resources. The task of discharging this responsibility was carried out by the division's 65 permanent employees aided by the fine support of personnel elsewhere in the department.

Major emphasis was placed during the year in the improvement of quality outdoor recreational opportunities by acquiring, developing and operating fishing and hunting areas and stocking them with game species; in the enhancement of the longline tuna fishing industry by increasing its long range fishing capabilities; and in the development of commercial oyster and prawn industries by improving aquaculture techniques. Special attention was also given to the improvement of fish and wildlife enforcement effectiveness through the institution of a citation system in all counties of the State.

LEGISLATION

Five legislative measures relating to operations of this division were adopted by the State Legislature during its 1969 session.

House Resolution No. 197 requests the Department of

Land and Natural Resources to aid hunters in gaining access to State lands on Oahu. The problem of public access to State lands and waters for recreational purposes exists on all islands but is most critical on Oahu where these areas are exceedingly limited in relation to population. The access requirements for the whole range of recreation seekers will be evaluated and action initiated that will benefit the greatest number of people.

House Resolution No. 208 requests the Department of Land and Natural Resources to prepare a shark control plan to combat the possible increase in the non-pelagic shark population. A continuous, systematic shark research and control program has been the most effective approach to this problem, but alternative approaches are being evaluated.

House Resolution No. 216 requests the Department of Land and Natural Resources to develop a comprehensive fish and wildlife plan for the State of Hawaii. Such a plan is essential in order to provide for the projected future demands that will be made upon our fish and wildlife resources. Sources for funding the preparation of a plan are now being explored.

Act 181 exempts vessels constructed under the Fisheries New Vessel Construction Loan Program prior to July 1,

1969 from the Use Tax Law (Chapter 238, HRS). Since vessels constructed under this loan program will be used to harvest fishery resources heretofore beyond the reach of our fishing fleet, numerous uncertainties will be encountered and therefore an element of risk is involved. Thus, this tax relief will be of material aid especially during the initial trial fishing phase of this new fishing venture.

Act 186 encourages landowners to make land and water areas available to the public for recreational purposes by limiting their liability toward such recreationists. This legislation will undoubtedly facilitate our efforts in providing increased fishing and hunting opportunities to the public.

FISHERIES

The Fisheries program centered on the management and development of both the freshwater and marine renewable aquatic resources for wisest and optimal utilization. Projects included introduction, stocking and establishment status survey of various exotic freshwater and marine fishes and invertebrates to enhance recreational as well as commercial fishing; the development of new commercial fisheries; the development and management of artificial shoals, public fishing areas and sanctuaries; and the conduct of

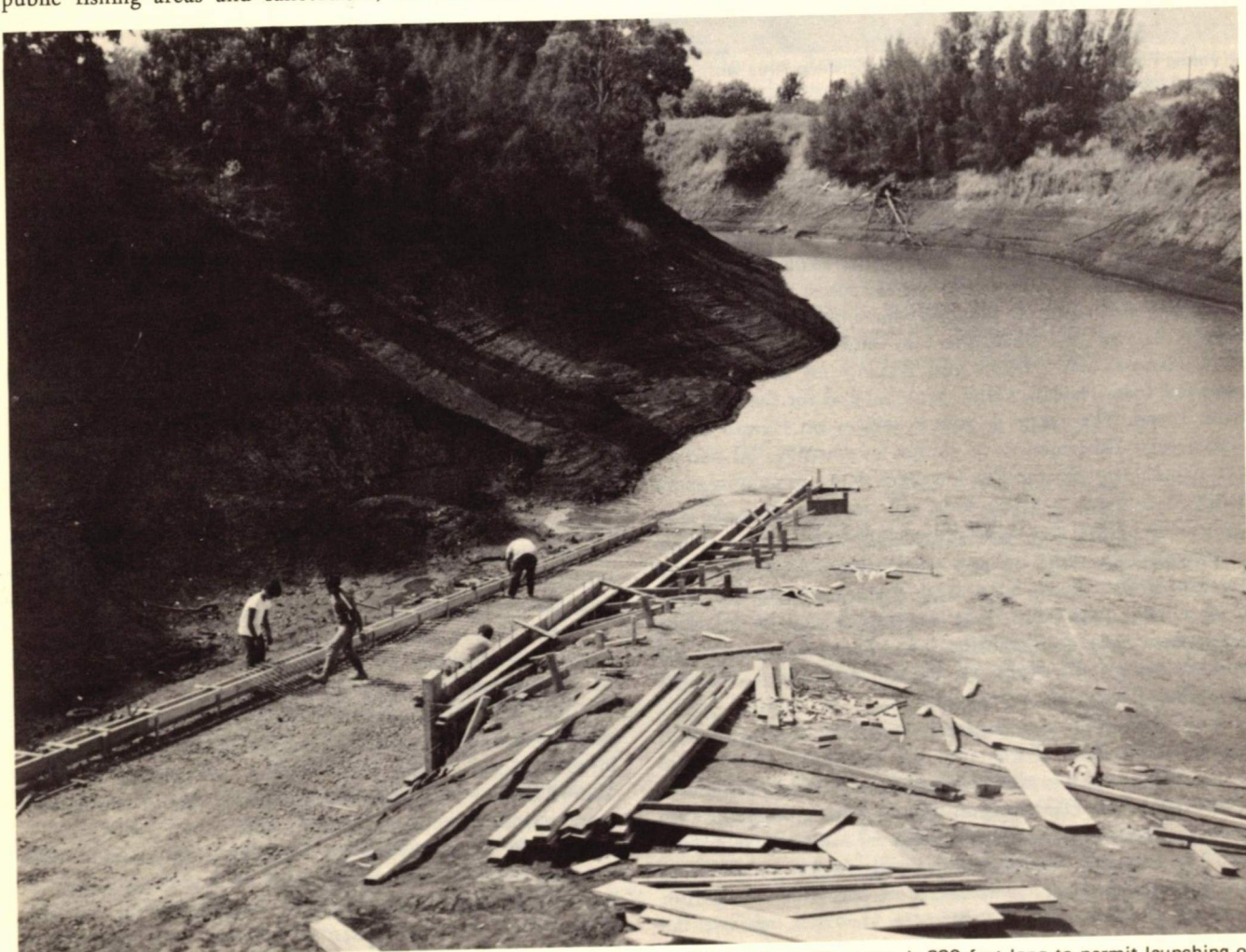
biological studies oriented towards the gathering of data needed to regulate the varied fisheries.

Fish and Shellfish Introduction

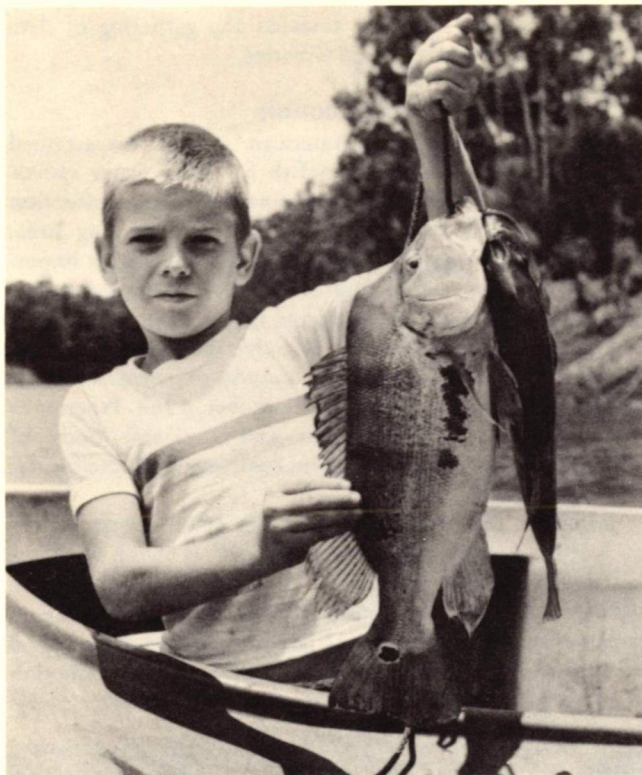
Tucunare. This South American species has attained notable status as a new gamefish for fresh water sports-fishermen in Hawaii. Creel census and fishermen interview data, particularly from the Wahiawa Public Fishing Area, show that the tucunare is becoming an increasingly important part of the catch, and is rapidly developing a fine reputation here as a game and food fish.

To secure information for effective management of this species under local conditions, a study of selected aspects of its life history was initiated in October, 1968. Progress in this study has been excellent and a sizable body of knowledge of the species and its environmental conditions is being amassed.

Rainbow Trout. Hatchery facilities at the Keehi Fisheries Station were operated during the period March 12–June 4, 1969, following alterations of the system to improve water circulation. Two shipments of some 50,000 eyed eggs each were imported from a mainland Federal hatchery, and were processed during this period, with a total production of some 91,500 fingerlings. Virtually all of these fingerlings



Boat launching ramp and dock under construction at the Wahiawa Public Fishing Area. The ramp is 280 feet long to permit launching of boats even with a water level drop of 30 feet.



A young fisherman in the Wahiawa Public Fishing Area with a fine catch of tucunare.

were released into the streams of the Kokee Public Fishing Area on Kauai.

Grouper and Snappers. The documentation of captures and sightings of the six species of groupers and five species of snappers introduced into Hawaiian waters between 1955 and 1961 was continued. Since October 1966, the grouper, roi (*Cephalopholis argus*), and the snappers, toau (*Lutjanus vaigiensis*) and taape (*L. kasmira*), have been open to public fishing. During the year, the toau and roi were reported from Hawaii, Maui, Oahu and Kauai, and the taape was reported from Hawaii, Oahu, Molokai and for the first time from Lanai. The taape is now common on Hawaii where commercial fishermen have caught as much as 50 pounds per fishing trip off the Puna coast. Of the remaining eight other introduced species, only the grouper, rero (*Cephalopholis urodelus*) was sighted during the year.

Prawn. Tabulation of data on sightings and recoveries of *Macrobrachium lar*, a large fresh water shrimp introduced from Guam and Tahiti, was continued. One outstanding occurrence was the sighting of 175 specimens in the mid-reaches of the Waimanu Stream on Hawaii, during a limnological survey in July, 1968.

Top Shell. The establishment status of the top shell or Trochus (*Trochus niloticus*) which was introduced from Guam and released in the vicinity of the Pyramid Rock area of Kaneohe Bay, Oahu was monitored during the year. Two underwater surveys made at the site of release gave counts of 72 and 44 live trochus respectively. As yet, evidence of trochus reproduction has not been uncovered.

Quahog Clam. After a year in Hawaiian waters, the quahog clams (*Mercenaria mercenaris*) introduced into Kaneohe Bay, Oahu from Connecticut have grown from an

average size of 1¼ to 1¾ inches in length. When first introduced the largest clam measured 1 5/8 inches while the largest clam now measures 2 3/8 inches in length. The clams have adjusted well to Hawaiian conditions with a survival rate of 80 percent.

Abalone. Experimental introductions of abalone are being made to determine the survival and reproduction of this shellfish in Hawaiian waters. The Green Abalone (*Haliotis fulgens*) and the Pink Abalone (*H. corrugata*) are being shipped to us periodically by the California Fish and Game Department for studies being conducted at Coconut Island, Oahu by the Hawaii Institute of Marine Biology.

Limnological Survey

Limnological surveys of eleven streams, all on the island of Hawaii, were carried out during this report period. Seven of these streams were found to offer good potential for future development as public fishing areas. This now brings the total number of streams surveyed on Hawaii to forty-two.

On a state-wide basis, a total of 139 streams has been surveyed to date, and favorable conclusions on potential for future development have been reported for 117 of these streams, suggesting a very promising outlook for augmentation of fresh water fishing areas in the State.

Action was initiated towards publication of a catalog of streams throughout the State, based on information accumulated during this period.

Public Fishing Areas

Kokee PFA, Kauai. Fishermen checking station data collected during the 1968 trout fishing season showed that 323 fisherman-trips resulted in the taking of 317 trout. Some 1,036 fishing hours were expended, for an average of a little over 3 hours per fish. This was obviously a very poor season.

Wahiawa PFA, Oahu. Construction of fishermen facilities, consisting of an access road, parking lot, and an unusually long boat launching ramp and dock (designed to accommodate extreme fluctuations in water level) was started in July, 1967. Good progress was made until October, 1967, with favorable low water conditions. However, very heavy rainfall and consequent high water forced postponement of work until July, 1968. Subsequently, work was resumed and the project was completed in September, 1968.

Creel census and fishermen interview data collected during calendar year 1968 indicate continuing heavy usage of the Wahiawa PFA by the fishing public. An estimated 14,707 fisherman-trips were made to this facility during the calendar year 1968, and that some 34,523 hours were spent in recreational fishing. It is further estimated that about 18,840 fish weighing 13,086 pounds were caught during the same period.

Waiakea PFA, Hawaii. Six artificial fish shelters, constructed of transite pipes obtained from the State Surplus Property Branch, were installed in this facility in May, 1969. This was done pursuant to recommendations of fishermen utilizing the area, to improve the fish habitat and to enhance accessibility of the fish to shoreline fishermen.

No assessments of the effects of the shelters have yet been made.

Recreational Fishing Survey

A study to determine the economic value of recreational fishing in Hawaii was contracted to the Department of Agricultural Economics of the University of Hawaii. When completed in June 1970, this study should provide information on (1) the intensity of various kinds of recreational fishing activities, (2) the amount of money spent by people for goods and services connected with recreational fishing activities, and (3) the influence of this spending toward the production of goods locally instead of goods imported into Hawaii. The survey will allow the division to project future recreational fishing needs in the State.

Artificial Shoals and SCUBA Reconnaissance of Inshore Areas

Over the past several years, artificial shoals have been created at Maunalua Bay and Waianae on Oahu and at Keawakapu on Maui to attract and concentrate high densities of fishes in formerly barren areas. During the year, an additional 450 tons of damaged concrete pipes were sunk at the Waianae shoal, bringing the total quantity of materials placed at the shoal to 3,900 tons of concrete pipes and 94 car bodies. This year, before the additional pipes were added to a section of the shoal containing only a few pipes, an underwater survey revealed a count of 59 different species of fishes at a density of 470 pounds per acre. With the addition of the pipes, however, the density of fishes in this area has nearly doubled. At the Maunalua Bay shoal this year's underwater transect revealed a standing crop composed of 56 different species of fishes and a density amounting to an estimated 984 pounds per acre.

Reef and inshore fish population studies were continued at Kealakekua Bay and Honaunau Bay on Hawaii on a quarterly basis. Fish surveys at seven (5 at Kealakekua and 2 at Honaunau) permanently established underwater transect stations revealed as many as 120 different species of fishes and an average standing crop density of 243 pounds per acre. The yellow tang (*Zebrasoma flavescens*) and kole (*Ctenochaetus strigosus*) were the most common species noted. The results of the studies are incorporated into the report, "Biological and Physical Features of Kealakekua Bay, Hawaii", University of Hawaii, Hawaii Botanical Science Paper, No. 8, December, 1968.

Management Oriented Biological Investigations

Biological investigations designed to provide information upon which to base management regulations were continued during the year on the akule (*Trachurops crumenophthalmus*), Kona crab (*Ranina serrata*), spiny lobsters (*Panulirus japonicus* and *P. penicillatus*) and moi (*Polydactylus sexfilis*). The studies show that the akule is relatively non-migratory. It matures from the young hahala-lu stage within a 12 to 18-month period and the fishery is supported primarily by fish that are less than two years old.

The Kona crab has also been found to be relatively

non-migratory. This crab attains sexual maturity when about two years old. The females are capable of bearing and hatching two groups of eggs during the spawning season that extends from June through August. Growth increment is realized only with each molt and although significant growth is made per molt, both the molting frequency and the growth increment decrease with age. For the older age groups, the males of the species are larger than the females of the same age. The carapace length of males five years old averages about 4 inches while that of females of the same age averages about 3½ inches.

The spiny lobsters in Hawaii seem to grow very little at each molt and therefore require a period of possibly six years before reaching the legal harvestable size of one pound. Female spiny lobsters are very prolific, laying eggs as many as four times a year.

On the other hand, moi grows very rapidly attaining first maturity as males within a period of one to two years at an average size of about 9½ inches in fork length. During its second to third year of life, at an average size of about 12½ inches fork length, the fish then transforms into a hermaphrodite wherein both sperms and eggs are present in the gonads following which it transforms completely into a female. All moi larger than 16½ inches fork length were found to be fully transformed females.

The development of commercial oyster cultural techniques for the American oyster (*Crassostrea virginica*) was continued during the year. Experiments conducted in Hawaiian fishponds showed that seed oysters grow best when cultured in the surface layers of water. Reared in trays, seed oysters from West Loch, Pearl Harbor, have grown to commercial size of three inches in a year's time.

The 1968 recreational clam season was relatively poor with an estimated 28,000 participants harvesting about 8,000 gallons of Manila clams (*Venerupis philippinarum*) from the southeastern portion of Kaneohe Bay, Oahu. The low production of legal size clams this year was probably the result of poor spawning and survival during the previous year.

Prawn Culture

The development of techniques for the mass rearing of the giant long-legged prawn (*Macrobrachium rosenbergi*) was continued. Establishment of a commercial prawn culture industry in the State was brought a significant step closer to reality with the successful production of 700,000 juvenile prawns during the year. This production, representing a marked increase over the 200,000 prawns produced in the previous year, demonstrates that sufficient numbers of young prawns can be propagated to supply commercial prawn farmers. Efforts are now being directed to reduce production costs from the present \$6.47 per thousand to a more reasonable cost of about \$2.00 per thousand.

The number of privately owned fishponds cooperating with the Division for the purpose of test rearing young juveniles to marketable size, increased from two to nine during the year. These ponds vary from one-fourth to six acres in size and have a combined surface area of about 10 acres. Approximately 207,000 juvenile prawns were stocked into these ponds. Improvement in the growth rate

of pond reared prawns was obtained through the use of supplemental feed. Where previously two years were required to raise a prawn from egg to marketable size, this can now be done in a little more than one year.

Attempts to establish wild stocks of prawns were continued with the release of 128,000 prawns in various streams throughout the State.

New Fishing Vessel Construction Loan Program

The *M. V. Kilauea*, constructed with funds from this program was dedicated in May of this year at Kewalo Basin in Honolulu, Oahu. The modern 79-foot, steel vessel will be capable of long-lining for tuna in areas far beyond the range of our present fishing fleet.

Marine Life Conservation Districts

Marine Life Conservation Districts are established to provide complete protection to everything, both living and nonliving, and for the restoration and preservation of the flora, fauna and natural beauty of underwater features. The Hanauma Bay Marine Life Conservation District on Oahu, established last year, was the first of its kind in Hawaii. This year, the second Marine Life Conservation District was established at Kealakekua Bay, Hawaii, by regulation of the Board of Land and Natural Resources. Unlike Hanauma Bay where the primary purpose of establishment was to restore the area from a state of overexploitation, the Kealakekua Bay Marine Life Conservation District was

established to preserve the relatively undisturbed conditions of the area.

Commercial Fish Landings

Commercial landing of fish and shellfish in the State of Hawaii during the 1968-69 fiscal period totaled 11,096,116 pounds valued at \$3,378,553 to the fishermen. Compared with the previous year, the State catch showed a decrease in landings of 1,733,210 pounds or 13.5%. However, because of the generally better prices that prevailed, the total ex-vessel value of this year's catch showed an increase of \$124,931 (3.8%) over the previous year.

The lower total harvest was due largely to decreased landings of aku (*Katsuwonus pelamis*) which dropped by 1,453,033 pounds or 16.1%. Other important fisheries that reflected lower production were the yellowfin tuna (*Neothunnus macropterus*) by a decrease of 108,262 pounds or 23.3%, akule (*Trachurops crumenophthalmus*) by 215,826 pounds or 20.8% and striped marlin (*Makaira audax*) by 172,572 pounds or 35.0%. On the other hand, fisheries that reflected increased landings were as follows: bigeye tuna (*Parathunnus sibi*) by 95,552 pounds or 19.5% and opelu (*Decapterus pinnulatus*) by 53,811 pounds or 27.7%.

Oahu led the islands in landings with 9,027,407 pounds or 81.4% of the total State landings followed by Hawaii with 897,134 pounds or 8.1%, Maui with 847,269 pounds or 7.6%, Kauai with 282,830 pounds or 2.5% and Lanai and Molokai combined contributing 41,476 pounds or 0.4%.



Two successful hunters return from shooting stakes at the Barbers Point Public Hunting Area on Oahu. Their bag includes both barred and lace-necked doves.

WILDLIFE

Major efforts in the Wildlife Research and Management program were devoted to the development, maintenance and operation of public hunting areas; management of game populations to provide sportsmen with good hunting opportunities; improvement of the game resource through the introduction and establishment of desirable game species; and the preservation of beneficial and esthetically pleasing wildlife.

Public Hunting Areas

Public hunting is controlled through regulations of the Board of Land and Natural Resources on approximately 1,000,000 acres of game producing land throughout the major islands of the State. These areas include State lands under the control of the Department of Land and Natural Resources; State and Federal lands under the control of other government agencies, on which public hunting is regulated by the Board by agreements with the controlling agencies; and, private lands on which the hunting rights were secured through cooperative agreements. Within this total acreage, 18 areas consisting of some 509,000 acres have been designated game management areas because of their outstanding game producing capabilities. These areas are more intensively developed and managed. Hunting on game management areas is closely controlled, thereby making possible the collection of reliable hunting statistics.

The reported harvest of game mammals from game management areas decreased by 31% from the previous year (see Table 1). This was due primarily to the reduction from four to two months in the rifle hunting season on the Mauna Kea Game Management Area. During this season, hunters made 2,623 trips and harvested 677 feral sheep, 262 pigs, and 27 goats, for an over-all success rate of 32 percent. During the annual axis deer season on Lanai, 1,268 hunters bagged 574 deer for a success rate of 45 percent. On Molokai, 869 hunters bagged 259 deer during a seven-weekend season for a success rate of 30 percent.

Table 1 Big Game Harvest on Public Hunting Areas During 1967-1968 and 1968-1969.

Species	1967-1968	1968-1969
Feral pig	1,678	1,387
Feral goat	2,388	2,347
Feral sheep	1,920	908
Axis deer	1,237	847
Mouflon sheep	0	8
Total Mammal Harvest . . .	7,223	5,497

Unfavorable weather conditions during spring and summer resulted in a general decline in game bird populations. Most noticeable was the decline in the harvest of lace-necked and barred doves on Oahu, followed by a reduction in the number of chukar partridge harvested on the Lanai and Mauna Kea Game Management Areas. The Statewide game bird kill data for the year is presented in Table 2, along with comparable figures for the previous year.

Table 2 Game Bird Harvest on Public Hunting Areas During 1967-1968 and 1968-1969.

Species	1967-1968	1968-1969
Pheasant	1,358	1,832
Chukar partridge	1,860	1,399
Grey francolin	1,411	1,181
Black francolin	112	371
Quail (Valley, Gambel's, Japanese)	878	780
Lace-necked dove	4,886	2,577
Barred dove	5,231	3,798
Total Game Bird Harvest .	15,736	11,938

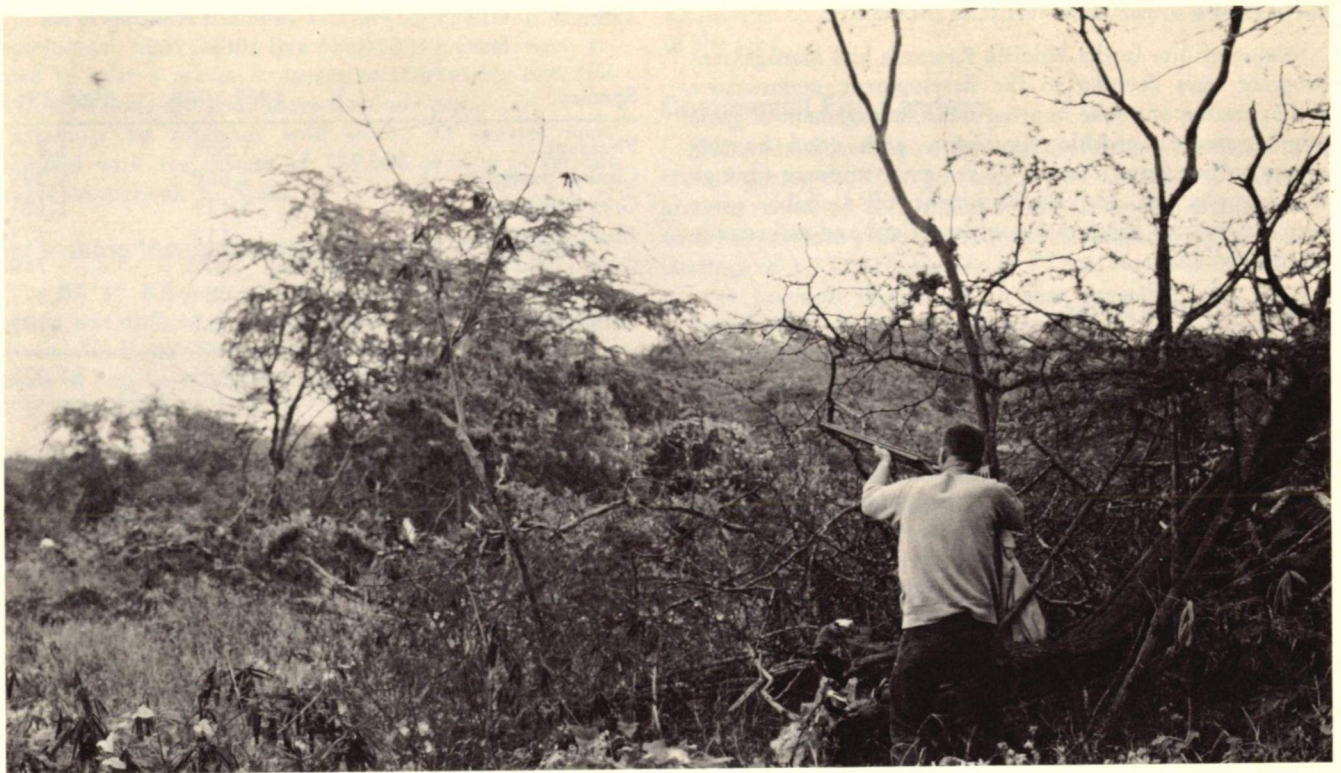
For the third consecutive year, a special dove hunting area on private land at Barbers Point on Oahu was opened to public hunting. Sportsmen again enjoyed excellent hunting due to the proximity of the area to a large cattle feed lot, which attracted lace-necked and barred doves in fantastic numbers. A total of 5,201 doves of both species was harvested on this small 80-acre hunting area during the 23-day season.

A cooperative agreement between the State and the Kekaha Sugar Company resulted in the addition of 22,833 acres of land to the Kekaha Game Management Area on Kauai. This addition was open to public hunting for the first time during the annual game bird hunting season. Hunter pressure in the enlarged area was three times greater than that of the previous year, with a reported harvest of more than 500 game birds.

Maintenance of service and hunter access roads and trails, game watering devices, fences, and hunter checking stations, continued to be a major activity. Replacement of deteriorating water tanks in the Puu Ka Pele Game Management Area was carried out during the year, with the erection of a pre-fabricated 1,000-gallon rubber water unit on Polihale Ridge. Two additional 500-gallon redwood water tanks were constructed for replacement of old units on Makaha and Kauhao Ridges.

A 14,000 square foot enclosure was completed on Milolii Ridge to determine the effects of feral goats on this range, and two half-acre enclosures were erected on Polihale Ridge to measure the effects of blacktail deer on this range. A storage shed was built at the Division of Forestry nursery site in Lihue to provide much needed covered work space for development and maintenance projects.

Habitat improvement work was initiated on Maui, and continued on Lanai, Molokai and Hawaii. Strips were bulldozed through thick brushland in the Kula-Kahikinui Game Management Areas on Maui. These strips were cleared with a minimum of disturbance to the soil and have created conditions conducive to vigorous growth of seed producing plants. The resultant production of game bird food and cover plants should increase the productivity of this game management area. On Lanai, more intensive site preparation on eroded areas was completed, and a greater variety of experimental food and cover plants was planted. A contract was let for the thinning and clearing of 200 acres in the Kaohe Game Management Area on Hawaii, and excellent progress was being made at the end of the fiscal year.



Hunter takes aim at lace-necked dove (upper left corner of picture) at the Barbers Point Hunting Area on Oahu.

The operation of hunter checking stations to gather hunter participation and game kill statistics was continued. Posting of boundary, safety zone and other signs was also continued.

Wildlife Introduction and Research

Game. No new game mammals were introduced during the report period. However, populations of previously introduced animals were monitored to determine their adaptation and range extension.

The Kauai blacktail deer herd continued to increase during the year. Population studies using a habitat-grid technique revealed that an estimated 450 deer inhabit the Puu Ka Pele Game Management Area. The normal mainland cycle is being followed by the deer, although a single case of an early fawn was recorded in February. There were no known mortalities and the general health of deer observed in the field appeared excellent. Most of the deer have remained in the Puu Ka Pele area, but a few individuals have wandered as far as sixteen miles from the original release site. Food habit studies indicated that the deer are feeding on 23 species of introduced plants and four species of common native plants, none of which show signs of being excessively browsed.

The pronghorn antelope population continues to be static at a level somewhat less than 200 animals. No hunting of pronghorns was permitted during the year. It is not known what factors are inhibiting increase of this herd.

Only eight mouflon sheep were taken during the past season. This population is increasing, but dense cover definitely favors the animal over the hunter.

The small flock of mouflon sheep on the Mauna Kea

Game Management Area continues to inhabit the eastern portion of the mountain. They are still found in small bands, primarily in the Kahinahina and Kole areas. Lambing has been excellent and surveys indicate the possibility of an experimental season in a year or two.

The feral sheep population on Mauna Kea was monitored frequently to determine population size and distribution as influenced by the hunting season. Ground counts were made to obtain sex and age ratios, and to assess browse conditions on the range. Approximately 40 percent of the adults identified as to sex during these ground counts were rams. Lambs were primarily in the three-fourths size class and represented approximately 20 percent of the total population. Some improvement of the mamani tree line was evident in portions of the game management area. However, heavy browse damage was being inflicted on the forest below the tree line. The feral sheep have been utilizing the lower forested areas because of the reduced season and consequent lower hunter pressure.

An aerial count of the Mauna Kea Game Management Area provided a population index of 2,500 sheep by actual count. Poor coverage of Areas A and B is probably responsible for this small index. The population is estimated to be closer to 3,000 animals.

No introduction of new game birds was made during the year. The Erckel's francolin continues to increase in numbers and extend its range on Lanai. There is an insufficient population at this time to support a hunting season for this species.

At the end of June, 10 female axis deer destined for shipment to Hawaii were in captivity on Lanai and undergoing a testing program. Preliminary examination indicated that the animals were free of tuberculosis,

leptospirosis, and brucellosis. The test for anaplasmosis has been administered and the waiting period of 90 days is being observed. It is planned to trap additional animals.

Non-Game. The Nene Restoration Project was continued during the year under a \$25,000 contract grant from the Bureau of Sport Fisheries and Wildlife, U.S. Fish and Wildlife Service. Another record season for the production of nene was achieved at the Pohakuloa propagation facility with the rearing of 156 goslings, an increase of 33 over the previous season. The increase is the result of a larger breeding flock, improved fertility, and improved hatching techniques. During the year 265 nene were released into the wild; 42 on Maui in Haleakala Crater; 33 at Keauhou 2 on Hawaii, and 190 at the Kahuku Nene Sanctuary, also on Hawaii.

Nene production in the wild was adversely affected by very severe winter weather. A total of fourteen nests was located on Maui, and a brood of three goslings less than one week old was observed. An unexpected 36 inches of rain in three days, plus a heavy hail storm killed these goslings and precipitated mass desertion of nests under incubation. The brood of three goslings that failed to survive represents the first definite record of reproduction in the wild on the Island of Maui.

On Hawaii, several young were reared in the Kahuku and Keauhou 2 Nene Sanctuaries. However, nest failure was very high. Counts of nene on the summer "flyway", which is located between a roosting area on the Puu Oo Ranch and feeding grounds on the slope of Mauna Loa, were very encouraging. In July of 1968 a high count of 45 birds was obtained, while in June of 1969 a total of 114 birds was observed crossing the Saddle Road on the "flyway".

On October 30, 1968, two koloa ducks, apparently remnants or offsprings of a release made in 1959 were seen in Kamuela on the island of Hawaii. To augment the initial release, 52 young koloa from the Pohakuloa Project were released in the Kohala Mountains in December. Annual releases of koloa are planned for the next few years at the Kohala release site.



A staff warden checking deer tag attached to Axis deer bagged by a hunter during the annual deer hunting season on the island of Lanai.

On Oahu, 32 koloa were released at the Kawainui Swamp in January 1969, and several were released at the Honolulu Zoo.

A preliminary delineation of the native forest bird habitat was completed and a field survey to define the areas which are critical to the survival of the rare species was initiated. Field trips on Oahu resulted in the positive identification of the Oahu creeper (*Loxops maculata maculata*), a native honeycreeper whose presence had not been verified for more than 20 years. This field survey is being coordinated with work on our rare and endangered birds being performed by biologists of the U.S. Bureau of Sport Fisheries and Wildlife.

Wildlife Refuges and Sanctuaries

A wildlife biologist made one trip to the Kure Wildlife Refuge, 1,400 miles northwest of Oahu to assess the effects of U.S. Coast Guard activities on wildlife on the atoll. Censuses of the rare Hawaiian monk seal revealed a maximum of seven using Green Island, where the station is located, and 38 on the relatively isolated sand spits within the confines of the atoll. A program to minimize disturbance to these animals was formulated with the Commanding Officer of the station. Routine biological surveys were also made with particular attention to the exotic weed infestation and Polynesian rat depredation problems.

Preliminary negotiations were made with the Trustees of the Bishop Estate for the establishment of a cooperative wildlife sanctuary area at Opaepa Pond at Makalawena, Kona. This is one of the most valuable areas utilized by the Hawaiian stilt and coot.



Oahu's new marine patrol craft, the "Malama Kai".

Enforcement

Fish and Game Law Enforcement activities were focused on the enforcement of fish, wildlife, and firearms laws and regulations. These activities were carried out by a staff of 24 regular fish and game wardens assisted by a corps of over 100 voluntary deputy fish and game wardens who contributed a total of 6,900 hours toward a wide range of enforcement activities.



Staff warden writing out citation for a fish and game violation.

Enforcement activities during the report period are summarized as follows: Patrolled 280,434 miles by vehicle, 1,837 miles by boat, and 1,398 miles on foot; conducted 679 stakeouts; made 41,664 contacts with marine fishermen, 2,007 contacts with freshwater fishermen, and 9,522 contacts with hunters; made 7,026 inspections of commercial and sport fishing crafts, 3,067 inspections of fish markets, 584 inspections of fish peddlers, 114 inspections

of restaurants, 23 inspections of game farms, and 570 inspections of license agents; and investigated 140 complaints. The foregoing enforcement effort resulted in 96 arrests and 141 citations for a total of 260 violations. The citation system was implemented in the second quarter of the report period on the island of Oahu and in the fourth quarter on the neighbor islands. The system has significantly increased the effectiveness of the wardens and was a major contributing factor in increasing the number of violators apprehended and processed.

Marine patrol and surveillance activities were intensified on Oahu during the report period through the purchase and use of a 24-foot patrol craft manned by three SCUBA-trained marine wardens, who patrolled reef and offshore waters for illegal fishing and related activities. Pending evaluation of this specialized marine enforcement effort on Oahu, it might well be extended to the neighbor islands.

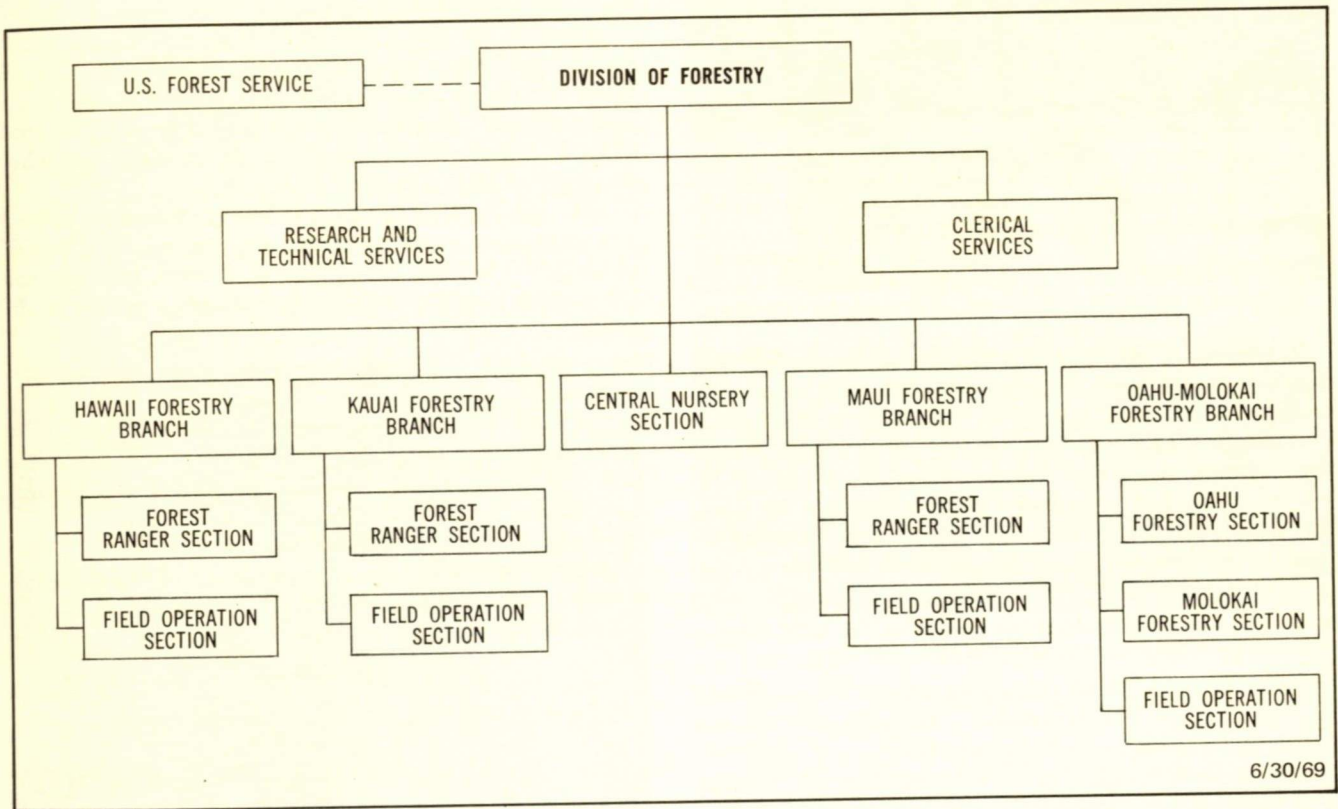
In addition to their enforcement functions, the wardens contributed 1,117 manhours toward the fish and wildlife management activities through manning of hunter checking stations, stocking of fish and wildlife species, collection of biological data, censusing of fish catches and wildlife populations, etc.; issued 5,181 fishing, hunting, and related licenses and permits; presented 33 informational and educational talks at schools and meetings of sportsmen clubs and civic organizations; and distributed and posted news releases, informational materials and notices.

During the year, 1 full-time warden was added to the enforcement staff and assigned to the island of Molokai.

Division of Forestry

TOM K. TAGAWA, State Forester

ORGANIZATION CHART — DIVISION OF FORESTRY



The Division of Forestry, under the general direction of the Chairman of the Department, manages most State-owned wildlands within the Conservation Districts. It also promotes forestry and protects forests from fire, insects, and diseases on privately-owned lands, both within and outside the Conservation Districts.

The overall program receives substantial support from the U.S. Forest Service in the form of grants for seedling propagation, tree planting, technical assistance to private forest landowners, and protection from fire. The Division also maintains close cooperative working relations with the Institute of Pacific Islands Forestry, Pacific Southwest Forest and Range Experiment Station, a research unit of the United States Forest Service.

Major objectives of the Division are to improve both the economic climate and the physical environment for people by means of three major programs:

1. **Forest Development**—To promote: growth and utilization of forest products; conditions of soil and vegetation conducive to the conservation of water; favorable habitats for wildlife and growth of forage for livestock; establishing windbreaks; and, access and suitable surroundings for forest recreation.

2. **Forest Protection**—To prevent or reduce effects of agents which injure the soil, vegetation, and other resources of forests and related wildlands.
3. **Forest Research**—To inventory forest resources and to provide technical support to forest managers and wood using industries.

FOREST PRODUCTS

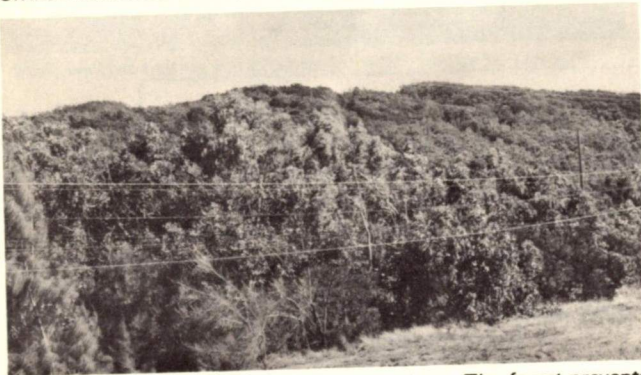
This directly affects Hawaii's economic welfare. The Division of Forestry planted 1,499 acres with valuable trees during the fiscal year. Thirty years from now, when the forests on these acres are ready to harvest, they should yield around 45 million board feet of wood. During the time that these forests were being planted, almost 500 acres of other young planted forests were weeded, pruned, or thinned in order to improve their growth and quality.

The nurseries of the Division of Forestry produced 890,000 seedlings of which about 260 thousand were supplied for planting on private lands. Altogether, about 170 landowners and organizations received nursery stock. Around 40 thousand seedlings were used to create windbreaks. Christmas tree planting is now an active operation among small landowners. They purchased about 125

Southern end of Honouliuli Forest Reserve in Waianae Range, Oahu.



Photograph taken in 1924 by Territorial Forester C.S. Judd. Soil was bare and eroding as a result of destructive grazing by cattle. The area was reforested by the Division of Forestry with help from the Civilian Conservation Corps between 1938 and 1941.



Same view, August 1969, forty-five years later. The forest prevents flood runoff and erosion that once prevailed in this area.

thousand Norfolk Island pines, most of which were planted for this purpose. The remainder of the trees were planted primarily for growth of wood products.

The Service Forester, assisted by the District Foresters and members of the Institute of Pacific Islands Forestry, helped to promote better forestry practices on private lands by preparing simple forest management plans, advising on the marking of timber for sale, estimating volumes of timber and supplying information on timber values. During the year, the group responded to 246 requests for assistance or counsel. Multiple-use aspects of forestry were involved in numerous cases, including:

Grazing	23 requests
Recreation	10 requests
Special Forest Products	23 requests
Water	4 requests
Wildlife	14 requests

Assistance was supplied to processors of forest products by locating timber supplies, measuring logs, and advising on harvesting and processing techniques. Information was provided the public through tours, demonstrations, and talks in meetings and at schools.

The harvest of timber from State lands fell considerably below that of the previous year as a result of cessation of operations by the Dawson Corporation on the island of Hawaii. Nevertheless, the volume of sawtimber harvested amounted to 1.3 million board feet and was valued at over \$14,000. Since each dollar of stumpage generates about

\$25 of consumer goods, the value to the economy of the State in terms of business activity was over \$350,000. This does not include the value of products harvested from private forests.

Near the end of the fiscal year, the Division was besieged by urgent requests concerning the availability of timber. Present staffing is not sufficient to fully service the numerous and complex questions which are being addressed to us. We particularly need more detailed forest inventory information. We also need more information on accessibility, rights-of-way, road construction needs, and costs of roads. Filling of three vacant professional positions has been approved. During next fiscal year, if we are successful in recruiting, considerable progress can be made on timber inventory and transportation problems.

Sales of hapuu fern on the island of Hawaii earned almost \$4,500. Hapuu is a rather small but steady source of income. On the other islands, sale of ti leaves, bamboo, and other minor products is a small but important service to the public.



Hapuu, Hawaiian tree ferns, harvested from State lands are a small but dependable source of employment in the vicinity of Hilo.

WATER CONSERVATION

Within the areas which were reforested, about one-third, 500 acres, will have a special beneficial effect on conservation of water. Perhaps of greater importance in the long run, the Division is participating with the U.S. Forest Service and the U.S. Soil Conservation Service in watershed programs within the State. The U.S. Forest Service has

assigned a forester to help on forestry aspects. His assignment to evaluate river basin problems on the island of Hawaii is now in progress. The federally sponsored watershed protection and flood prevention programs should provide excellent opportunities for initiating forestry measures designed to protect and improve soil and water relationships when the programs are put into effect.

In a management plan which was drafted for the Kahikinui Forest Reserve on Maui, a proposal was advanced to improve access to allow hunters to harvest more of the feral goats. This would reduce excessive destruction of vegetation and thus improve watershed conditions. A secondary benefit, of course, would be the increased hunting for sport. This is a good example of multiple use. The major requirement to accomplish these benefits is access roads and trails. These will be put into our request for capital improvements.

The State's wildlands are generally in better condition to conserve water than lands now in pastures, cultivation, and urban uses, although there are many localities in need of management action. However, major action programs must wait until information is produced by research and field surveys to indicate proper corrective measures and where they are needed.

WILDLIFE HABITAT

On Maui, the site preparation for tree planting at Polipoli greatly improved the habitat for pheasants. The effect begins immediately and will continue for from 5 to 10 years. Thereafter, the effect will decrease. However, the forest growth will offer recreational and aesthetic values. Improvement of habitat for wildlife is closely coordinated with the activities of the Division of Fish and Game.

FOREST RECREATION

Forest recreation is fast becoming a major outdoor activity for local residents and tourists. The Forestry

Division, in cooperation with the Division of Parks, is building access roads, hiking trails, rail shelters, lookout points, directional signs, and other facilities in order to meet the need. On Oahu and Molokai, trail maps are supplied to hikers. On Kauai, pamphlets are issued which describe trails and what may be seen from them. Opportunities for wildland recreation are offered in many different environments—from the wet rain forest swamp of Alakai on Kauai to the dry brushlands of Maui. Two of the more notable projects are the improvement of the access road to Polipoli Springs on Maui for those who enjoy coolness of the high elevation, and the trail system on the north shores of Kauai that offers solitude and grandeur of view.

During the fiscal year, over 9 miles of road, almost 4 miles of trails, and several shelters were constructed. Some 282 miles of roads and 83 miles of trails were maintained. Other recreation facilities required a total of 185 mandays of maintenance.

FOREST PROTECTION

Fire Prevention and Control

During the fiscal year, the Division responded to twenty fires that burned a total of 4,343 acres. Our goal is to limit the annual burn to not more than 1,929 acres (1/10 of 1 per cent of the area under protection). This is less than half of the actual burn. The single largest fire burned 1,650 acres of brushlands on the Big Island in the Waimea District. The fire started from the Waimea rubbish dump. Some of the major causes of wildfires during the year were escapes from debris burning, children playing with matches, and careless smokers dropping unextinguished tobacco or matches. Losses were estimated at \$31,000 including a \$9,000 cabin which was destroyed. Fortunately, most fires burned in grass and brush areas that had relatively low values.

Helicopters have proved to be useful in fighting forest fires. These versatile aircrafts are utilized to transport men and supplies and also to drop water with chemical retardants on fires. Lately, helicopters have been equipped with containers which can carry 50 to 75 gallons of water and discharge it directly on fires. Arrangements have been made to rent helicopters from private owners and also to obtain their use without charge from the Armed Services.

Recognizing the growing need to protect our forest resources, the Legislature and the Governor appropriated and authorized additional funds to purchase fire fighting equipment. This additional equipment has expanded the Division's capabilities in coping with forest fires. A major advance has been the installation of 2-way radios in several vehicles—thus, work crews away from headquarters can be dispatched quickly and joint efforts can be more easily coordinated.

During periods when fire conditions were particularly dangerous in certain areas, the Division took preventive action. Burning of debris was stopped in some cases and in others, signs to warn of fire danger were posted. In one instance, an area was temporarily closed to entry. Motion pictures and talks to inform the public about the harmful effects of wildfires were presented in schools and to various civic groups.



Informational sign of the type provided by the Division of Forestry for guidance to hikers. Kauai.

Noxious Weed Control

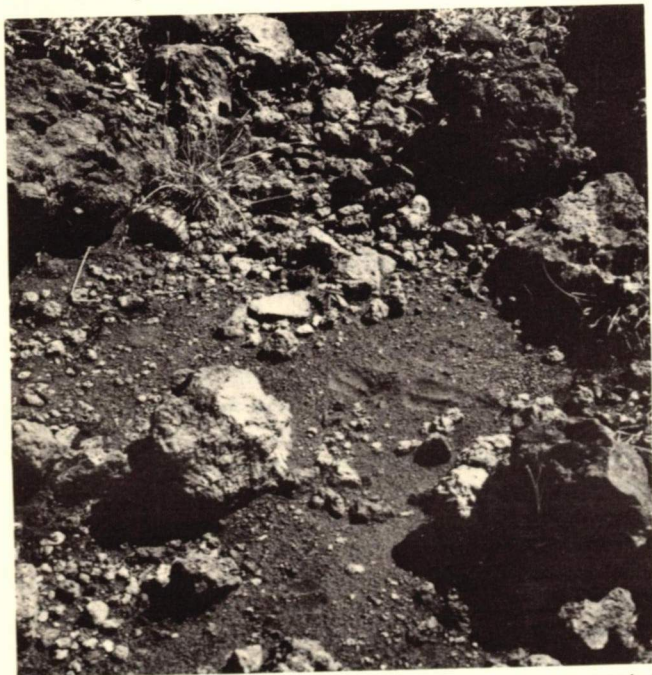
Some of Hawaii's forest land is infested with plants classed as noxious by the Department of Agriculture. Fayabush occupies about 40,000 acres on the Big Island and is found on all islands except Molokai; blackberry, 43,000 acres, mostly on Hawaii and Kauai; clidemia, 700 acres on Oahu and rapidly spreading; and gorse, 13,000 acres on Hawaii and Maui. Other serious plant pests in forests are banana poka and black wattle.

In controlling noxious plants, guidance is provided by the Department of Agriculture. On Maui, we are trying to stop the spread of one concentration of black wattle by surrounding it with a living barrier of pine trees. In connection with this, black wattle was eradicated on 670 acres. On Kauai, a great deal of work has been done to keep trails open and free from blackberries and lantana. On Hawaii, control of fayabush was tested experimentally on 50 acres.

Insects and Disease

Last fiscal year, we reported that an outbreak of black twig borer on toona in our Waiakea reforestation area was controlled by aerial spraying with an insecticide under the direction of the Hawaii Department of Agriculture. This year, a follow-up check was made by an entomologist from the same department. He found the population of insects to be at a low level and respraying is not necessary at this time.

On Maui, a wood borer was discovered which makes galleries into the wood of the main stems of koa and saligna. The infestation covered about two acres. It has not yet been determined whether the pest is very dangerous or if control is possible.



Overgrazing and trampling by feral goats caused this eroded condition. Control of their population by hunting provides sport and is essential to protect watersheds. More roads and trails are needed for better management of our wildlands.



The Division of Forestry supplies planting stock at nominal cost to farmers for the establishment of windbreaks.

The Division does not have the capability at this time to handle adequately detection and control of pests. The U.S. Forest Service is expected to aid us however, through a new cooperative agreement for insect and disease control with the Federal Government executed on November 15, 1968.

Investigation and control of forest tree nursery root rot diseases are being conducted in cooperation with U.S. Forest Service and University of Hawaii Agriculture Experiment Station.

Erosion Control

Torrential rains are common in Hawaii. Even in areas of moderate rainfall, surface runoff is large where the land is sloping or impervious to infiltration. While the loss of water is serious, the erosion that accompanies it is even more critical from the standpoint of soil fertility, siltation, and pollution of estuarine and coastal waters.

Erosion control is needed on over 60,000 acres of wildland, but most of these lands are in the non-commercial forest land at higher elevations and leeward sides of the islands. About 500 acres of the State's tree planting during the past year will help to prevent erosion—a small amount when compared with the need, but still a gain.

Preservation of Natural Areas

Part of the job of forest protection is to preserve, as far as possible, examples of the natural flora and associated native fauna. Today, they are valued chiefly for aesthetic purposes. Some day, these may have great value for scientific and educational purposes.

At present, the State has only one officially established area to protect native flora and fauna—the 10,000-acre Alakai Swamp on Kauai. During the current year, in a draft of a management plan for Mokuleia Forest Reserve on Oahu, consideration was given to setting aside a 1,000-acre tract for permanent closure to development. Other tracts are being considered on other islands. Such proposals are only a first step. Formal proposals must be prepared before definite commitments can be made.

On Kauai, the Division of Forestry has planted and labeled interesting and rare native plants along hiking trails and other accessible places.

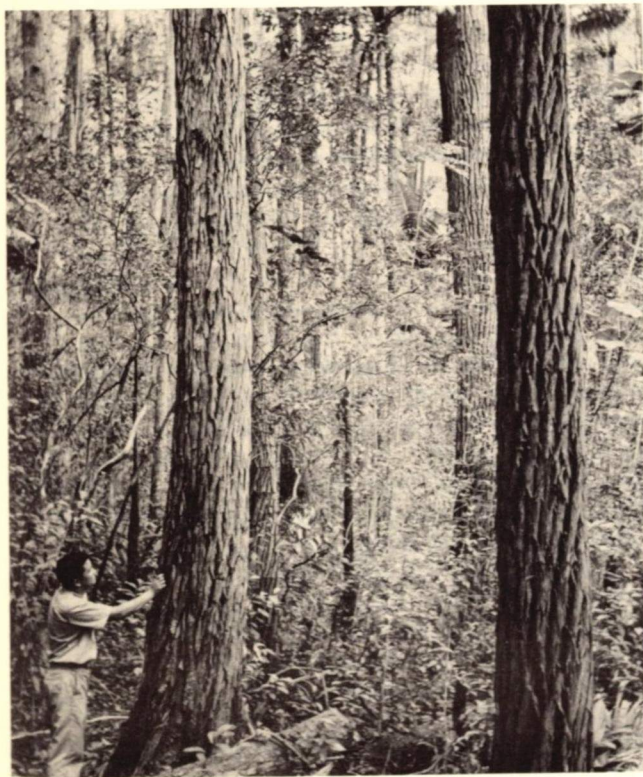
Research

The Division cooperatively maintains a program of forestry research to obtain resource inventory information and to develop and refine technical knowledge. This research is conducted by the Institute of Pacific Islands Forestry, a unit of the Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture.

During the year, 6 research reports were published. These are listed in the Appendix.

Detailed information about planted forests on each of the major islands is now available. This was an important study which required several years to accomplish. Here is a summary of the areas of planted forests and sawtimber volumes:

Island	Planted Forest (acres)	Sawtimber Volume (million board feet)
Hawaii	15,500	117
Maui	10,100	94
Molokai	2,600	13
Lanai	500	3
Oahu	7,000	46
Kauai	4,000	27
TOTAL	39,700	300



In making the forest plantation inventory of each of the major islands, Timber Survey Forester Wes Wong collected data on volume and quality of each forest plantation. Typical of the plantations is this stand of Robusta eucalyptus on the island of Oahu.

Last year, we reported that research on soils from Oahu watersheds revealed significant differences in characteristics which are related to soil erodibility. Further research has shown that when these soils were subjected to a simulated rainstorm, rates of soil loss were correlated with the measurable soil characteristics. More surface flow and erosion occurred from soils composed of smaller particles. Climate, vegetation, and land use strongly affect erodibility by modifying soil properties. We are continuing to study effects of land use on soil hydrologic properties.

We are testing the use of Tordon to kill stands of the noxious plant, fayabush and then underplanting with desired tree species. Fayabush was killed completely by injecting Tordon 22K into their stems. After two years, underplanted seedlings of Queensland-maple, tropical ash and Australian toon are growing satisfactorily. *Saligna eucalyptus* and blackwood acacia (*Acacia melanoxylon*) died or grew poorly.

A fire in June, 1967 in the watershed above Hanalei, on the island of Kauai, attracted headline attention. Immediately, farmers and officials became concerned. Would flooding, erosion, and siltation follow as a consequence of the fire? Not enough facts were available to supply reliable answers. So, we initiated studies in this and other burned areas. Transects and vegetation plots were established to record surface conditions, recovering vegetation, and erosion. In September, 4 months after the fire, 86 per cent of the transect length measured had less than 50 per cent vegetation cover. By April, 1968, after 10 months, 94 per cent of the transect length had revegetated to a density of more than 50 per cent vegetation density. No evidence of widespread erosion was found. We will continue measurements in this watershed to determine any long-term effects of the fire.

Hawaii provides an excellent breeding ground for wood-destroying insects and fungi. But some woods are naturally more resistant to decay and insect attack than others. After four years of study of 6 imported and 8 Hawaii-grown kinds of wood, *saligna eucalyptus* and *robusta eucalyptus* show relatively good durability. They rank below redwood but better than Douglas-fir, Philippine mahogany, or western redcedar. Koa and tropical ash were the least durable of the Hawaii-grown woods, ranking down with white oak. These tests are continuing.

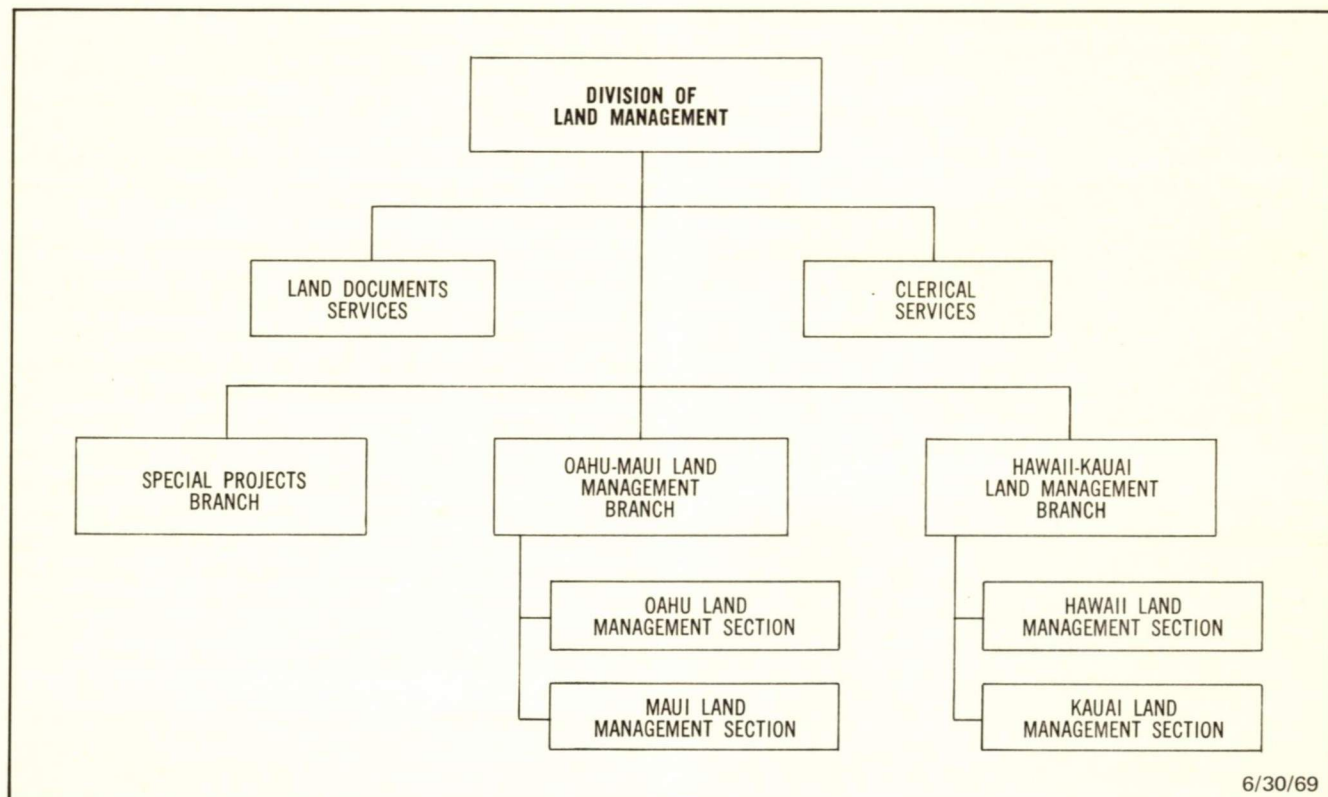
Although research is the primary job of scientists at the Institute of Pacific Islands Forestry, their expertise is used in other forestry programs in the islands. These include the important activities of assisting forest owners and timber processors and those concerned with forestry aspects of flood control projects. During the year, a specialist in small watersheds and river basin surveys was brought in by the Forest Service to help evaluate forestry aspects of programs in this field. Under a federal law (P.L. 566), the Soil Conservation Service and Forest Service from the U.S. Department of Agriculture plan and help to perform important protective and development work to control erosion and prevent floods.

SECTION 5

Division of Land Management

JAMES DETOR, Land Management Program Administrator

ORGANIZATION CHART — DIVISION OF LAND MANAGEMENT



6/30/69

Prudent management of the State's public lands is the essential function of the Division of Land Management. Operating under the broad administrative and policy guidance of the Chairman and the Board of Land and Natural Resources, the division is responsible for the acquisition, management and regulation, and disposition of the public lands of Hawaii. The division is an office of record and is responsible for the maintenance and protection of certain public records, such as land patents, leases and other documents issuing from this office.

The principal activity of the division centers around the management of lands under the control of the department and their disposition by sale, lease and permit. However, acquisition of lands for use by the various governmental agencies has become an increasingly important function of the division.

In the matter of disposition, the State land laws provide generally that State lands are to be leased only, and that all dispositions are to be made at public auction. Permitted exceptions to these basic limitations include sales of residential houselots in fee; sales or leases of agricultural

lands by drawing of lots, and sales in fee of industrial, commercial or resort properties, subject to legislative disapproval at the next regular or special session of the State Legislature after the dispositions have been made. Sales and leases of State lands may also be made by negotiation which is, in effect, sale by sealed tender following public advertising.

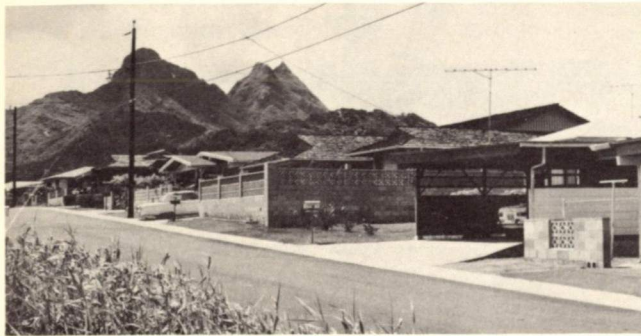
The department may sell, lease, grant permits, licenses or easements without public auction to the Federal Government, governmental agencies or political subdivisions, and to public utilities. In the case of public utilities, all such dispositions are subject to subsequent legislative disapproval, and all such agreements must contain a repurchase provision in case of abandonment or non-use for the proposed utility purpose.

NEW LEGISLATION

No legislation materially affecting the provisions of the land laws was passed by the 1969 Legislature. Of great significance to the department, however, were five concurrent resolutions passed authorizing the department to



Waimanalo Agricultural Subdivision— Campos Dairy's fully automated milking barn—one of the most modern in the country.



Waimanalo Core Development— some of the 150 homes built since 1965.

proceed with five development projects under the so-called Private Developers Act (Act 68 of the 1968 Legislature). This act provides that the State may contract with a private developer to develop State lands with private capital.

The development projects authorized are:

1. Kuliouou, Oahu: An area of 35 acres which will be developed into 120 houselots and a 10-acre school lot.
2. Waimanalo, Oahu: A 33-acre parcel which will be developed into 180 houselots.
3. Kekaha, Kauai: A total of 35 acres is planned for a 105-lot residential subdivision.
4. Kealakehe, Hawaii: This will be an incremental development beginning with a marina and commercial hotel sites. A yacht club will be part of the development. Other hotel sites, vacation cottages and a 100-lot residential subdivision will comprise the total development for the first three phases which is the extent of present planning. There will also, of course, be an 18-hole golf course. There will be plenty of land left for any amount of development which may later prove feasible.
5. Magic Island, Kewalo Peninsula, Oahu: This development, to be initiated by filling off-shore areas, will consist of a commercial hotel complex surrounded by a large park.

The present order of priority accepted for these developments is Kekaha, Kuliouou, Waimanalo, Magic Island and Kealakehe. The first unit is planned for development early in 1970. The department is presently drawing up the procedures, and standards and criteria to be applied to the projects.

PROGRAMS

The activities of the Division of Land Management are organized generally into four major programs: Land Acquisition; Land Disposition; Land Development; and, Land Management Services.

Land Acquisition

This program includes negotiating for and acquiring non-State lands required by governmental agencies, and making such lands available to the agencies for which they were acquired. Acquisitions are for such public purposes as sites for schools, public buildings, parks etc; rights of way, except for federal aid highways; air rights and lands for expansion of airports; development of Legislature-approved projects; to straighten boundaries for more economical use of State lands; for access to land-locked State lands, and to clear title to State lands, as in the case of multiple claimants with the State to certain kuleanas.

During the past fiscal year the program has completed 36 acquisitions covering 278 acres at a cost of \$11,689,298.00. In the same period 16 new acquisitions have been initiated covering 45 acres at a cost of approximately \$178,360.00. There are 106 acquisitions in progress covering 5,686 acres with an estimated value of \$10,812,699.00.

Among the lands acquired in the past fiscal year are 13 school sites for the Department of Education; 3 parcels for the Waimea-Lalamilo Irrigation System; 2 parcels for the Moiliili-McCully Branch Library; 4 acquisitions for the Community College; 4 parcels for the Honolulu Civic Center; one reservoir site for the Molokai Irrigation System; one addition to the Manoa Campus of the University of Hawaii and several miscellaneous sites.

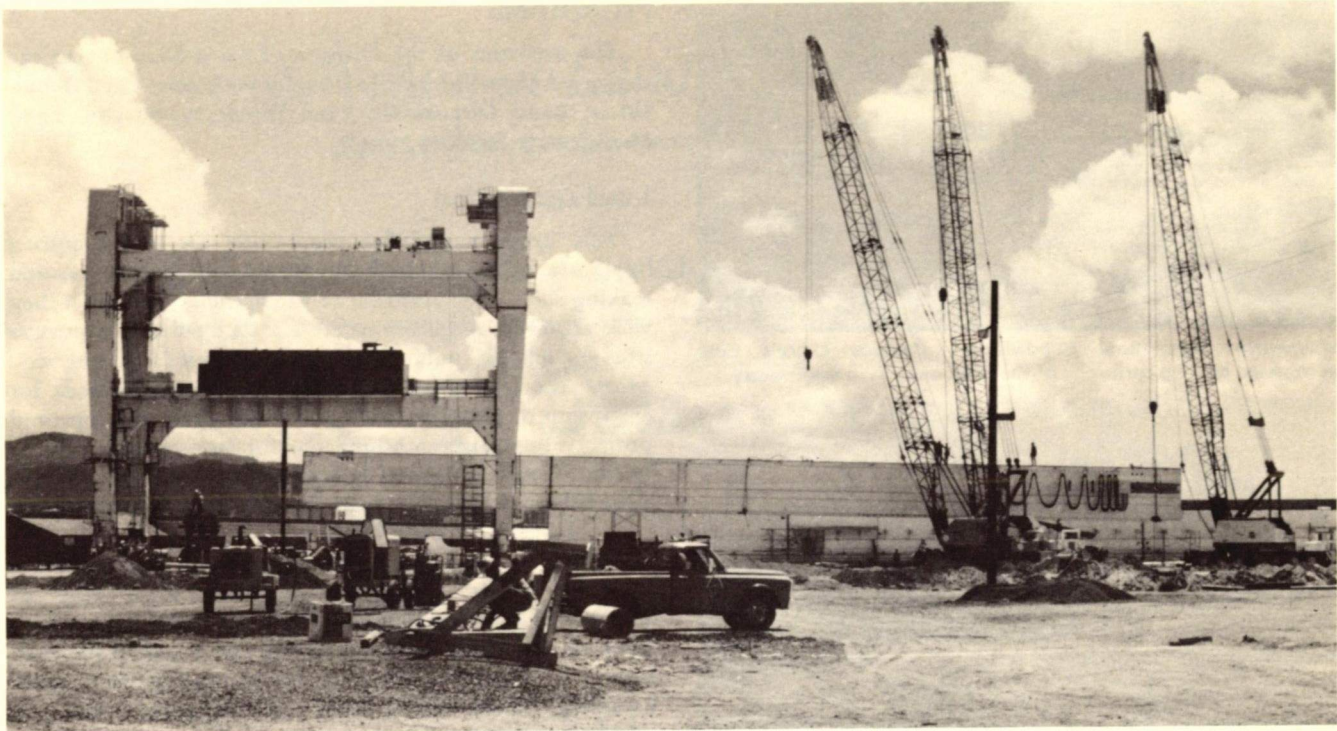
Land Disposition

This program consists of processing requests for and making dispositions of State lands by sale in fee, lease, license, revocable permit, easement, concession and executive order. Executive Orders, of course, are issued by the Governor with the approval and recommendation of the Board. Dispositions may be for residential, agricultural, commercial, industrial, resort, recreational and public uses.

During the past fiscal year the disposition program has accounted for 64 sales in fee covering 16 acres for total sales price of \$716,636.00. In the same period 46 units were leased for an annual rental of \$727,938.00 on an area of 39,162 acres. Revocable permits issued totaled 148 covering an area of 1,933 acres for an annual rental of \$340,848.00. With the approval and recommendation of the Board, the Governor issued 74 executive orders covering 2,543 acres. Of these, 42 were setting lands aside to interested government agencies with a total area of 871 acres; 32 orders covering 1,573 acres were cancellations of existing executive orders, or withdrawing portions of set-aside lands.

Land Development

This program involves selection of public lands suitable for development; preparation of plans and engineering

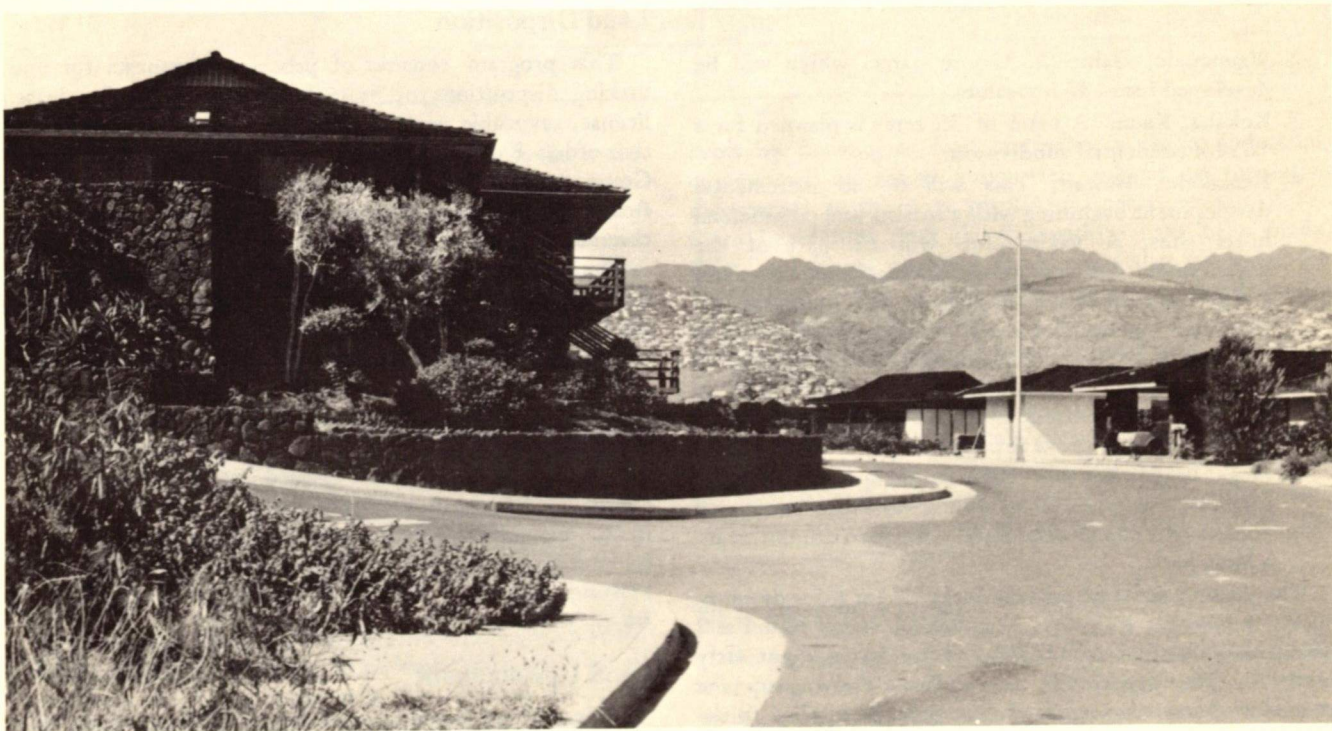


Anuenue (Rainbow Island)— new container facility under construction.

studies; contracting for development through the Division of Water and Land Development; and turning the developed lands over to the Disposition Program for disposition.

No new projects were initiated during the past fiscal year, as none had been authorized by the Legislature. However, work proceeded on several projects previously authorized, but which had not been completed. In the

Waimanalo Core Development, the new sewage treatment plant was completed. A maintenance ramp into Kahawai Stream was built as a prerequisite for the City and County of Honolulu's acceptance of Kahawai Stream for maintenance purposes. Banyan Drive in Hilo was realigned better to serve the new resort hotel developments on Waiakea Peninsula. It was turned over to the County of Hawaii in a



Diamond Head View Lots— luxury homes on the slopes of Diamond Head.

dedication ceremony held recently. A water pipeline was installed to serve the Kekaha, Kauai, houselots subdivision, and a pump and pipeline was added to the Hanapepe, Kauai, water system. Units II and III of the Shafter Flats Industrial Subdivision are under construction and five more industrial lots will be leased at public auction late this year. Planning has started for the fifth increment of the Wahikuli, Maui, houselots, and planning is ongoing for another increment of the University Heights houselots in Hilo, Hawaii.

A number of projects are expected to be undertaken in the coming year, most of them under the Private Developers Act which was discussed under Legislation.

Land Management Services

This program is essentially a support program and consists of regulation and enforcement of Land laws and regulations, preparation of reports to the Governor and the Legislature, appraisal, title searching and translations from the Hawaiian, planning and research, public information and service, and document services (indexing, filing, review and recordation, and custodianship as an office of record). It is closely linked with administration of the division in that it makes recommendations for policy determinations, organization and the like.

The objective of the program is to support other programs of the division, to maintain records of the activities of the division, to prepare reports, to produce plans and recommendations, and to provide service and information on land matters to the general public and to public and private agencies.



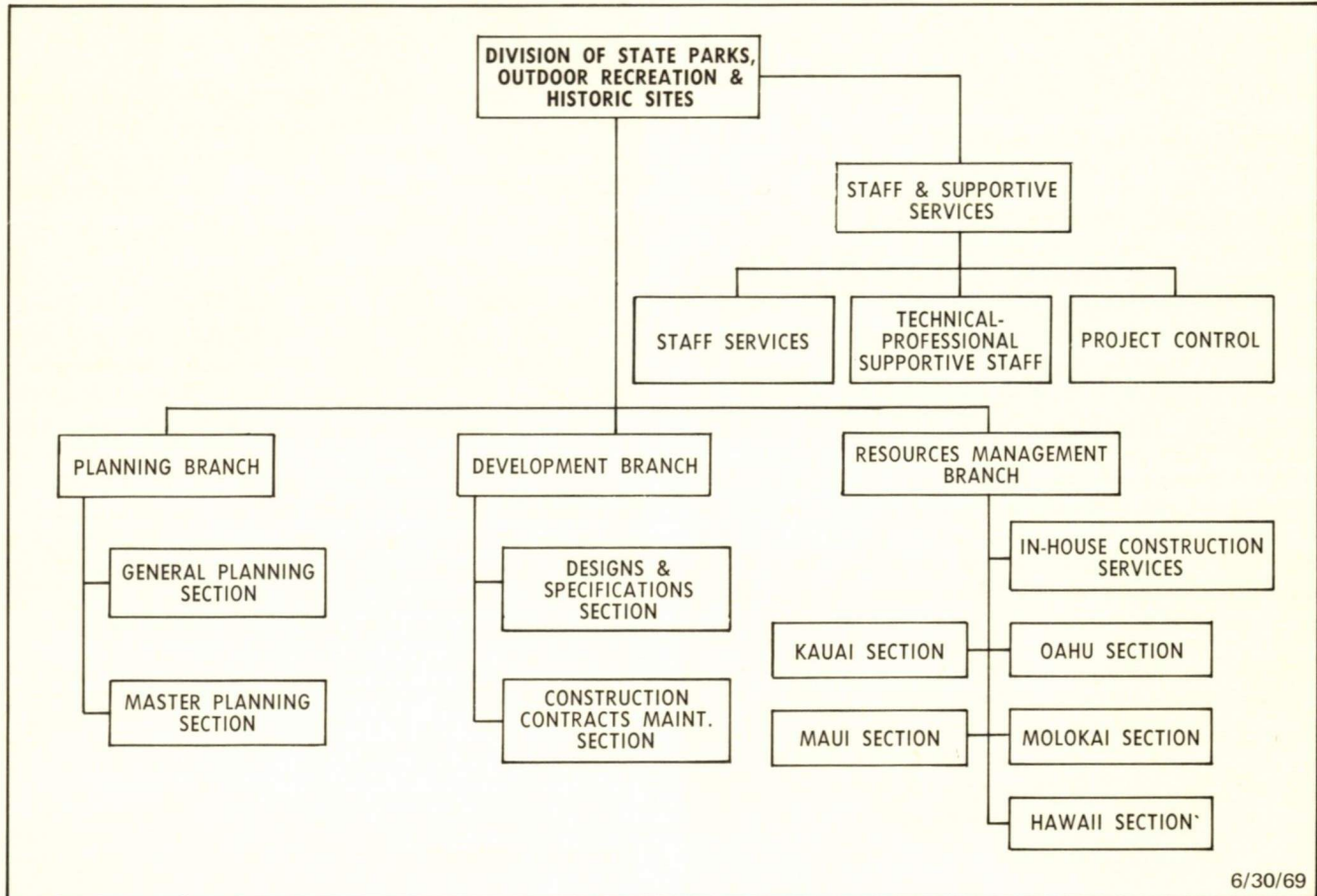
Shafter Flats Industrial Subdivision under construction.

During the fiscal year just ended the program produced 70 appraisals and 475 reviews and recommendations for rentals for revocable permit. Also, 13 independent appraisals were reviewed. The Title Searcher prepared 9 certificates of title, 30 memoranda of title, 14 abstracts of title, 5 pending memorandum titles and 2 Land Court Citations.

Division of State Parks, Outdoor Recreation & Historic Sites

JOSEPH M. SOUZA, Jr., State Parks Administrator

ORGANIZATION CHART — OUTDOOR RECREATION & HISTORIC SITES



6/30/69

The new designation, Division of State Parks, Outdoor Recreation and Historic Sites, results from a reorganization of the former Division of State Parks to more accurately reflect a gradual broadening of its recreation and preservation functions. The three operations branches, bolstered by a large staff and supportive service also reflect a spread in emphasis from operations and maintenance, to developing and enhancing opportunities to meet the overwhelming increase in usage. A 50% increase in staff is proposed as part of the reorganization plan.

The goal of the Division remains the same; to help ensure the enrichment of the individual during his increasing hours of leisure time. Opportunities for enrichment include understanding, respect and appreciation of man's relationship to his natural environment, to his fellow men and to other cultures. Although Hawaii's recreation potentials are vast, and well illustrated in our rich Hawaiian history and natural beauty — they are limited. The

acceleration of urban and tourist development requires an equally accelerated drive to see that prime open spaces are acquired by the State, preserved and developed.

Toward these statewide goals, the Division, in coordination with other government and private agencies, provides the optimum variety and number of quality outdoor recreation, natural and historic opportunities. These opportunities are met by building and operating facilities and by conducting cultural enrichment and outdoor recreational programs. This not only helps provide a pleasant place to live but also helps provide tourist attractions for this vital segment of the state's economy.

LEGISLATION

Several actions of the 1969 State Legislature significantly increase the capability of the Department to provide better opportunity to the public for outdoor recreation and cultural enrichment.

Act 182 requires planning and land use and management controls for the preservation of open space. By its definition of open space, the law enables the protection and preservation of potential outdoor recreational and historic land.

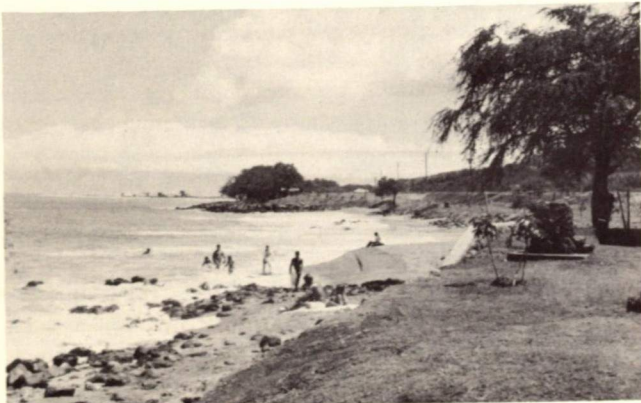
Act 186 limits the liability of any property owners making private lands available to the public for recreation and site visitation purposes. This is expected to stimulate grants of such public privileges on private lands, making more opportunities available to meet growing needs.

Act 216 clarifies the function and responsibilities of the Department for the control and protection of archaeological and historic values on State lands. Funds are provided for this purpose to a maximum of one percent of appropriations for public improvements. Controls are also extended to designated privately owned prehistoric and historic sites and to the reproduction of prehistoric or historic objects. This law should enable more effective discovery, evaluation, and preservation of archaeological and historic resources, which can then be interpreted for public enjoyment and cultural enrichment.

Act 236 establishes a semi-private Hawaii Foundation for History and the Humanities. Structured to conduct a historic preservation program cooperatively with the Department, it may receive gifts of funds, properties or materials from donors who prefer not to or cannot donate directly to the State. The Foundation may thus contribute greatly to the State's cultural enrichment.



Lava Trees State Monument preserves the evidence of a molten flood which hardened about the trunks of great Ohia trees, then receded, leaving each a roaring chimney fired by the intense heat.



Wahikuli State Wayside facilities make swimming at "Sandbox" Beach much more enjoyable.

ACQUISITION AND PLANNING

A scheduled payment of \$1,000,000 was made during the year for Kahana Valley on windward Oahu, the principal state park acquisition in progress. The final appropriation of \$1,000,000, to complete the \$5,000,000 purchase, was received from the 1969 Legislative session. Planning is in progress to determine the best park, botanical garden and compatible uses to be made of this beautiful natural valley. Other acquisitions in progress include such major acquisitions as the incomparable Ke'e Beach vicinity of Haena, Kauai; and inholdings in Kalalau Valley, in the Na Pali wilderness.

State lands are also being studied for appropriate designation as state parks, resulting in 688 acres of State land being added to Wailua River State Park, Kauai. Three hundred and seventy-seven acres of State land are in the process of being transferred to Keaiwa Heiau State Recreation Area, Oahu. The objective is to manage prime recreational lands for their most appropriate use.

Acquisitions of historic sites are continuing with appraisals completed for the Russian fort (Fort Elizabeth) situated at the mouth of the Waimea River, Kauai; Ililiopae Heiau and the Smith-Bronte Landing Site on Molokai.

Master planning by consultants is in progress or has been completed for several state parks and park proposals. Work has been completed on the South Kona historic and recreation area, Hawaii; including state park and historic site proposals for Kaawaloa and Kealahou Bay, Mokuohai Battlefield, and Honaunau Bay areas. Work is essentially complete on a master plan for Wailua River State Park and vicinity, Kauai; and, for Wailoa River State Park, Hilo. Work is well started on Iolani Barracks and Palace, Oahu. Historic research has been completed for a master plan to be prepared for the Iao Valley region, Maui. Scheduled to start shortly are planning projects for Hapuna Beach State Park, Hawaii.

DEVELOPMENT

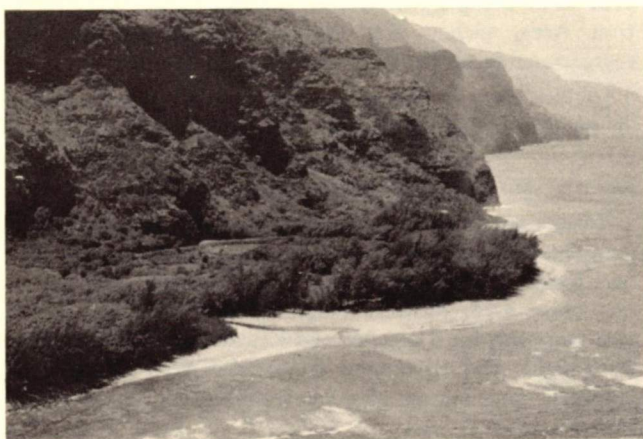
Expenditures of nearly \$1,000,000 were made during the year for construction projects. This included development funds for two new parks; Kalopa State Park, Hawaii and a new cooperative State Parks-Job Corps project, Waahila Ridge atop St. Louis Heights, Oahu.

The six-acre Wahikuli Wayside north of Lahaina, Maui is now officially open to the public. Lahaina Junior Chamber of Commerce volunteers are playing a major part in the landscape planting of this favorite swimming beach. Expansion projects recently completed include campground facilities at Keaiwa State Park, Oahu, and a water supply system for the Kokee-Na Pali State Park Complex, Kauai.

Facilities are being expanded or improved at six of the neighbor island state parks; adding cabin, camping, picnicking, access, management and other facilities. The work is being done by contract except for a cooperative project with the Hawaii Job Corps Center at Kokee, Kauai, where a new lookout will afford a view of Kauai's superb Na Pali and Alakai Swamp as well as a different view of Kalalau Valley.



Mauna Kea Park picnic areas are sited in the Pohakuloa Saddle between Hawaii's greatest mountain peaks.



Haena State Park acquisitions include Ke'e Beach, the fabled "Wet Caves", and ancient sacred sites at the beginning of Kauai's superb NaPali Wilderness.

Construction projects to be let for bids shortly include a sewer system at Wailua Marina, Kauai; a water system for Hapuna Beach State Park, Hawaii; road construction and improvement at Waianapanapa, Maui; improvement of the Rainbow Falls Lookout, Hawaii; and expansion of Palaaui State Park, Molokai.

HISTORIC & ARCHAEOLOGIC RESEARCH & DEVELOPMENT

During the past year, the Division was deeply involved in implementing the National Landmark and historic preservation programs. The National Historic Preservation Act of 1966 expanded the National Register to include places of State and local significance and also provided certain safeguards, as well as a Federal grant-in-aid program. A complementary National Natural Landmark Registry was previously established in 1964. Twenty-two National Historic Landmarks in Hawaii have been designated as being worthy of registration, and Diamond Head has become a National Natural Landmark. Of the selected sites the following five National Historic Landmarks were dedicated during the past year.

Kamakohonu, Residence of King Kamehameha I — Kailua, Kona Hawaii

Honokohau Settlement — Honokohau Bay, Hawaii
Puu O Mahuka Heiau — Waimea Bay, Oahu
Wailua Complex of Heiaus — Wailua, Kauai
Cook Landing Site — Waimea, Kauai

The Division is coordinating restoration of the Iolani Palace Complex which is now underway. A research publication on the complex was compiled under the aegis of the Honolulu Junior League, while The Friends of Iolani Palace contributed \$10,000 to hire personnel for the project. University students, working under the direction of the State Archaeologist, have completed an archaeological investigation of part of the Hale Akala or "Royal Bungalow" within the walls of Iolani Barracks.

Other activities included an interpretive publication of the significance of Diamond Head. This was carried out with the generous assistance of the Department of Education and copies distributed to all schools. The publication of the State Archaeological Journal was initiated, including a reference booklet, The Archaeology of the State of Hawaii, Uniform Rules and Regulations. A report has also been published on the essentially completed findings of archaeological reconnaissance of the new Kailua-Kawaihae Highway and Keahole Airport, Hawaii. This project was conducted for the Department of Transportation.

The Division, jointly with the University of Hawaii and the Bishop Museum, initiated formation of the Coordinating Committee for Hawaiian Archaeology. The committee's initial cooperative project, coordinating plans and resources, resulted in the largest archaeological site investigation ever carried out in the state. The ancient fishing village and inland agricultural settlements of Lapakahi, North Kohala were investigated by a team of students from the University of Hawaii and National Science Foundation grantees from several nations. The project was photographed and copies of the film will be distributed internationally for educational television.

The Division intends to reconstruct and interpret the site complex as a State Monument following an additional summer of archaeological field work.

MANAGEMENT

Accelerated planning and development of new parks and park facilities, restoration and preservation of historic and cultural sites and buildings, and the burgeoning public participation and visitation in these areas has greatly increased the complexity and workload of managing and maintaining these public facilities.

Park usage estimates for the fiscal year just ended indicate phenomenally active growth, increasing nearly 29% from last year's record 4,766,000 to 6,142,000 recreation visits. This gain seems attributable in part to four basic factors which affect recreation demands: population, leisure time, mobility and disposable income. In Hawaii these factors are compounded by our tourist industry.

In the past, management of state parks and other facilities was concentrated primarily in maintenance and protection of the resource. There is increased need, and public demand for interpretation of the resources within the parks and other sites, as well as for better guidance and protection of the visitor.

MAINTENANCE STANDARDS

The head and staff of the Resources Management Branch have developed, and are using maintenance performance standards for planning and control of all maintenance tasks within the systems. This includes normal upkeep in daily operations, as well as preventive maintenance of facilities and utilities systems, and care of grounds, turf, and landscaping. All levels of maintenance personnel utilize these established standards in planning their work schedules, and in reporting task accomplishments at all units of the parks system. Utilization of these standards throughout the entire system has led to a high degree of uniformity of maintenance, and to substantial improvements in overall efficiency.

PERSONNEL

In response to the greater workloads, and consequent levels of responsibility in the field, all supervisory personnel



Kokee State Park, Kauai— Summer students clearing Kumuwela Trail.



Kalalau Lookout— Construction of new restroom.

previously classed as District Park Foreman, have been up-graded to Parks Superintendent level. Direct responsibility for planning and management of the operations and maintenance of the districts has been placed in their hands. Initial analysis of this change in management responsibility indicates that there is a substantial improvement in parks operations.

A permanent operations and maintenance staff of forty-five persons supports this overall program. This regular staff is at times supplemented by fourteen maintenance crewmen employed on the Island of Oahu under the federally funded Nelson Amendment Program (Operation Mainstream). This is primarily a training program for the chronically unemployed, the enrollees are receiving useful work training experience in areas of grounds maintenance, protection, and improvement and beautification of park areas. Considerable benefits are realized, to the State in the form of skills and services, and to the participants in the form of developed employable skills.

The Division also employed approximately seventy student helpers during the summer school vacations, on the Islands of Hawaii and Kauai to assist in park maintenance, trail clearing, eradication of noxious weeds, and on other operational tasks.

The changing patterns of responsibility for management and protection of the parks, protection of both the resources and the visitors, have led to serious proposals that Park Lifeguards and Park Rangers be added to the operational staff of the Division.

MANAGEMENT FUNCTIONS

New and unusual problems were created during the past year by assumption of added responsibilities in the Management Program. Of particular interest are:

Marina Operations—A marina was recently opened at the Wailua River State Park on Kauai, with seven piers providing space for pleasure craft and for excursion boats on the river. This is the first operation of its kind within the system, and new functions include supervision and the collection of state revenues from tour boat operations, a restaurant, and from several small concessions.

Mountain Skiing—The undeveloped high slopes of Mauna Kea, Hawaii, came alive during the winter months, from November, 1968 to April, 1969. More than 400 skiers, beginners as well as advanced, enjoyed the only ski slopes in the State. Experts found that the slopes of Mauna Kea were equal to or better than those of some of the more well-known resorts on the U.S. Mainland. The Division was responsible for control of skiing, and for safety of the participants during the period, and particularly for a ski meet held during the long Veterans' Day weekend.

Iolani Palace—Responsibility for management, operations, and maintenance of Iolani Palace, the only royal palace in the United States, was transferred to the Division during FY 1968-69. The Palace, until the transfer, had been occupied by the offices of the Governor and Lieutenant Governor, and by chambers and offices of the State Legislature. Restoration of the



Keaiwa Heiau State Park, Aiea, Oahu— Construction of access road to picnic and camping area.



Keaiwa Heiau State Park, Aiea, Oahu— A new 10,000 gal. water tank is being installed at upper picnic and camping area.

Palace has started and it is proposed to maintain it as a major historic museum of the later monarchy period. The Palace, together with the Governor's official residence, Washington Place, has a very high priority within the maintenance programs of the Division.

STATE PARK DEVELOPMENT

Projects Awarded, Under Construction or Completed Keaiwa Heiau State Park, Oahu

Contract Job No. 21-OP-5: realignment and widening of entrance roadway, completion of one-way road loop, parking areas, utilities extensions, campground restroom, ranger's residence, entrance gate and other appurtenances.

Volunteer Groups: campsite clearing and sitework; new trails and trail relocation.

Wailoa River State Recreation Area, Hawaii

Contract Job No. 57-HP-8: concrete arch footbridges across mouth of Waiakea Pond, connecting new and older portions of the park.

Contract Job No. 57-HP-9: second concrete arch footbridge crossing mouth of Waiolama Canal, connecting new portion of park with undeveloped portion along Kamehameha Avenue.

Kokee-Waimea Canyon-Na Pali State Park Complex, Kauai

Contract Job No. 24-KP-12: paving of widened Waimea Canyon Lookout access road and parking and of Kokee campground access road and parking. Grading, drainage structures, base rock, striping, signs and appurtenances by park forces.

Polihale restrooms (2), road and parking area grading and rockwork, sitework, water tank and system and other appurtenances, by park forces.

Contract Job No. 54-KP-3: pumps and controls for well. New Puu o Kila Lookout, Kokee: labor by Job Corps, supervised by park forces, costs shared by Job Corps and parks — road, parking, lookout facilities, and appurtenances.

Wahikuli State Wayside, Maui

Contract Job No. 36-MP-5: two comfort stations and outdoor showers, utilities, parking areas, irrigation, grassing and beach appurtenances. Landscaping, tables and barbecues by community volunteers.

Wailua River State Park, Kauai

Landscaping, utilities, grading, parking drainage and other work in Lydgate, Marina and Opaekaa Falls areas by park forces. Paving of additional marina restaurant parking by contract, Job No. 30-KP-23. Paving of Opaekaa Falls Lookout parking and roadways by contract, Job No., 30-KP-24.

Mauna Kea State Park, Hawaii

Contract Job No. 39-HP-9: park and fish and game headquarters building, 2 vacation cabins, ranger's residence, 1,000,000 gal. water tank, utilities and other appurtenances; demolition of CCC vintage facilities. Landscape planting, signs and other improvements by park forces.

Kalopa Forest Recreation Area, Hawaii

Contract Job No. 23-HP-5R: roads and parking area, pavilion, recreation-dining hall, two group cabins, utilities and appurtenances. Site and other work by park forces and community volunteers.

Waianapanapa State Park, Maui

Contract Job No. 36-MP-6: comfort station, ranger's residence and utilities. Sitework, picnic facilities, trails, barbecues and other appurtenances by park forces. Roads and parking to be done by Maui County forces. Plans completed for six additional vacation cabins.

Waahila Ridge State Recreation Area, Oahu

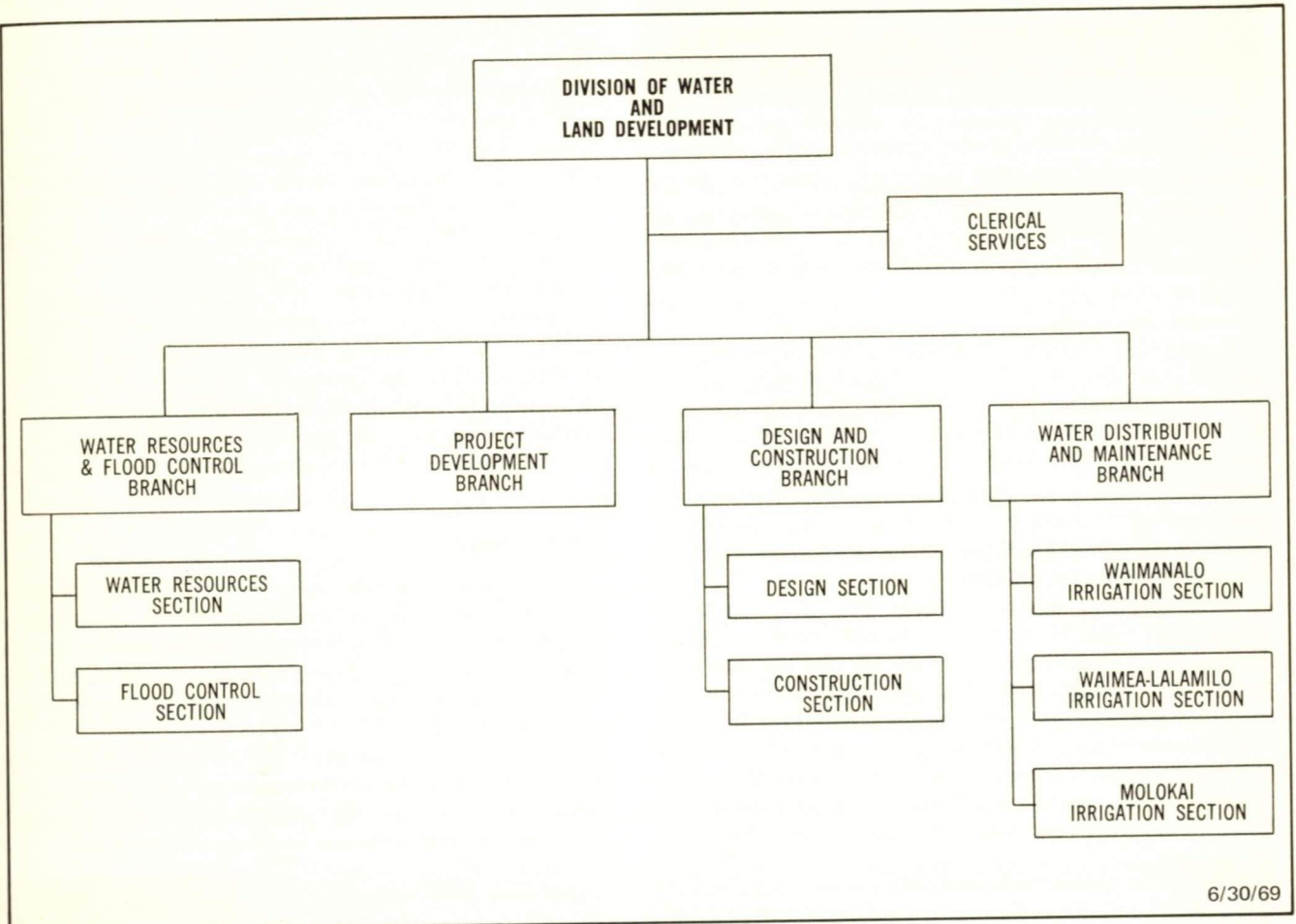
Job Corps Project—grading, drainage, selective clearing, 2 pavilions, restrooms, picnic facilities, utilities and appurtenances.

Contract Job No. 5-OP-2: pump and controls, sewer line materials, paving of access road and parking.

Division of Water and Land Development

ROBERT T. CHUCK, Manager-Chief Engineer

ORGANIZATION CHART DIVISION OF WATER & LAND DEVELOPMENT



The Department of Land and Natural Resources is the State water agency and administers the State's water program through the Division of Water and Land Development. The Division provides professional civil engineering support services to all divisions of the Department of Land and Natural Resources. The Division also has responsibility for administration of the Department's programs for water, flood prevention and control; and provides administrative support to the political subdivisions of the Soil and Water Conservation Districts.

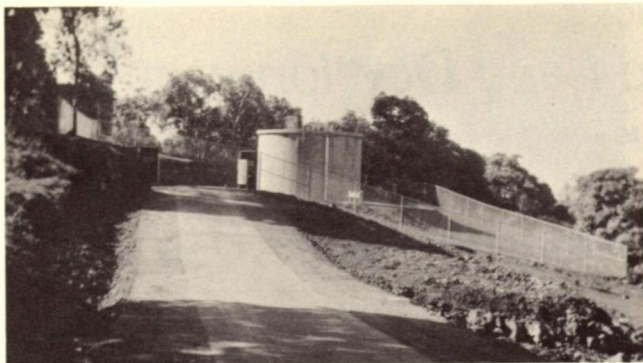
WATER

The Division coordinates statewide water resources planning, research, development and management activities; carries out comprehensive statewide water resources planning; maintains basic water resources data; conducts hydrologic investigations and studies; regulates and enforces ground water statutes; and provides general water resources

information service. Hawaii's growth over the past year places an increasing demand on Hawaii's water planning, research, development and management. Federal, state, county and private organizations have shown great concern for and are developing programs to meet specific needs.

Planning and Research

During the past year major emphasis was placed on the statewide comprehensive water resources planning program. The State Legislature appropriated \$100,000 for this purpose and Federal matching grants were received from the Water Resources Council under Title III of the Water Resources Planning Act of 1965, the U.S. Geological Survey, Corps of Engineers, Office of Water Resources Research, and the Soil Conservation Service for specific phases of this program. Planning efforts are being accomplished on an island-by-island basis. The Island of Hawaii is currently being evaluated and an island-wide inventory of



Honokohau Tank, 50,000 gallon capacity, is part of the water facilities installed along the Mamalahoa Highway in North Kona, Hawaii.

all water and related land resources data was completed and is presently being printed. Formulation of guidelines for future planning, research, development and management of the islands' total water resources is well underway. The Island of Maui will be the next island to be evaluated and reconnaissance studies have been initiated.

Considerable emphasis is placed on evaluating the present data collection networks and on designing new networks. With the assistance of the University of Hawaii Water Resources Research Center, a program of relocating and establishing new stations based on the future needs of the federal, state, county and private agencies in Hawaii was implemented. The major elements include data on precipitation, streamflow, ground-water occurrence and availability, water use, and flood data.

A cooperative agreement with the U.S. Geological Survey continues the Division's data collection on comprehensive stream gaging, ground water monitoring, and areal hydrologic investigations. During the year the Survey operated and maintained about 300 stream gaging stations and is in the process of publishing daily streamflow records in a report entitled, "Water Resources Data for Hawaii and Other Pacific Areas-1968." Reconnaissance water resources investigations which generally state the water

situation in an area and point out water problems which require a program of data collection and hydrologic investigations were completed for the Lahaina District of the Island of Maui. The results of the reconnaissance investigation will be used in evaluating data collection networks and in preparing the comprehensive water resources plan for the islands. Areal hydrologic investigations for the island of Oahu, which are detailed studies of hydrological conditions, were completed in North-Central Oahu, and are continuing in the Waianae area. The final report for windward Oahu was printed and distributed and the reports for Kahuku and North-Central Oahu are being published by the federal Government Printing Office.

The Division, in cooperation with the U.S. Weather Bureau and the Hawaii Sugar Planters Association, is continuing to maintain records from approximately 1,000 gaging stations throughout the State. Periodic field inspections are carried out to assure the reliability of rainfall records under this cooperation venture.

Statewide exploratory well drilling is designed and programmed to provide subterranean, hydrological and geological information in selected areas. A well was drilled at Kalaoa, near the proposed Keahole airport at the 680-foot elevation; test results indicated that the water was brackish. Another well was drilled at Pohakuloa in an attempt to locate high-level ground water, but no water was encountered.

Enforcement

Five hundred existing wells were inspected and tested under the Division's enforcement activity to determine compliance with existing statutes governing artesian wells in Hawaii. Twenty-two wells were found in violation and were corrected through such action as sealing, controlling or repairing the wells.

The Division is represented on the Advisory Board of the Water Resources Research Center at the University of Hawaii and on the Air and Water Pollution Control Advisory Committee of the Department of Health.



State officials and contractor inspect the concrete pavement at the boat launching ramp in the Wahiawa Reservoir, Oahu.

Development

Under the water program, the Division has kept abreast of the growing water needs in the Kona area through the expansion of the Kona water system. A contract to drill a well and to install a deep-well pump in Kahaluu has been awarded and it is expected that this well will be in operation in the latter part of 1969. In North Kona, the pipeline to the new Kealakehe School was completed in time for the opening of the new school. In South Kona, construction has commenced for the continuation of the 8-inch pipeline from Keokea Junction to Hookena School. Also under construction are the 8-inch pipeline along Kuakini Highway to Palani Road and the 16-inch pipeline from Palani Road to Honokohau. The contract for the continuation of this pipeline to the proposed Keahole Airport will soon be awarded.

Construction of the Molokai Water Project which is being financed in part by a federal loan of \$4.5 million from the U.S. Bureau of Reclamation is continuing. The 1,400-million-gallon Kualapuu Reservoir is not under construction and scheduled for completion in late 1969. Most of the massive grading work has been completed and the contractor is now ready to install a butyl-rubber lining over the entire reservoir surface. When completed, the Kualapuu Reservoir will be the largest butyl-rubber lined reservoir in the world.

A water resources feasibility study for the development of water from the Waikolu and Pelekunu Valleys on the Island of Molokai has been completed. The plan proposes the development of a water transferring collection system to convey the water from Pelekunu and Waikolu Valleys to the areas of Central and Western Molokai in four stages over a period of 26 years.

Work is continuing in the development of the Kohala Mountain water sources. By the end of 1969, the 50-million-gallon Waikoloa Reservoir will be completed and will increase the domestic water supply to two million gallons per day. Plans and specifications have been completed for the construction of the water treatment plant in Waimea. The construction of this plant will be financed in part by a federal grant from the Housing and Urban Development agency. As soon as approval is received from HUD, a request for bids will be advertised. Plans are now being prepared for the construction of diversion works and pipelines to develop additional water from the Kohakohau Stream in the Kohala Mountain. The extension of the 12-inch main transmission pipeline to Hapuna Bay in the Kawaihae area will soon be completed. To stay ahead of the anticipated water demands of resort and urban development in the Kawaihae-Puako area, the Division has engaged the services of a consultant to conduct a feasibility study for the construction of a large impounding dam across Kohakohau Stream.

Water development on the Island of Kauai includes the installation of a pump and an 8-inch pipeline in the Hanapepe system which will activate a new well in the area to boost the capacity of the system. In Kekaha, the construction of a 12-inch pipeline to serve the proposed Kekaha land development project has been completed. In Haena, construction has begun on the installation of an 8-inch pipeline from the Haena well to Wainiha Bay.

FLOOD PREVENTION AND CONTROL

The Department of Land and Natural Resources is the State Flood Control Agency, and as such the Division coordinates all federal, state and county flood control projects undertaken in Hawaii; and provides technical assistance and/or recommendations for financial assistance to meritorious flood control projects.

Planning and Research

The Division maintains a general flood control plan which is regarded as a guide for the orderly and coordinated implementation of a statewide flood control program. To carry out its mission, the Division compiles, evaluates, interprets and disseminates information for technical use; renders technical assistance in matters of master planning, zoning, qualifying for and constructing federal and state flood control projects, obtaining flood fighting units and other related flood control activities; reviews federal flood control projects for state approval; and initiates flood control projects. The U.S. Army Corps of Engineers and the U.S. Geological Survey provide assistance in preparing flood plain information reports which point out the flood hazards and recommend corrective action necessary to minimize damage. The flood plain information study report for the Pupukeya-Paumalu area on Oahu was published and distributed to planners, land developers and other interested parties. Final drafts of the flood plain information study reports for Kaaawa, Oahu, and Anahola, Kauai, were completed. Studies requested by the Division and now in progress include Kihei, Maui; Waialua, Oahu; Waiahole-Waikane, Oahu; Makaha, Oahu; Waimanalo, Oahu; and Punaluu-Hauula, Oahu.

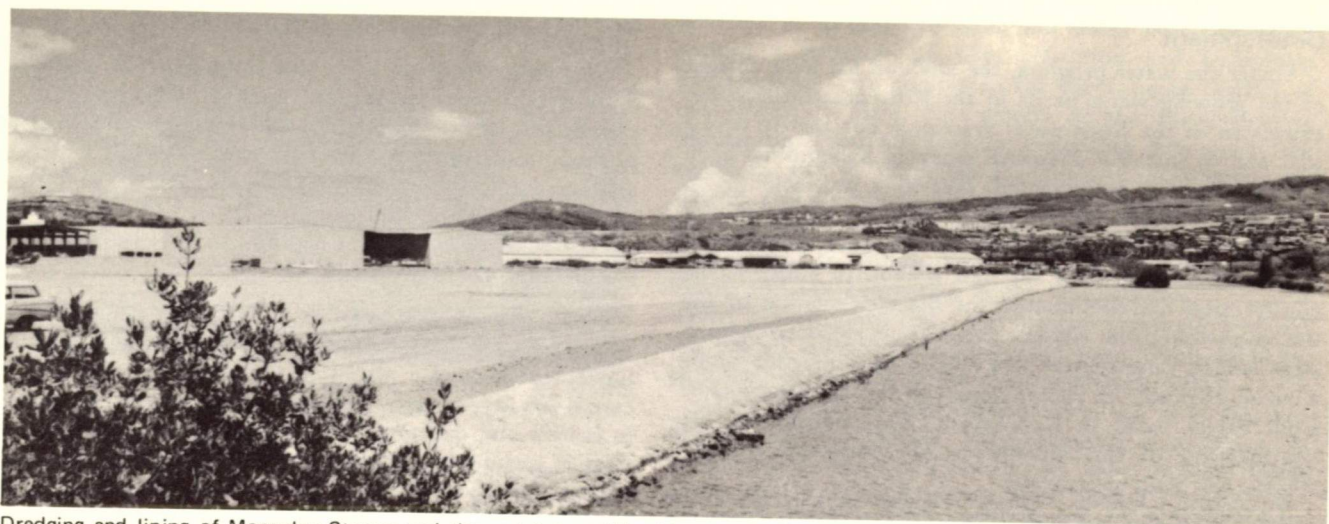
The Division maintains a complete file on flood damage in the State of Hawaii. The file includes newspaper reports, reports from flood agencies and survey reports of actual damage conducted by the staff. Immediately following any flood occurrence in the State, the Division, in cooperation with state and county Civil Defense Agencies, the U.S. Army Corps of Engineers and the U.S. Soil Conservation Service, canvasses the inundated areas to determine the extent and severity of damage. All information compiled through this joint effort is evaluated in the Division's Honolulu office for justification of future flood control projects.

Under a cooperative agreement with the U.S. Geological Survey, the Division plans and maintains a network of crest-stage stations in operation throughout the State. Data and analysis of the data collected from these stations are collated and published in an annual progress report.

Through the cooperative efforts of the U.S. Geological Survey, Department of Transportation, and Department of Land and Natural Resources, a network of rain gages and stream gaging stations was installed in the Moanalua Watershed to provide data for a rainfall-runoff study.

Development

Construction of the Puukapu Watershed Project was completed. This project was constructed under Public Law 566, administered by the U.S. Soil Conservation Service; and provides flood protection for the Waimea Community



Dredging and lining of Moanalua Stream and the reclaiming of land is completed for an industrial subdivision at Shafter Flats, Honolulu, Oahu.

on the Island of Hawaii. The project includes a flood retarding dam, flood water discharge wells and a diversion channel from Lanimaumau Stream to the dam. This Department, together with the County of Hawaii, Mauna Kea Soil and Water Conservation District and the Department of Hawaiian Home Lands co-sponsored the project. Other projects sponsored under Public Law 566 include modification of the Naalehu Watershed Project and construction of the Kona Watershed Project on Hawaii. A draft of the work plan for Kahaluu Watershed Project on Oahu was completed, and final planning for the Honolulu Watershed Project on Maui is continuing. Under a trust fund agreement with the U.S. Soil Conservation Service, the Department contributed \$20,000 to accelerate three watershed projects—the Wailuku-Alenaio Watershed and the Waiohinu Watershed Projects on the Big Island, and the Honouliuli Watershed Project on Oahu.

The Corps of Engineers provides federal assistance under Section 205 of the Flood Control Act of 1948 and has begun construction on the Kulioouou Flood Control Project, which is sponsored by the City and County of Honolulu.

Together, the Corps of Engineers and the Soil Conservation Service are investigating thirteen flood control projects to determine their economic feasibility and qualification for federal assistance.

Under the flood prevention and control program, a contract to clear the Kahawai Stream and to construct a maintenance ramp to the channel floor has been completed. Construction was initiated on improvements to the drainage canal and culvert at the corner of Kumuhau and Waikupanaha Streets in Waimanalo. Contract plans and specifications have been completed for the construction of a masonry-lined drainage ditch near the corner of Pensacola and Prospect Streets. All of these projects are on State land and the improvements are being constructed to protect the residences in the area.

MINERAL PROGRAM

The Division continues to administer a cooperative agreement with the U.S. Bureau of Mines for canvassing mineral production in the State. This information is

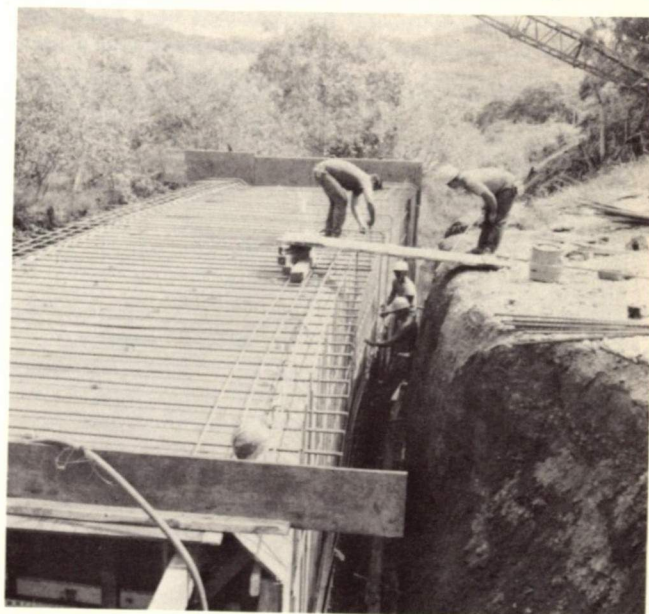
published annually in the Minerals Yearbook by the Bureau. Principal mineral commodities include crushed aggregate, sand and gravel, volcanic cinder, cement, lime, gem stones (black and pink coral), clay and solar-evaporated salt.

Serving as the State agency for mineral resources and mining information, the Division maintains a current listing of mineral producers and quarry operations of the State. It also provides technical assistance to the Department, other governmental agencies and the general public on all matters relating to mineral resources.

During the fiscal year, more than 300 requests for technical information and rock samples were handled.

ENGINEERING SUPPORT

The Division continues to provide engineering services on request for development programs of the Department.



Installing reinforcing steel for a box culvert to alleviate flood problem at the corner of Waikupanaha and Kumuhau streets, Waimanalo, Oahu.

Detailed project planning and feasibility studies are done only for the water development program, while the preparation of contract plans and specifications as well as inspection of capital improvement construction is provided for all programs.

Under the land development program the Division is actively engaged in the development of state-owned lands for residential, industrial, recreational, resort, and other uses. On Oahu, state-owned lands in the Kewalo district adjacent to Fort Armstrong will be developed into a wholesale food distribution center. A consultant firm has completed a preliminary engineering report and is presently preparing the construction plans for construction of the first increment of the food distribution center.

At Shafter Flats a six-lot subdivision is being constructed to provide sites for the State agencies which must be relocated from the Ft. Armstrong area.



Installing 42-inch reinforced concrete culvert drain line at Shafter Flats, Honolulu, Oahu.



Foundation for a 1-million gallon steel tank in the Mauna Kea State Park, island of Hawaii.

In Waimanalo, construction has been completed for the Waimanalo sewage treatment plant and the effluent disposal well. Land acquisition problems have delayed the completion of a sewage pumping station and the interceptor pipeline extending from the plant to the completed first-stage of the core development.

On the Island of Maui, construction plans are being prepared for the development of 72 lots in the fifth series of the Wahikuli Houselot Subdivision.

On the Island of Hawaii, the widening and realigning of Banyan Drive within the Waiakea Peninsula of Hilo has been completed. This project provides the much needed access to adequately support the rapidly expanding hotel area.

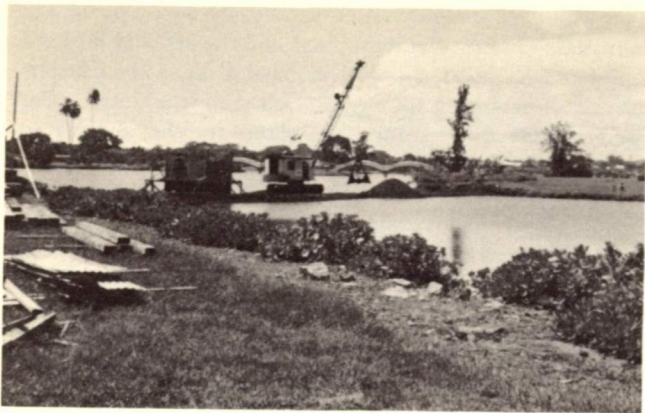
A tabulation of the projects accomplished by the Division includes seven projects under the land program, 18 projects under the water program, 13 projects under the State Parks program, three projects under the Forestry program, two projects under the Flood Prevention and Control program, and one project each under the Fish and Game and Job Corps programs.

IRRIGATION SYSTEMS

The Division operates and maintains three irrigation systems—Waimanalo, Lalamilo, and Molokai. The Waimanalo Irrigation System, completed its 15th year of service to 95 farmers, who occupy 921 acres of Oahu's largest diversified agricultural area. Waimanalo experienced the driest August month, according to U.S. Weather Bureau's recordings. This dry spell increased the water consumption, and water sales for the year jumped to 127 million gallons from 75.4 million gallons the year before. Total rainfall during the year was gaged at 56.45 inches. Waimanalo has become the leading string bean producing center in Hawaii. Hybrid banana plantings have increased and production in vanda orchids and plumerias were stepped up to meet the continued expansion of the tourist industry.

The Waimea-Lalamilo Irrigation System completed its 8th year of service to 24 farmers who cultivate 196 acres. Water sales for the year declined to 88.6 million gallons from 93.8 million gallons last year. This decline was due to heavy rainfall during the month of December, January, February and April. Crop production decreased slightly due to farm labor shortage, and land left idle. This year, the vacuum-cooling plant processed about 4.8 million pounds of produce, most of which comes from the area served by the State Irrigation System. The Military services purchase an average of 65,000 pounds of produce per month from this area. The 4.5 million gallons service reservoir was completely relined with butyl rubber. Additional improvements are being planned to improve the operation of the system.

The Molokai Irrigation System completed its 4th year of operation. During this period, the distribution pipeline along Farrington Avenue was completed and construction begun on the 1,400 million gallon Kualapuu Reservoir. Libby, McNeill & Libby completed the construction of their feeder line which serves the Maunaloa area and is presently taking water from the system for spraying purposes. The introduction of the seed corn industry to the



Crane excavates footing for footbridge at the Wailoa River State Park, Hilo, Hawaii.

island of Molokai has encouraged additional areas of agricultural lands to be opened. Molokai Farm, Inc. who had 267 acres of potato under cultivation was abandoned. The total acreage of pineapple lands irrigated by this system was increased from 5,000 acres to 6,677 acres and the acreage of diversified crops irrigated is now 93 acres. Water sales of the past year totaled 256.6 million gallons, a decline from the 344.6 gallons last year. This reduction is largely due to the closing of the Molokai Farm, Inc. At present there are 23 homesteaders in the Hoolehua area connected to the system and applications are still being received for connection to the newly installed pipelines.

SOIL AND WATER CONSERVATION DISTRICTS

The Department of Land and Natural Resources provides administrative support to the Soil and Water Conservation Districts in the State. The Districts are political subdivisions of the State and the 15 districts cover about 96 percent of the total land area in Hawaii. Each district is governed by five directors who serve without compensation. Through cooperative agreements with public agencies and private organizations, the districts assist individual land operators in the application of sound land treatment measures to prevent erosion and flooding and to conserve water.

The Division coordinates the activities among the districts on a statewide basis and the activities between the districts on a statewide basis and the activities between the districts and other public and private organizations. This is accomplished through correspondence, and through meetings with the district directors and other interested parties. The Division also assists in the election and appointment of directors. This year, three directors were elected and two directors were appointed by the Chairman and Board of Land and Natural Resources. To streamline the election process, the 1969 Legislature passed a law eliminating the need to conduct a formal election when the number of nominees for a district director does not exceed the number of vacancies for directorship. When this occurs, the unopposed candidates can be elected outright and the Board will certify the election of the candidates nominated.

SECTION 8

Appendices to the Report

of the Department of Land and Natural Resources

1968-1969

Containing statistical data and other information relating to the operations and accomplishments of Staff Offices and Operating Divisions of the Department.

PERSONNEL DIVISION

Table1. SUMMARY OF PERSONNEL TRANSACTIONS—July 1, 1968 to June 30, 1969

Accessions	116	Other Personnel Actions	284
New Hire — Permanent	37	(Excludes increment and pay adjustments; conversion from probational to permanent status).	
Transfer from Dept. of Accounting & Gen. Services (Act 254/67)	6	Promotions	18
Inter-Agency Transfer	5	Reallocations	18
New Hire — Limited Term Appointment	13	Reclassifications	101
Temporary Appt. Outside List	24	Change in Title	19
Emergency	20	Limited Term Promotions	8
Provisional	7	Temporary Assignments	33
Exempt	4	Repricing	25
Separations	74	Intra-Agency Transfers	9
Resignation and Transfer (Permanent employees)	38	Extension Limited Term Appts.	13
Resignation and Termination (Temporary Services)	31	Extension Temporary Appt. Outside List	5
Retirement	5	Extension Exempt Appointments	5
		Extension Limited Term Promotion	1
		Temporary Appt. Outside List to Limited Term Appointment	1
		Limited Term Appt. to Permanent Appt.	3
		Provisional to Permanent	4
		Leave Without Pay (Maternity)	3
		Leave Without Pay (Others)	12
		Extension Leave Without Pay	4
		Voluntary Demotion	1
		Suspension	1

Table 2. FULL-TIME PERSONNEL EMPLOYED BY THE DEPARTMENT, BY DIVISIONS AND ISLANDS, AS OF JUNE 30, 1969

Divisions	June 30, 1968	June 30, 1969					Total
		Hawaii	Oahu	Kauai	Maui	Molokai Lanai	
Departmental Administration and Staff Offices	25	—	24	1	—	—	25
Conveyances	41	—	40	—	—	—	40
Fish & Game	60	15	33	5	5	5	63
Forestry	75	29	16	18	12	3	78
Land Management	27	2	20	2	2	—	26
State Parks	78	18	23	34	10	—	85
Water & Land Development	50	4	42	1	—	3	50
TOTAL	356	68	198	61	29	11	367
*Hawaii Job Corps Center	75						
**NYC Program	1						
	432						

(Excludes Student Helpers employed June—August 1968)

*Hawaii Job Corps Center transferred to Dept. of Labor & Industrial Relations June 27, 1969.

**NYC Program transferred to Dept. of Education 9/3/68.

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 1959-1969

Fiscal Year	Number of Deeds Filed and Recorded	Approx. Value of Land Conveyed	Total Filing and Recording Fees Received
1959-60	10,077	\$121,464,000.00	\$287,836.45
1960-61	9,481	119,661,400.00	267,664.05
1961-62	9,045	109,942,500.00	276,640.40
1962-63	11,061	101,987,000.00	314,485.90
1963-64	11,680	102,232,000.00	357,938.40
1964-65	12,175	101,482,100.00	408,619.55
1965-66	12,799	133,301,000.00	412,919.30
1966-67	11,643	218,966,000.00	341,266.65
1967-68	13,615	528,972,370.00	344,247.30
1968-69	14,683	809,639,656.00	386,887.25

Table 2. DOCUMENTS RECORDED AND FILED AND LAND COURT CERTIFICATES OF TITLE ISSUED BY THE BUREAU OF CONVEYANCES FROM 1959-1969

Fiscal Year	Documents Recorded and Filed			
	Total	Regular System	Land Court System	Land Court Certificates of Title Issued
1959-60	52,243	32,455	19,788	4,270
1960-61	48,529	32,039	16,490	3,817
1961-62	52,013	35,416	16,597	3,524
1962-63	58,803	40,211	18,592	4,619
1963-64	67,004	42,273	24,731	5,884
1964-65	76,033	47,190	28,843	5,698
1965-66	77,011	46,640	30,371	6,000
1966-67	67,690	42,834	24,856	5,549
1967-68	84,922	56,864	28,058	6,006
1968-69	90,502	61,095	29,407	6,146

Table 3. RECEIPTS AND DISBURSEMENTS OF THE BUREAU OF CONVEYANCES FROM 1959 TO 1969

Fiscal Year Ending June 30	RECEIPTS			DISBURSEMENTS		
	Total	Regular System	Land Court System	Total	Regular System	Land Court System
1959-60	\$ 290,061.13	\$ 197,467.68	\$ 92,593.45	\$ 229,428.72	\$ 140,430.33	\$ 88,998.39
1960-61	270,033.95	190,340.40	79,693.55	240,162.33	151,859.96	88,302.37
1961-62	279,283.70	202,179.05	77,104.65	241,078.16	147,697.94	93,380.22
1962-63	317,092.90	226,325.50	90,767.40	257,510.97	155,804.07	101,706.90
1963-64	360,775.00	241,327.70	119,447.30	236,623.99	149,042.46	87,581.53
1964-65	412,761.75	285,556.95	127,204.80	208,090.75	109,908.77	98,181.98
1965-66	417,023.20	282,555.30	134,467.90	244,667.91	133,111.94	111,555.97
1966-67	346,800.75	225,594.85	121,205.90	317,808.00	168,438.24	149,369.76
1967-68	410,961.30	282,399.70	128,561.60	331,976.00	173,554.00	158,422.00
1968-69	459,689.30	326,575.55	133,113.75	339,068.04	186,487.42	152,580.62
10 yr. total	\$3,371,936.88	\$2,304,556.78	\$1,167,375.10	\$2,748,806.83	\$1,447,937.78	\$1,060,438.33

Table 4. VALUE OF PROPERTY TRANSFER IN THE STATE OF HAWAII, BY COUNTIES, 1959-1969¹

Year ²	MAUI		HONOLULU		HAWAII		KAUAI		State of Hawaii
	% of State	Amount	% of State	Amount	% of State	Amount	% of State	Amount	
68-69	8.64	\$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
61-62	2.46	2,719,500	87.96	97,231,500	8.55	9,452,000	1.03	1,139,500	110,542,500
60-61	5.07	6,063,700	88.64	103,683,500	6.99	8,362,200	1.30	1,552,000	119,661,400
59-60	2.50	3,036,500	90.06	109,392,000	6.45	7,835,000	0.99	1,200,500	121,464,000

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 1968-69

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

Table 2. COMMERCIAL FISHING LICENSES AND PERMITS 1968-69

Kind of License and Permits	Number	Collections (dollars)
Commercial Fishing—Resident	1,022	\$10,220.00
Commercial Fishing—Non-Resident . . .	6	120.00
Power Boat Permit	487	3,407.20
Row Boat and Sail Boat Permit	22	22.00
Boat Plates (pair)	188	472.80
Mullet License	64	242.50
Lobster License	1	2.50
Commercial Bait Permit	43	43.00
Duplicate Commercial Fishing License .	5	2.50
Total	1,838	\$14,532.50

Table 3. COLLECTIONS — ALL SOURCES: 1964-65 TO 1968-69

Years ending June 30	All Collections	Commercial Fishing	Freshwater Game Fishing	Hunting	Miscellaneous Licenses, Permits, and Other Income
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: 1968-69

Type	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	106	\$387.95	—	—	2,568	\$9,158.70	351	\$1,260.38	3,025	\$10,807.03
Non-Resident	—	—	—	—	5	36.36	4	28.87	9	65.23
Juvenile	63	92.09	—	—	526	750.99	97	139.03	686	982.11
Tourist	—	—	—	—	38	136.13	13	47.24	51	183.37
Duplicate	—	—	1	.50	22	10.42	4	1.90	27	12.82
Total	169	\$480.04	1	\$.50	3,159	\$10,092.60	469	\$1,477.42	3,798	\$12,050.56

Table 5. HUNTING LICENSES: 1968-69

	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	2,014	\$14,607.13	1,776	\$12,721.28	3,413	\$24,445.93	905	\$6,514.48	8,108	\$58,288.82
Non-Resident	204	2,918.25	17	243.00	31	447.00	1	15.00	253	3,623.25
Duplicate	69	34.23	106	52.24	63	31.72	30	14.60	268	132.79
Total	2,287	\$17,559.61	1,899	\$13,016.52	3,507	\$24,924.65	936	\$6,544.08	8,629	\$62,044.86

Table 6. MISCELLANEOUS GAME LICENSES, SALES, DONATIONS AND RENTAL: 1968-69

Type	Number	Amount (dollars)
Game Bird Farm License	31	\$ 31.00
Sale of Publication "Game Birds in Hawaii" . .	64	31.00
Sale of Confiscated Legal Hunting Gear	—	—
Sale of Confiscated Fishing Gear	—	—
Donation	—	—
Rental of Hunting Cabins—Hawaii	33	468.00
Total	128	\$530.00

Table 7. MISCELLANEOUS PERMITS (NO CHARGE) 1968-69

Type	Number
Permit for destruction of wild birds injurious to crops	7
Scientific collecting permit	21
Field trial permit (hunting)	9
Permit for entry on bird sanctuaries	8
Aquarium fish permit	59
Permit to keep birds in captivity	6
Group permit	3
Other permit	7
Total	120

Table 8. FEDERAL AID FUNDS 1968-69

Type	Amount (dollars)
Pittman-Robertson Federal Aid in Wildlife Restoration Fund	\$113,485.99
Dingell-Johnson Federal Aid in Fish Restoration Fund	86,194.01
Nene Restoration Project Fund	33,044.85
Hawaiian Islands National Wildlife Refuge Fund	690.64
Commercial Fisheries Research & Development (P.L. 88-309) Fund	42,282.40
Total	\$275,697.89

Table 9. COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII - FISCAL YEAR JULY, 1968 - JUNE, 1969

Sea Catch by Species

Species	Pounds	Value
Aku (Skipjack)	7,587,571	\$1,404,317
Ahi (Yellowfin)	355,466	194,407
Ahipalaha (Albacore)	24,406	10,221
Ahi (Bigeye)	585,207	555,944
Kawakawa	40,684	10,529
Swordfishes (Misc.)	1,022	392
Stripe Marlin	320,043	184,010
Pacific Blue Marlin*	106,958	40,295
Black Marlin**	2,948	1,774
Broadbill	14,624	2,757
A'u lepe (Sailfish)	8,293	2,850
Mahimahi	63,239	47,410
Ono	31,107	7,391
Hapuupuu	18,896	10,653
Kahala	73,557	26,229
Kalekale	4,157	3,082
Omilu	6,876	4,868
Opakapaka	85,681	53,334
Uku	53,677	27,192
Ulaula (Ehu)	16,321	16,048
Ulaula Koae (Onaga)	53,935	70,411
Ulua	82,211	44,497
Weke-ula	14,890	10,064
Aawa	879	100
Aholehole	3,809	2,437
Akule	427,352	155,482
Hahalalu	392,424	145,683
Amaama (Mullet)	26,863	27,921
Awa	24,674	7,344
Aweoweo	2,235	882
Humuhumu (Hage)	3,283	1,114
Kaku (Barracuda)	1,963	417
Kala	32,020	5,861
Kawealea	2,644	1,194
Kumu	8,591	11,386
Laenihi (Nabeta)	3,198	2,099
Lehi	5,810	2,341
Maomao (Mamo)	2,015	661
Manini	12,401	7,100
Moano	13,129	7,764
Moi	13,188	12,430
Moelua	6,048	3,471
Nenu	8,611	3,218
Nohu (Hogo)	1,317	1,067
Oio	34,912	6,377
Opelu	248,248	100,952

Species	Pounds	Value
Palani	11,900	\$ 2,838
Pualu	17,575	3,425
Puhi (eel)	3,596	280
Puhi (white eel)	1,245	139
Uhu	5,493	1,920
Ukikiki (Gindai)	508	314
Uouoa	166	86
Uu (Menpachi)	11,005	7,770
Weke	34,359	12,602
Malu	898	534
Saba	16	7
Crab (Papai-Misc.)	3,595	1,647
Crab (Kona)	35,955	38,947
Crab (Kuahonu)	6,131	6,136
Crab (Moala)	1,162	547
Crab (Samoan)	402	461
Opae (Shrimp)	592	755
Ula (Lobster)	8,312	8,525
Ulapapapa	105	58
Hee (Octopus)	5,715	3,806
Muhee (True Squid)	3,236	2,065
Opihi (Limpet)	23,818	18,345
Honu (Turtle)	3,480	481
Misc.	71,665	21,218
TOTAL	11,078,312	\$3,368,882

Pond Catch by Species

Species	Pounds	Value
Ulua	531	\$ 444
Aholehole	39	14
Amaama (Mullet)	1,565	1,648
Awa	9,489	4,756
Awaawa	240	86
Kaku	268	193
Moi	104	94
Oio	3,512	1,331
Crab (Kuahonu)	338	254
Crab (Moala)	14	4
Crab (Samoan)	267	196
Misc.	1,437	651
TOTAL	17,804	\$ 9,671
GRAND TOTAL	11,096,116	\$3,378,553

*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, 1968 THROUGH JUNE, 1969

Island	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Hawaii	897,134	\$ 246,554	—	—	897,134	\$ 246,554
Maui	847,269	190,223	—	—	847,269	190,223
Lanai	10,715	4,541	—	—	10,715	4,541
Molokai	30,019	13,218	742	\$ 624	30,761	13,842
Oahu	9,010,345	2,816,546	17,062	9,047	9,027,407	2,825,593
Kauai	282,830	97,800	—	—	282,830	97,800
TOTAL	11,078,312	\$3,368,882	17,804	\$ 9,671	11,096,116	\$3,378,553

Table 11. COMMERCIAL FISH LANDINGS BY MONTH, STATE OF HAWAII - FISCAL YEAR - JULY, 1968 THROUGH JUNE, 1969

Month [*]	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
1968						
July	1,732,223	\$ 340,269	781	\$ 370	1,733,004	\$ 340,639
August	1,987,846	382,085	843	431	1,988,689	382,516
September	879,004	227,860	941	483	879,945	228,343
October	784,248	252,631	825	409	785,073	253,040
November	953,900	279,577	1,042	665	954,942	280,242
December	661,650	340,802	2,044	1,142	663,694	341,944
1969						
January	379,046	189,366	1,567	1,135	380,613	190,501
February	276,336	167,785	1,686	929	278,022	168,714
March	410,874	240,567	1,907	1,016	412,781	241,583
April	567,786	269,914	3,251	1,588	571,037	271,502
May	1,025,403	306,588	2,013	1,035	1,027,416	307,623
June	1,419,996	371,438	904	468	1,420,900	371,906
TOTAL	11,078,312	\$3,368,882	17,804	\$9,671	11,096,116	\$3,378,553

Table 12. FISHING AND HUNTING VIOLATIONS 1968-69

Type of Violation	Number	Type of Violation	Number
FISHING VIOLATIONS		HUNTING VIOLATIONS	
Fishing with illegal mesh net/throw net	15	Hunting without license	15
Taking and possession of lobster with spear, below the legal weight, during closed season and while with eggs	36	Hunting game birds and game mammals during the closed season, and hunting deer at night	13
Taking oysters during the closed season	6	Unlawful carriage and possession of firearms	5
Taking, possession and offering for sale sea mullets during closed season	11	Hunting and being present in a game management area with firearms without permit, possession of a loaded firearm in a vehicle, and hunting without permit	4
Possession of Kona crabs with eggs	2	Hunting in an unauthorized area, and hunting with firearm in an archery area	12
Fishing with net in restricted areas	12	Hunting with dogs in a game management area where the use of dog is prohibited	5
Fishing in a marine conservation district	3	Hunting on private land without the landowners permission	4
Possession of speared fish and octopus below the legal size and weight	2	Failure to display hunting license while hunting	10
Offering for sale fish and lobsters below the legal size and weight	12	Total Hunting Violations	68
Possession of chemical on fishing craft without permit	1	MISCELLANEOUS VIOLATIONS	
Taking akule less than the legal size with a net	2	Unlawful entry upon a bird sanctuary	12
Commercial fishing without license, and failure to display badge	20	Unlawful possession of wild (mounted) birds	2
Failure to display commercial fishing boat numbers on commercial fishing craft	2	Total Miscellaneous Violations	14
Fishing with fish trap larger than the legal size	1		
Failure to produce fish dealer's receipt	1		
Fishing without freshwater game fishing license	27		
Unlawful entry and fishing in a freshwater fish refuge and public fishing area without permit	7		
Minor fishing in public fishing area without adult supervision, and fishing with more than one rod and line	6		
Total Fishing Violations	166		
		TOTAL FISHING, HUNTING AND MISCELLANEOUS VIOLATIONS	
			248

Table 13. ARRESTS AND DISPOSITION 1968-69

Subject	The State	Hawaii County	Honolulu County	Kauai County	Maui County
Citations	141	—	119	—	22
Arrests	96	22	38	8	28
Number of Charges	248	22	161	8	57
Convictions	94	6	54	5	29
Bail Forfeitures	64	10	36*	3	15
Released to Military Authorities	4	—	4	—	—
Released to Juvenile Authorities	36	4	28	—	4
Cases Pending	40	—	30	—	10
Fines	29	2	11	3	13
Suspended Fines	20	—	13	—	7
Suspended Sentences	12	4	8	—	—
Split Fines (Fines, Suspended Fines, Probation)	30	—	19	2	9
Cases Dismissed	26	1	24*	—	1

*Includes Disposition of six (6) cases (2-bail forfeitures, 4-dismissals) from 1967-1968.

Table 14. INCOME FROM ARRESTS 1968-69

Area	Fines	Bail Forfeitures	Suspended Fines
The State	\$1,415	\$1,480	\$1,850
Hawaii County	35	175	
Honolulu County	610	890	1,110
Kauai County	80	30	150
Maui County	690	385	590

DIVISION OF FORESTRY

Table 1. FOREST INCOME FISCAL YEAR 1968-69

Source	Kauai	Oahu	Molokai	Maui	Hawaii	Kamuela	Total
Nursery Sales	\$216.70	—	—	\$ 35.75	\$ 316.50	\$1,062.00	\$ 1,630.95
Sales of Forest Products:							
Timber Stumpage	—	—	—	—	14,434.75	—	14,434.75
Tree Fern Stumpage	—	—	—	—	4,434.36	—	4,434.36
Other ¹	—	1,164.50	—	389.25	93.14	—	1,646.89
Rental and Miscellaneous	—	—	—	—	94.60	—	94.60
Total: Non-Federal	\$216.70	\$1,164.50	—	\$425.00	\$19,373.35	\$1,062.00	\$22,241.55
Federal Corporation:							
Clarke-McNary, Sec. 2, Forest Fire							\$ 47,494.12
Clarke-McNary, Sec. 4, Nursery Operation							3,000.00
Title IV Program Reforestation							30,000.00
Agricultural Conservation Program							2,500.00
Cooperative Forest Management							16,813.53
Total: Federal Sources							\$ 99,807.65
GRAND TOTAL							\$122,049.20

¹ Includes Christmas Trees, Ti, Bamboos, Lava Rock, Lauhala, Tree Branches.

Table 2. REFORESTATION PROGRAM IN FOREST RESERVES FISCAL YEAR 1968-69

Island and Type of Organization	Clearing Area (Acres)	Planting		Replanting		Road Construction (Miles)
		Area (Acres)	Trees (No.)	Area (Acres)	Trees (No.)	
Kauai:						
Division of Forestry	94	250	79,359	46	17,750	—
Contractors	106	—	—	—	—	—
Total	200	250	79,359	46	17,750	—
Oahu:						
Division of Forestry	4	—	—	—	—	—
Total	4	—	—	—	—	—
Molokai:						
Division of Forestry	62	54	36,760	—	—	—
Total	62	54	36,760	—	—	—
Maui:						
Division of Forestry	195	195	129,000	6	4,000	—
Total	195	195	129,000	6	4,000	—
Hawaii:						
Division of Forestry	—	1,000	368,745	52	10,900	—
Contractors	1,267	—	—	—	—	12.15
Total	1,267	1,000	368,745	52	10,900	12.15
State:						
Division of Forestry	355	1,499	613,864	104	32,650	12.15
Private Contractors	1,373	—	—	—	—	—
TOTAL	1,728	1,499	613,864	104	32,650	12.15

Table 3. ACRES AND NUMBERS OF TREES PLANTED BY SPECIES AND FOREST RESERVE FISCAL YEAR 1968-69¹

Species	Halealea Kauai	Kalopa Kauai	Kealia Kauai	Puu Ka Pele Kauai	Kula Maui	Molokai Molokai	Hamakua Hawaii	Olaa Hawaii	Upper Waiakea Hawaii	Total
Australian redcedar	—	—	—	—	—	—	22	19	317	358
—Toona australis—	—	—	—	—	—	—	(13,775)	(5,100)	(155,800)	(174,675)
Bagras eucalyptus	—	—	—	—	—	—	—	—	27	27
—Eucalyptus deglupta—	—	—	(5)	—	—	—	—	—	(8,200)	(8,205)
Loblolly pine	—	—	—	9	—	23	—	—	—	32
—Pinus taeda—	—	—	—	(6,050)	—	(15,590)	—	—	—	(21,640)
Maritime pine	—	—	—	—	195	—	—	—	—	195
—Pinus pinaster—	—	—	—	—	(129,000)	—	—	—	—	(129,000)
Queensland-maple	—	—	—	—	—	—	5	19	35	59
—Flindersia brayleyana—	—	—	—	—	—	—	(2,770)	(5,100)	(12,950)	(20,820)
Saligna	77	8	34	20	—	—	—	120	374	633
—Eucalyptus saligna—	(21,536)	(3,690)	(9,818)	(7,190)	—	—	—	(36,000)	(112,350)	(190,584)
Rosegum	79	—	7	—	—	—	—	—	62	148
—Eucalyptus grandis—	(20,250)	—	(2,500)	—	—	—	—	—	(16,700)	(39,450)
Slash pine	—	—	—	10	—	31	—	—	—	41
—Pinus elliottii—Tallowood	—	—	—	(6,450)	—	(21,170)	—	—	—	(27,620)
Tallowood	1	—	5	—	—	—	—	—	—	6
—Eucalyptus microcorys—	(450)	—	(1,408)	—	—	—	—	—	—	(1,858)
Miscellaneous ²	—	—	—	—	—	—	—	—	—	—
TOTAL	157	8	46	39	195	54	27	158	815	1,499
	(42,236)	(3,690)	(13,743)	(19,690)	(129,000)	(36,760)	(16,545)	(46,200)	(306,000)	(613,864)

¹ Within body of table, values in parentheses are numbers of trees; values without parentheses are acres.

² Cuban mahoe (2), shower (5), flowering gum (5).

Table 4. NURSERY DISTRIBUTION FISCAL YEAR 1968-69 (Number of Trees)

Ownership Class	Central Tree Nursery			Kauai			Maui			Hilo		State
	Timber & Other	Wind- break	Timber & Other	Timber & Other	Wind- break	Timber & Other	Timber & Other	Wind- break	Timber & Other	Wind- break	All	
Federal	2,600	—	—	—	200	—	—	—	—	—	¹ 2,800	
State Forest	524,150	—	—	39,246	—	—	—	—	49,445	—	613,902	
Other State	—	4,644	—	—	—	1,061	—	—	146	—	4,790	
Town, City, County, School Land, etc.	13,500	200	—	20	—	—	—	—	21	—	13,741	
Persons, Clubs, Association & Private Schools	136,190	24,629	—	2,580	159	—	—	—	13	580	164,151	
Forest Reserves, Not State-owned	63,400	—	—	—	—	—	—	—	—	—	63,400	
Plantations, Ranches, Water & Power Co., etc., not in Forest Reserve	1,000	8,875	—	—	19,960	—	—	—	—	—	29,835	
Total Timber Trees	740,840	—	—	41,846	—	1,061	—	—	49,625	—	833,372	
Total Windbreak Trees	—	38,348	—	—	20,319	—	—	—	—	580	59,247	
Ornamental Trees	—	—	—	—	—	—	—	—	—	—	² 41	
All Trees	740,840	38,348	—	41,846	20,319	1,061	—	—	49,625	580	3892,660	

¹ To Guam, Samoa, and Trust Territories.

² Hilo Nursery

³ Includes 41 ornamentals, neither windbreak nor timber.

Table 5. FOREST AND BRUSSLAND FIRES FISCAL YEAR 1968-69

Geographic Area	Date	Acres Burned	Date	Acres Burned
The State (20 Fires—4,343 Acres)				
Oahu (7 Fires—400 acres)				
Honolulu Watershed Reserve (Kalihi)	7/ 8/68	10	Hawaii (10 Fires—3,884 acres)	
Honolulu Watershed Reserve (Kalihi)	7/15/68	4	Keaau, Paradise Park Subdivision	7/ 2/68 44
Kawailoa Forest Reserve	8/ 9/68	315	Waiakea Camp 4	7/ 9/68 10
Honolulu Watershed Forest Reserve (Kalihi)	9/ 6/68	2	Kawaihae 2	7/12/68 480
Kuliouou 2 Ridge	9/28/68	61	Keonepoko Iko-Pahoa	8/16/68 540
Moanalua (Damon Trust Land)	5/15/69	6	Lalamilo, South Kohala	8/22/68 5
Honolulu Watershed Reserve (Moanalua)	5/31/69	2	Kapaa, Kohala	8/22/68 575
Kauai (2 Fires—9¼ acres)				
Waimea (Kokee State Parks)	1/30/69	¼	Lalamilo, South Kohala	8/26/68 250
Kilohana, near Lihue-Koloa Forest Reserve	6/ 3/69	9	Lalamilo and Waiakealoa, South Kohala	8/30/68 1,650
Molokai (1 Fire—50 acres)				
Honouliwai	2/ 8/69	50	Hawaiian Acres Subdivision adj. to Puna Forest Reserve	12/31/68 325
			Umauma, Hilo Forest Reserve	1/25/69 5

Table 6. ROADS, TRAILS, AND FENCES

Island	Construction (Feet)			Maintenance (Feet)		
	Roads	Trails	Fences	Roads	Trails	Fences
Kauai	—	11,880	—	196,680	246,840	2,090
Oahu	—	—	—	75,240	95,568	21,000
Molokai	—	—	—	549,648	—	7,200
Maui	9,240	7,920	1,320	130,680	—	8,692
Hawaii	40,128	1,003	1,584	540,144	94,882	36,350
Total:						
Feet	49,368	20,803	2,904	1,492,392	437,290	75,332
Miles	9.35	3.94	.55	282.65	82.82	14.27

Table 7. SURRENDER AGREEMENTS FOR PRIVATE LANDS IN CONSERVATION DISTRICTS, JUNE 30, 1969

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, 1969
(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
Hauapu	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
Molooa	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	—	—	—	—
Papapohalahola	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	3,710.00	—	—	—	3,710.00	—
Makua-Keauu	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
Kaupulehu	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, INSTITUTE OF PACIFIC ISLANDS FORESTRY, FISCAL YEAR 1969

Nelson, Robert E., Wesley, H.C., Jr., and Wick, Herbert L.		Wong, Wesley H.C., Jr., Nelson, Robert E., and Wick, Herbert L.	
1968. Plantation timber on the Island of Oahu. U.S. Forest Serv. Resource Bull. PSW-10. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 52 pp., illus.		1968. Plantation timber on the Island of Molokai—1967. U.S. Forest Serv. Resources Bull. PSW-9. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 25 pp., illus.	
Null, William S.		U.S. Forest Service	
1969. Photographic interpretation of canopy density—a different approach. Jour. Forestry 67(3):175-177.		1969. Highlights—1968, Institute of Pacific Islands Forestry, Honolulu, Hawaii. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 7 pp., illus.	
Walters, Gerald A., and Schubert, Thomas H.			
1969. Saligna eucalyptus growth in a five-year-old spacing study in Hawaii. Jour. Forestry 67(4):232-234.			
Wick, Herbert L.			
1968. Forest products harvested in Hawaii—1967. U.S. Forest Serv. Res. Note PSW-179. Pacific SW. Forest & Range Exp. Sta., Berkeley, Calif. 5 pp., illus.			

DIVISION OF LAND MANAGEMENT

Table 1. AREA, COASTLINE, AND ELEVATION OF HAWAII, BY ISLANDS

Island ¹	(Area (square statute miles)		Coastline (stat. miles)			Highest elevation	
	Total	Land	Inland water	General coastline	Tidal shoreland	Peak	Height (feet)
The State	6,450	6,425	25	750	1,052	Mauna Kea	13,796
Hawaii	4,038.0	4,037.0	1.0	266	313	Mauna Kea	13,796
Maui	728.8	728.2	0.6	284	149	Haleakala	10,023
Kahoolawe	45.0	45.0	—		36	Lua Makika	1,477
Lanai	139.5	139.5	—		52	Lanaihale	3,370
Molokai	261.1	260.9	0.2		106	Kamakou	4,970
Oahu	607.7	592.7	15.0	112	209	Kaala	4,040
Kauai	553.3	548.7	4.6	90	110	Kawaikini	5,243
Niihau	73.0	69.6	2.4	45	50	Paniu	1,281
Lehua	0.4	0.4	—	(NA)	(NA)	—	702
Kaula	0.4	0.4	—	2	2	—	550
Northwestern Hawaiian Islands ³	3.2	3.0	0.2	25	25	Miller's Peak	910

NA Not available

¹ The State consists of 132 named islands, with a median area of 1.6 acres. The eight major islands contain 99.9 percent of the land area of the State; Hawaii Island alone accounts for 62.8 percent.

² Other important peaks include Mauna Loa, 13,677; Hualalai, 8,271; Kohala, 5,480; Kilauea, 4,090; Puu Kukui, 5,788; Puu Konahuanui, 3,150; Diamond Head, 760; Punchbowl, 500; Waialeale, 5,148.

³ Nihoa, Necker Island, French Frigate Shoals, Gardner Pinnacles, Maro Reef, Laysan Island, Lisianski Island, Pearl and Hermes Atoll, and Kure Atoll, Miller's Peak is on Nihoa.

Source: Hawaii Department of Planning and Economic Development, *Geographic Statistics of Hawaii* (Statistical Report 67)

Table 2. LAND OWNERSHIP OR TENURE, FOR HAWAII: AS OF JUNE 30, 1968
(Acreage owned by Island)

	Federal Govt. ¹	Hawaii State ¹ Govt.	Major Private Landowners	Other ³	Total Land Area of Island
Island of Hawaii	305,475	1,031,630	1,052,583	183,753	2,573,440
Island of Kahoolawe	28,800				28,800
Island of Kauai	2,306	151,832	176,953	21,548	352,640
Island of Lanai	8		88,792	1,440	90,240
Island of Maui	26,478	204,376	221,223	13,843	465,920
Island of Molokai	78	51,685	110,444	3,563	165,760
Island of Niihau			46,065	15	46,080
Island of Oahu	60,210	56,672	217,851	46,057	380,800
Other ⁴	1,920				1,920
TOTAL	425,275	1,496,195	1,913,911	270,219	4,105,600

¹ Includes fee simple and ceded land.

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

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

⁴ Includes Kure Isl., Pell Isl., Laysan Isl., Gardner Isl., French Frigate Shoals, Necker Isl., Bird Isl., and Lehua. The federal government reports an ownership of 1,932 acres through the island chain whereas the Department of Land and Natural Resources reports that the area of the island chain is 1,920 acres.

Table 3. STATE-OWNED LAND – BY COUNTIES – AS OF JUNE 30, 1966

Political Unit	Total Land Area (acres)	State-Owned Lands (acres)	% State-Owned
STATE	4,105,600	1,590,532	38.7
County			
Honolulu	382,720	56,672	14.8
Maui and Kalawao	750,720	255,800	34.1
Hawaii	2,573,440	1,126,121	43.8
Kauai	398,720	151,939	39.9

Table 4. OWNERSHIP OF AREA IN ACRES WITHIN CONSERVATION DISTRICT BY COUNTY, AUGUST 23, 1964

Ownership	State Total	C&C of Honolulu	Maui County	Hawaii County	Kauai County
All Agencies	1,841,405	149,037	304,413	1,217,689	170,266
Private	613,871	97,215	148,932	303,936	63,788
State	915,466	34,909	111,250	671,180	98,127
Federal	262,433	9,305	37,288	213,585	2,255
Hawaiian Homes	42,841	836	6,936	28,968	6,083
Counties	6,794	6,772	7	2	13

Table 5. OWNERSHIP OF AREA IN ACRES WITHIN "GENERAL USE" SUBZONE BY COUNTY, AUGUST 23, 1964

Ownership	State Total	C&C of Honolulu	Maui County	Hawaii County	Kauai County
All Agencies	1,722,993	133,600	256,150	1,166,744	166,499
Private	589,607	94,378	133,599	300,354	61,276
State	835,558	27,507	78,320	632,859	96,873
Federal	259,250	6,122	37,288	213,585	2,254
Hawaiian Homes	33,799	836	6,936	19,944	6,083
Counties	4,779	4,757	7	2	13

Table 6. OWNERSHIP OF AREA IN ACRES WITHIN "RESTRICTED WATERSHED" SUBZONE BY COUNTY, AUGUST 23, 1964

Ownership	State Total	C&C of Honolulu	Maui County	Hawaii County	Kauai County
All Agencies	118,412	15,437	48,263	50,945	3,767
Private	24,264	2,836	15,334	3,582	2,512
State	79,908	7,402	32,929	38,322	1,255
Federal	3,183	3,183	—	—	—
Hawaiian Homes	9,041	—	—	9,041	—
Counties	2,016	2,016	—	—	—

PUBLIC TRUST FUND CEDED LAND PROCEEDS Land Management Program

	1967-68	1968-69
Receipts:		
1720 Rentals, Leased Public Lands	\$1,889,129	\$2,309,171
1721 Rentals, Unleased Public Lands	423,790	427,948
1722 Sale of Wood, Rock and Sand	78,108	232,573
1723 License, Use of Government Water	297,676	308,546
1724 License, Use of Government Land for Specific Purposes	19,969	44,783
TOTAL RECEIPTS	\$2,708,672	\$3,323,020
Expenditures:		
8221 Collections on Hawaiian Homes Land and other transfers	\$ 585,598	\$ 528,298
Net Rental Receipts – (To General Fund)	2,123,074	2,794,722
TOTAL TRANSFERS	\$2,708,672	\$3,323,020
Hawaiian Home Lands Receipts:		
Loan Fund (Act 4, SLH 1965)	\$ 347,523	\$ 313,932
Administration Fund	206,126	126,109
Development Fund	31,949	88,257
TOTAL	\$ 585,598	\$ 528,298

GENERAL FUND REVENUES Land Mangement Program

Title of Receipt and Legal Reference	Fee Schedule	1967-68	1968-69
Conveyance Tax		\$ 2,994	\$ 5,088
Fees, Copies of Public Documents	\$ 1.00 page	566	212
Fees, Issuance of Land Patents, etc.	20.00 each	6,755	6,247
Fees, Consents to Transfer, etc.		880	1,405
Fees, Surveying of Public Lands	25.00 each	2,750	3,245
Fees, Appraisals		—	287
Sale of Publications		26	14
Sale of Improvements on Expired or Cancelled Leases		395	—
Cost of Managing Property Acquired for Highway Purposes		3,830	4,329
Indemnity for Damages to Insured Property		2,000	—
Sale of Wood, Rock and Sand		15,938	3,277
Interest on Delinquent Accounts		—	9
Witness or Juror Fees		—	—
Sales of Equipment or Other Property		—	35
Refunds or Prior Year's Expenditures		84	130
TOTAL GENERAL FUND REVENUES		\$36,218	\$24,278

SPECIAL LAND AND DEVELOPMENT FUND Land Management Program

	1967-68	1968-69
Balance at the beginning:	\$3,324,681	\$3,273,622
Receipts:		
Interest on Deferred Payments	\$ 55,722	\$ 51,633
Sales of Public Lands	727,777	707,141
Reimbursable Expenditures	21,332	10,140
Reimbursement of Improvements to Public Lands	129,702	71,459
Sub-totals	\$ 944,533	\$ 840,373
TOTAL RECEIPTS	\$4,269,214	\$4,113,995
Expenditures:		
Land and Interest in Land	\$ 121,855	\$ —
Structures and Permanent Improvements to Land	175,475	532,767
Transfers:		
Department of Social Services	—	—
Bond Fund Repayments	—	299,649
Director of Finance—Administrative Cost	479,433	162,336
TOTAL EXPENDITURES	\$ 995,592	\$ 594,752
Balance at end	\$3,273,622	\$3,519,243

SUMMARY OF DISPOSITIONS, ALL ISLANDS—From July 1, 1968 to June 30, 1969

Counties	Executive Orders	Sales in Fee*	General Leases**	Revocable Permits**	Grand Total
HAWAII: (1st Land District)					
Number	16	19	15	23	73
Area (Acres)	243	7	1,366	1,234	2,850
Price* or Annual Rental**	\$ —	\$147,234	\$ 45,036	\$ 7,164	\$ 199,434
MAUI: (2nd Land District)					
Number	18	4	12	26	60
Area (Acres)	1,939	1	4,025	74	6,039
Price* or Annual Rental**	\$ —	\$ 59,725	\$ 81,885	\$ 11,328	\$ 152,938
OAHU: (3rd Land District)					
Number	30	26	6	84	146
Area (Acres)	267	5	10	591	873
Price* or Annual Rental**	\$ —	\$395,765	\$ 948	\$310,140	\$ 706,853
KAUAI: (4th Land District)					
Number	10	15	13	15	53
Area (Acres)	94	3	33,761	34	33,892
Price* or Annual Rental**	\$ —	\$113,912	\$600,069	\$ 12,216	\$ 726,197
GRAND TOTALS:					
Number	74	64	46	148	332
Area (Acres)	2,543	16	39,162	1,933	44,459
Price* or Annual Rental**	\$ —	\$716,636	\$727,938	\$340,848	\$1,785,422

GENERAL LEASES ISSUED—ALL ISLANDS
July 1, 1968 to June 30, 1969

Use	Area (Acres)	Annual Rental	No.
Agriculture, General . .	103.160	\$ 17,133.00	9
Business	1.120	6,700.00	1
Cane	31,527.830	485,300.00	3
County . . . . .	.230	12.00	1
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	16.388	21,825.00	4
Pasture	7,486.537	11,392.00	12
Pineapple	—	—	—
Recreational	—	—	—
Residential	11.310	170,926.00	4
Rights of Way	2.499	12,885.00	12
Waste	—	(¹)	—
Water Licenses, etc. . .	—	—	—
TOTALS	39,150.074	\$726,167.00	46

(¹) Included in sugar cane leases.

GENERAL LEASES ISSUED—OAHU
July 1, 1968 to June 30, 1969

Use	Area (Acres)	Annual Rental	No.
Agriculture, General . .	—	—	—
Business	—	—	—
Cane	—	—	—
County . . . . .	.230	\$ 12.00	1
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	8.000	—	1
Pasture	—	—	—
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of Way	1.840	936.00	4
Waste	—	(¹)	—
Water Licenses, etc. . .	—	—	—
TOTALS	10.070	\$948.00	6

(¹) Included in sugar cane leases.

GENERAL LEASES ISSUED—HAWAII
July 1, 1968 to June 30, 1969

Use	Area (Acres)	Annual Rental	No.
Agriculture, General . .	91.810	\$15,213.00	5
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial . . . . .	.470	16,000.00	1
Pasture	1,273.290	2,656.00	3
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of Way . . . . .	.559	11,167.00	6
Waste	—	(¹)	—
Water Licenses, etc. . .	—	—	—
TOTALS	1,366.129	\$45,036.00	15

(¹) Included in sugar cane leases.

GENERAL LEASES ISSUED—KAUAI
July 1, 1968 to June 30, 1969

Use	Area (Acres)	Annual Rental	No.
Agriculture, General . .	9.830	\$ —	1
Business	—	—	—
Cane	27,833.570	413,800.00	1
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	7.918	5,825.00	2
Pasture	5,898.487	8,736.00	3
Pineapple	—	—	—
Recreational	—	—	—
Residential	11.310	170,926.00	4
Rights of Way . . . . .	.100	782.00	2
Waste	—	(¹)	—
Water Licenses, etc. . .	—	—	—
TOTALS	33,761.215	\$600,069.00	13

(¹) Included in sugar cane leases.

GENERAL LEASES ISSUED—MAUI
July 1, 1968 to June 30, 1969

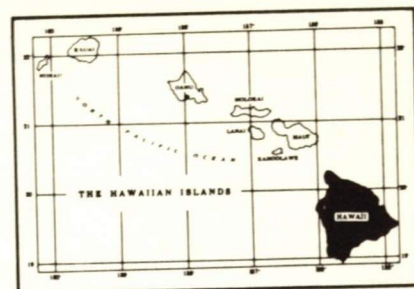
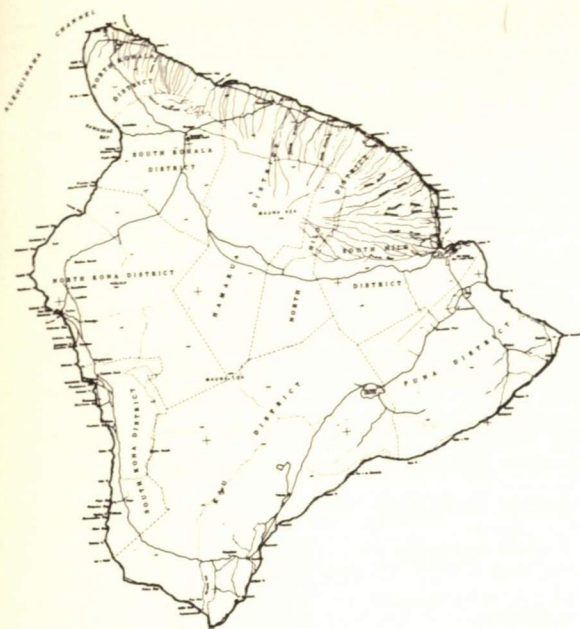
Use	Area (Acres)	Annual Rental	No.
Agriculture, General . .	15.210	\$ 1,920.00	3
Business	1.120	6,700.00	1
Cane	3,694.270	71,500.00	2
County	—	—	—
Eleemosynary	—	—	—
Federal	—	—	—
Fishpond	—	—	—
Industrial	—	—	—
Pasture	314.760	1,765.00	6
Pineapple	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of Way	—	—	—
Waste	—	(¹)	—
Water Licenses, etc. . .	—	—	—
TOTALS	4,025.360	\$81,885.00	12

(¹) Included in sugar cane leases.

EXISTING GENERAL LEASES AND LICENSES CLASSIFICATION SUMMARY, TOTAL ALL ISLANDS
In Effect June 30, 1969

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	4,248.754	\$ 86,726.89	175
Business	156.910	301,008.96	70
Cane	64,750.064	1,054,678.44	36
County	79.665	1.00	19
Eleemosynary	482.799	17,786.06	19
Federal	43,166.732	600.00	22
Fishpond	51.470	766.40	2
Industrial	785.667	332,853.62	76
Pasture	218,861.259	499,948.87	191
Pineapple	665.025	19,469.08	3
Recreational	342.689	3,305.00	8
Residential	168.814	207,442.50	147
Rights of Way	360.470	30,055.67	103
Waste	17,166.570	(¹)123.50	12
Water Licenses, etc.	9,704.180	123,472.00	13
TOTALS	360,991.068	\$2,678,237.99	896

(¹) Included in sugar cane leases.



FIRST LAND DISTRICT Island of Hawaii

GENERAL LEASES—SUMMARY, FIRST LAND DISTRICT

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture, General	2,070.046	\$ 24,067.20	34
Business	55.578	150,516.96	39
Cane	10,746.751	85,154.94	21
County	60.389	—	12
Eleemosynary	303.792	4,097.06	6
Federal	24,172.876	—	5
Fishpond	50.870	629.40	1
Industrial	624.425	61,104.62	48
Pasture	165,747.813	425,283.16	91
Pineapple	—	—	—
Recreational	241.700	1,050.00	2
Residential	7.437	24,202.50	22
Rights of Way	111.964	18,676.12	30
Waste	752.156	123.50	6
Water Licenses, etc.	6,198.050	11,032.00	5
TOTALS	217,143.847	\$842,937.46	322

(1) Included in sugar cane leases.

cane — Sugar cane
agr — Agriculture, General
bus — Business
cty — County
ele — Eleemosynary

fed — Federal Government
fpd — Fishpond
ind — Industrial
past — Pasture
pine — Pineapple

rec — Recreational
res — Residential
r/w — Rights of way
waste — Waste Land
wtr — Water Licenses, reservoirs, etc.

GENERAL LEASES AND LICENSES — FIRST LAND DISTRICT, JUNE 30, 1969

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
2480	Finance Investment Co., Ltd.	8/25/36- 3/14/2015	Lot 5, Ocean View Lots, South Hilo, Hawaii	.72	bus	\$ 4,234.00
2481	Finance Investment Co., Ltd.	8/25/36- 3/14/2015	Lot 8, Ocean View Lots, South Hilo, Hawaii	.75	bus	4,764.00
2610	Finance Investment Co., Ltd.	6/ 1/39- 3/14/2015	Lot 7, Ocean View Lots, South Hilo, Hawaii	2.95	bus	26,370.00
S-2899	James & Miulan Y. Kealoha	12/29/41- 3/14/2015	Lot 17, Waiakea Warehouse Lots, Waiakea, South Hilo, Hawaii	2.16	bus	9,578.00
S-2908	Matsuno F. Nakagawa	11/ 1/42- 3/31/82	Waiakea, South Hilo, Hawaii	50.87	fpd	629.40
L-2964	Edward C. Hustace	3/15/41-(revokable)	Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kalaoa-Ooma Mauka Tract, Makaula-Haleohiu Tract, North Kona, Hawaii		r/w	12.00
3029	Nalei Incorporated	9/13/45- 8/14/2015	Lots 12 & 12-A, Ocean View Lots, South Hilo, Hawaii	1.19	res	8,112.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3155	Kenneth K. Bell & Clara L. Bell	3/15/47- 3/14/2015	Lot 22, Ocean View Lots, 2nd Series, Waiakea, S. Hilo, Hawaii	.16	res	\$ 155.00
3156	Tungert L. & Harvey C. Chong	11/18/46- 3/14/2015	Lot 23, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.17	res	186.00
3157	Robert C. McKeen	11/18/46- 3/14/2015	Lot 24, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.17	res	366.00
3158	Hideo Funada	11/18/46- 3/14/2015	Lot 25, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.17	res	306.00
3160	Hannah Akamu Baker c/o Marguerite B. Frazier	11/18/46- 3/14/2015	Lot 27, Ocean View Lots, Waiakea, South Hilo, Hawaii	.17	res	141.00
3161	Hannah Akamu Baker c/o Marguerite B. Frazier	11/18/46- 3/14/2015	Lot 28, Ocean View Lots, Waiakea, South Hilo, Hawaii	.18	res	299.00
3162	Clarence T. & Kitome Ohama	11/18/46- 3/14/2015	Lot 29, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.18	res	163.00
3163	Kaiva & Josephine Martinson Tuiaosopo	11/18/46- 3/14/2015	Lot 30, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.18	res	165.00
3164	Electrical Workers	11/18/46- 3/14/2015	Lot 31, Ocean View Lots, 2nd Series Waiakea, South Hilo, Hawaii	.18	res	167.00
3165	Lily B.L.Y. Wong	11/18/46- 3/14/2015	Lot 32, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.18	res	169.00
3166	John W. & Adele M. Jensen	5/ 7/65- 3/14/2015	Lot 33, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.19	res	170.00
3167	William J. & Anna Mehau Payne	9/10/47- 3/14/2015	Lot 34, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.19	res	172.50
3168	Gaspro, Limited	9/10/47- 3/14/2015	Lot 35, Ocean View Lots, 2nd Series Waiakea, South Hilo, Hawaii	.19	res	185.00
3169	Ernest M. & Adelaide Cabrinha	9/10/47- 3/14/2015	Lot 36, Ocean View Lots, 2nd Series Waiakea, South Hilo, Hawaii	.19	res	174.00
3170	Ernest M. & Adelaide Cabrinha	9/10/47- 3/14/2015	Lot 37, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.185	res	180.00
3202	Frank Ferreira	5/ 1/47-11/ 1/2017	Lots 134 and 135, Lehia Park Res. Lots, South Hilo, Hawaii	.88	res	50.00
3247	Hilo Electric Light Co., Ltd.	1/16/48- 1/15/69	Olaa, Puna, and Waiakea, Hawaii	11.451	r/w	100.00
3249	Santa Yoza	1/16/48- 1/15/69	Piha, North Hilo, Hawaii	2,723	agr	100.00
3252	Est. of L.L. McCandless	1/16/48- 1/15/69	Waiea, South Kona, Hawaii	1,258.0	past	150.00
3253	Kiyoshi Soga	6/15/48- 6/14/69	Kaniahiku Government Remainder, Puna, Hawaii	18.20	agr	30.00
3254	Peter N. Pakele, Jr.	6/15/48- 6/14/69	Lot 5, Blk. 48, Waiakea House Lots, South Hilo, Hawaii	.61	ind	125.00
3255	Robert M., Emma M., Ronald L. & Donald K. Yamada & Maile E. Chong, dba Yamada Transfer	6/15/48- 6/14/69	Lots 9 to 16, Blk. 40, Waiakea House Lots, South Hilo, Hawaii	3.67	ind	1,000.00
3256	Ellsworth F. Seto	6/15/48- 6/14/69	Lots 3, 4, 6, 7, Blk. 48, Waiakea House Lots, South Hilo, Hawaii	1.79	ind	500.00
3259	Pepeekeo Sugar Co.	6/15/48- 6/14/69	Abandoned r/r r/w bounded by Lots 10, 11, 18 & 19, Kulaimano Homesteads, South Hilo, Hawaii	3.05	r/w	30.00
3265	William J. Kimi, Jr.	6/ 1/49- 3/14/2015	Lot 2, Ocean View Lots, Waiakea, South Hilo, Hawaii	.586	bus	2,981.00
3266	William J. Kimi, Jr.	8/10/49- 3/14/2015	Lot 3, Ocean View Lots, Waiakea, South Hilo, Hawaii	.531	bus	2,716.00
3267	William J. Kimi, Jr.	6/ 1/49- 3/14/2015	Lot 4, Ocean View Lots, Waiakea, South Hilo, Hawaii	.50	res	3,252.00
3268	Finance Investment Co., Ltd.	6/ 1/49- 3/14/2015	Lots 5 & 6, Ocean View Lots, Waiakea, South Hilo, Hawaii	.749	bus	4,894.00
3269	Mand Associates, Inc.	6/ 1/49- 3/14/2015	Lot 10, Ocean View Lots, Waiakea, South Hilo, Hawaii	.92	res	9,180.00
3273	Honokaa Sugar Co.	3/ 3/49- 3/ 2/70	Honokaia Mauka Tract, Hamakua, Hawaii	243.47	cane	1,142.50
3330	Mana Transportation Co., Ltd.	11/12/49-11/11/70	Lots 1 & 3, Blk. 40, Waiakea House Lots, 1st Series, South Hilo, Hawaii	.92	bus	250.00
3332	Julia Toledo	11/12/49-11/11/70	Parcels 4 & 7, T.M.K. 3-4-01, 3rd Division, Waikamalo-Maulua Homesteads, North Hilo, Hawaii	38.84	past	15.00
3333	William K. Kamau, Sr.	11/10/49-11/11/70	Lots 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 & 20A, Waiakea, South Hilo, Hawaii	131.08	past	781.48
3334	Norman Brand	11/12/49-11/11/70	Gov's remnant at Ahualoa, Hamakua, Hawaii	4.367	past	11.42
3335	Dillingham Investment Corp.	11/12/49-11/11/70	Gov't. Land of Honomalino & Okoe, South Kona, Hawaii	1,458.14	past	326.00
3336	George Henry & Richard Adam Ignacio	11/12/49-11/11/70	Parcels 10 & 12, T.M.K. 3-4-01, 3rd Division, Waikamalo-Maulua Homesteads, North Hilo, Hawaii	59.24	past	97.00
3338	Hilo Electric Light Co., Ltd.	11/12/49-11/11/70	Portion of Gov't. land situate west Kinoole St., Waiakea, S. Hilo, Hawaii	.01	bus	20.00
3339	M. C. Child	11/12/49-11/11/70	Lot 2, Blk. 39, Waiakea House Lots, South Hilo, Hawaii	.45	bus	120.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3340	Norman N. Inaba	11/12/49-11/11/70	Kaulanamauna Kipuka, Meauka Kipuka, Kau, South Kona, Hawaii	1,091.0	past	\$ 450.00
L-3341	Hawaiian Telephone Company	11/12/49-11/11/70	Piihonua, Humuula, Kaohe III & V, Waiakea-Uka, Maunakea & Kaumana, Hilo, Hawaii	40.00	r/w	20.00
3343	John Rapoza, Sr.	4/10/50- 4/ 9/71	Waiakea, South Hilo, Hawaii	259.49	past	135.00
3344	Martin J. Branco	4/10/50- 4/ 9/71	Waiakea, South Hilo, Hawaii	319.6	past	80.00
3345	Alfred R. Menino	4/10/50- 4/ 9/71	Lot 907, Waiakea Homesteads, Waiakea, South Hilo, Hawaii	40.0	past	210.00
3347	Hilo Electric Light Co., Ltd.	4/10/50- 4/ 9/71	Portion of Lot 615-B, Waiakea Homesteads, Waiakea, South Hilo, Hawaii	.056	bus	12.00
L-3350	C. Brewer & Co., Ltd.	7/ 1/50- 6/30/71	Pahala, Kau, Hawaii	322.44	wtr	1,800.00
L-3351	C. Brewer & Co., Ltd.	7/ 1/50- 6/30/71	Naalehu, Kau, Hawaii		wtr	1,200.00
L-3353	Richard Smart	1/ 1/52-12/31/72	Honokaia, Part 1, Hamakua, Hawaii	738.0	past	7,570.00
3354	Honokaa Sugar Co.	1/ 1/52-12/31/72	Gov't. Remainders of Papaki, Koloaha Au 1st, Hamakua, Hawaii	31.69	cane	779.33
			Kaohe, Kaohe III Sec., A-1, Hamakua, Hawaii	17.66	past	125.25
3355	Richard Smart	1/ 1/52-12/31/72	Por. Land of Haleaha & Puukapu, South Kohala, Hawaii	1,202.0	past	7,000.00
3356	Richard Smart	1/ 1/52-12/31/72	Por. HHL of Pauahi, South Kohala, Hawaii	416.0	past	5,000.00
3357	Richard Smart	1/ 1/52-12/31/72	Waimea, South Kohala, Hawaii	555.45	past	7,000.00
3358	Kahua Ranch, Ltd.	1/ 1/52-12/31/72	Kaohe-VI, Hamakua, Hawaii	9,935.57	past	40,500.00
3359	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72		3,110.0	past	12,600.00
3360	C. Brewer & Co.	10/10/62-12/31/72	Parcel 2, Kaalaala Makai, Kau, Hawaii	1,777.00	past	400.00
3361	Richard Smart	1/ 1/52-12/31/72	Part 3, Por. of Gov't. Land of Hono-Kaia, Hamakua, Hawaii	508.0	past	7,100.00
3362	Anna Ranch	1/ 1/52-12/31/72	Puukapu Pasture Lot No.9, South Kohala, Hawaii	333.81	past	3,005.88
3363	C. Brewer & Co., Ltd.	1/ 1/52-12/31/72	Kamaoa-Puueo Tract, Kau, Hawaii	10,289.28	past	35,038.72
3364	Richard Smart	1/ 1/52-12/31/72	Gov't. Crown Land of Honokaia, Hamakua, Hawaii	739.0	past	8,800.00
3366	Richard Smart	1/ 1/52-12/31/72	Puu Kawaiwai, Panoluukia, Kapia, Waimea, South Kohala, Hawaii	2,978.03	past	16,200.00
3367	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe 11, Hamakua, Hawaii	7,932.36	past	40,700.00
3369	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Hoea & Kaao, Hamakua, Hawaii	1,902.0	past	16,000.00
3370	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Portion of Gov't. Remainder of Niupea, Hamakua, Hawaii	66.0	past	40.00
3371	Richard Smart	1/ 1/52-12/31/72	Kalopa, Hamakua, Hawaii	6,080.0	past	42,200.00
3373	Richard Smart	1/ 1/52-12/31/72	Kipi-Kehene 1st, North Kohala, Hawaii	107.0	past	300.00
3374	Richard Smart	1/ 1/52-12/31/72	Por. Puukapu Pasture Lot No. 10, South Kohala, Hawaii	2,376.32	past	10,500.00
3375	Richard Smart	1/ 1/52-12/31/72	Honokaa, Part 4, Hamakua, Hawaii	508.0	past	8,600.00
3376	C. Brewer & Co., Ltd.	1/ 1/52-12/31/72	Por. Gov't. Land of Kapapala, Kau, Hawaii	36,873.02	past	
3377	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Parcel 1, Kaohe II, Hamakua, Hawaii	675.32	cane	11,818.10
3378	Richard Smart	1/ 1/52-12/31/72		7,780.0	past	42,000.00
3379	Richard Smart	1/ 1/52-12/31/72	Portion Land of Momoualoo, Waimea, South Kohala, Hawaii	391.0	past	7,800.00
			Kaoniki, Kauniho, Lalamilo, Puukapu, Waimea, South Kohala, Hawaii	332.307	past	7,581.50
3380	Richard Smart	1/ 1/52-12/31/72	Honokaia, Part 5, Hamakua, Hawaii	768.477	past	12,200.00
3381	Richard Smart	1/ 1/52-12/31/72	Lalamilo, Waimea, South Kohala, Hawaii	1.961	past	45.32
3382	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Por. Gov't. Remainder Manowaialee, Hamakua, Hawaii	162.0	past	1,000.00
3412	Sure Save Super Market, Limited	4/ 7/52- 4/ 6/73	Kamehameha Avenue & Kalanikoa Ave., Waiakea, South Hilo, Hawaii	.80	bus	1,062.00
3414	Robert M. & Emma L. Yamada	4/ 7/52- 4/ 6/73	Lots 10, 11-A & 11-B, Kaimu-Makena Homesteads, Puna, Hawaii	177.55	agr	50.00
3419	Hawaiian Fern Wood, Ltd.	6/ 1/52- 5/31/73	Waiakea, South Hilo, Hawaii	1.24	ind	1,500.00
3420	Richard & Juliette S. Furtado	6/ 1/52- 5/31/73	Kilauea & Piopio St., South Hilo, Hawaii	.24	bus	125.00
3422	Robert M. Yamada, Emma M., Ronald L., Donald K. Yamada & Maile E. Chong, dba Yamada Transfer	6/ 1/52- 6/13/69	N.W. Corner of Lanikaula & Railroad Ave., Waiakea, South Hilo, Hawaii	1.15	ind	250.00
3424	H. Harada Contractor, Inc.	6/ 1/52- 5/31/73	Lot 6 & 8, Blk. 40, Waiakea House Lots, 1st Series, South Hilo, Hawaii	1.02	ind	250.00
3425	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	6/ 1/52- 5/31/73	Lot 14, Blk. 48, Waiakea House Lots Extension at Waiakea, South Hilo, Hawaii	.60	ind	300.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3426	Chieno, Masaru & Chitoshi Doi	6/ 1/52- 5/30/73	Kawaihae 1, Kawaihae Village, South Kohala, Hawaii	.572	res	\$ 200.00
3427	Hilo Metals Co., Ltd.	4/ 7/52- 4/ 6/73	Lots 2 & 4, Blk. 40, Waiakea House Lots, 1st Series, South Hilo (Waiakea), Hawaii	.70	ind	250.00
3428	Maurice & Molly D. Zimring	6/ 1/52- 5/30/73	Lot 11, Keaukaha Seaside Lots Waiakea, South Hilo, Hawaii	.27	res	230.00
3431	Richard Smart	10/ 1/52- 9/30/73	Kaohē III, Section B. Hamakua Hawaii	1,762.936	past	600.00
3432	Palani Ranch Co., Inc.	10/ 1/52- 9/30/73	Lots 1 to 20, Kealakehe Homesteads, 2nd Series, N. Kona, Hawaii	1,536.07	past	1,726.02
3433	Dillingham Investment Corp.	4/ 8/53- 4/ 7/74	Honomalino-Hoopuloa Mauka Tract, South Kona, Hawaii	2,717.924	past	1,000.00
3434	Richard Smart	12/20/52-12/19/73	Keanuiomano, Puuiki & Waikoloa Iki, Waimea, South Kohala, Hawaii	437.0	past	2,200.00
3435	Honomalino Agricultural Co., Inc.	7/ 3/52- 7/ 2/73	Kaulanamauna, South Kona Hawaii	2,095.54	past	425.00
3436	Richard Smart	10/ 1/52- 9/30/73	Kaohē III, Section A-2, Hamakua, Hawaii	101.40	past	85.00
L-3437	Hawaiian Trust Co., Ltd.	7/ 3/52- 7/ 2/73	Parcels 1 & 2, of Gov't. Land of Lalamilo, South Kohala, Hawaii	.08	r/w	12.00
3438	Richard Smart	7/ 1/53- 6/30/74	Parcel 1, Por. of Humuula (Keanakolu Paddocks), North Hilo, Hawaii	5,290.00	past	16,000.00
3439	Richard Smart	7/ 1/53- 6/30/74	Parcel 2, Por. of Humuula (Hopuwai Paddock), North Hilo, Hawaii	7,512.8	past	14,000.00
3440	Richard Smart	7/ 1/53- 6/30/74	Parcel 3, Por. of Humuula, Kaohē (Kole & Laumaia Paddocks), North Hilo, Hawaii	20,377.317	past	18,000.00
3441	Richard H. Jose	7/ 1/53- 6/30/74	Laupahoehoe Mauka, Laupahoehoe, North Hilo, Hawaii	110.0	past	915.00
3442	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Parcels A & B and Ninole Gov't. Fish Pond, Kau, Hawaii	332.56	past	520.00
3443	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Parcels 1 & 2, Kaunamano Homesteads, Kau, Hawaii	477.16	past	930.00
3444	C. Brewer & Co., Ltd.	7/ 1/53- 6/30/74	Wailau Gov't. Remainder Kau, Hawaii	345.80	past	200.00
3445	Laupahoehoe Sugar Company	12/29/52-12/28/73	Laupahoehoe, North Hilo, Hawaii	11.79	past	205.00
3446	Joaquin Ramos	7/ 1/53- 6/30/74	Lots 92, 93 & 94, Olaa New Tract Lots, Olaa, Puna, Hawaii	150.00	past	50.00
3449	C. Brewer & Co., Ltd.	12/29/52-12/28/73	Parts 1 & 2, Por. of Moaula-Kopu-Makaka, Makai, Kau, Hawaii	2,376.85	past	1,025.00
L-3453	Laupahoehoe Sugar Company	10/ 1/53- 9/30/74	Papaaloa, Manowaiopae & Kihalani Homestead Tracts & por. of Laupahoehoe, North Hilo, Hawaii		r/w	12.00
L-3454	Hilo Electric Light Co., Ltd.	10/ 1/53- 9/30/74	Honokaia, Kapolena, Kamoku & Puukapu, Waimea, South Kohala, Hawaii		r/w	100.00
L-3455	Kohala Sugar Company	10/ 1/53- 9/30/74	Kahei Mauka, Section A, Kahei Makai, Section B, Hualua Middle, Section B; Hualua Makai, Section B & Awalua Haena, North Kohala, Hawaii	24.52	r/w	72.12
L-3456	Hilo Electric Light Co., Ltd.	10/ 1/53- 9/30/74	Waiakea, South Hilo, Hawaii	.085	r/w	12.00
L-3457	Standard Oil of California	10/ 1/53- 9/30/74	Waiakea-Kai, South Hilo, Hawaii	.21	r/w	12.00
3472	Honokaa Sugar Company	4/ 9/54- 4/ 8/75	Keaa-Mauka Tract, Hamakua, Hawaii	53.70	past	389.20
3473	Joseph L. Ventura	1/ 1/55-12/31/75	Parcel A, Piihonua Pasture Land, South Hilo, Hawaii	195.05	past	200.00
3475	George R. & Clifford A. Freitas	1/ 1/55-12/31/75	Por. of Lot 22-D-1 of Pohakulua Tract, North Kohala, Hawaii	83.21	past	1,400.00
3476	Tanji Yasukochi	5/ 1/55- 4/30/70	Kaniahiku, Puna, Hawaii	2.21	agr	76.00
3477	Sukejiro Sugimoto	6/ 1/55- 5/31/70	Kaniahiku, Puna, Hawaii	3.64	agr	76.00
3479	Hilo Metals Co., Ltd.	6/ 1/54- 5/31/75	Waiakea, South Hilo, Hawaii	1.42	ind	350.00
3480	Laupahoehoe Sugar Co.	4/ 9/54- 4/ 8/75	Por. of Pali & Gulch, Papaaloa Homesteads, North Hilo, Hawaii	6.00	wtr	31.00
3481	The Flintkote Company	6/ 1/54- 5/31/75	Waiakea Fish Pond, Waiakea, South Hilo, Hawaii	24.61	wtr	1.00
3482	Clarence J. Branco	4/ 9/54- 4/ 8/75	Lots 812-A, 912-A & 913, Waiakea Homesteads, 2nd Series, S. Hilo, Hawaii	92.681	past	1,194.10
3483	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Company	6/ 1/54- 5/31/75	Lot 15, Corner of Kamehameha Ave. & Kalanikoa St., Waiakea, South Hilo, Hawaii	.60	ind	300.00
3506	Charles L. Murray	11/10/54-11/ 9/75	Lot A, Corner of Kamehameha Ave., Kalanikoa St., Waiakea, South Hilo, Hawaii	.47	bus	838.00
3507	Anthony M. Phillips, dba Phillips U-Drive	11/10/54-11/ 9/75	Lot B, Kamehameha Ave. between Kalanikoa & Kanoielehua St., Waiakea, South Hilo, Hawaii	.34	bus	400.00

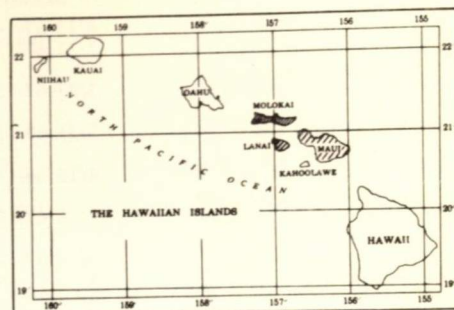
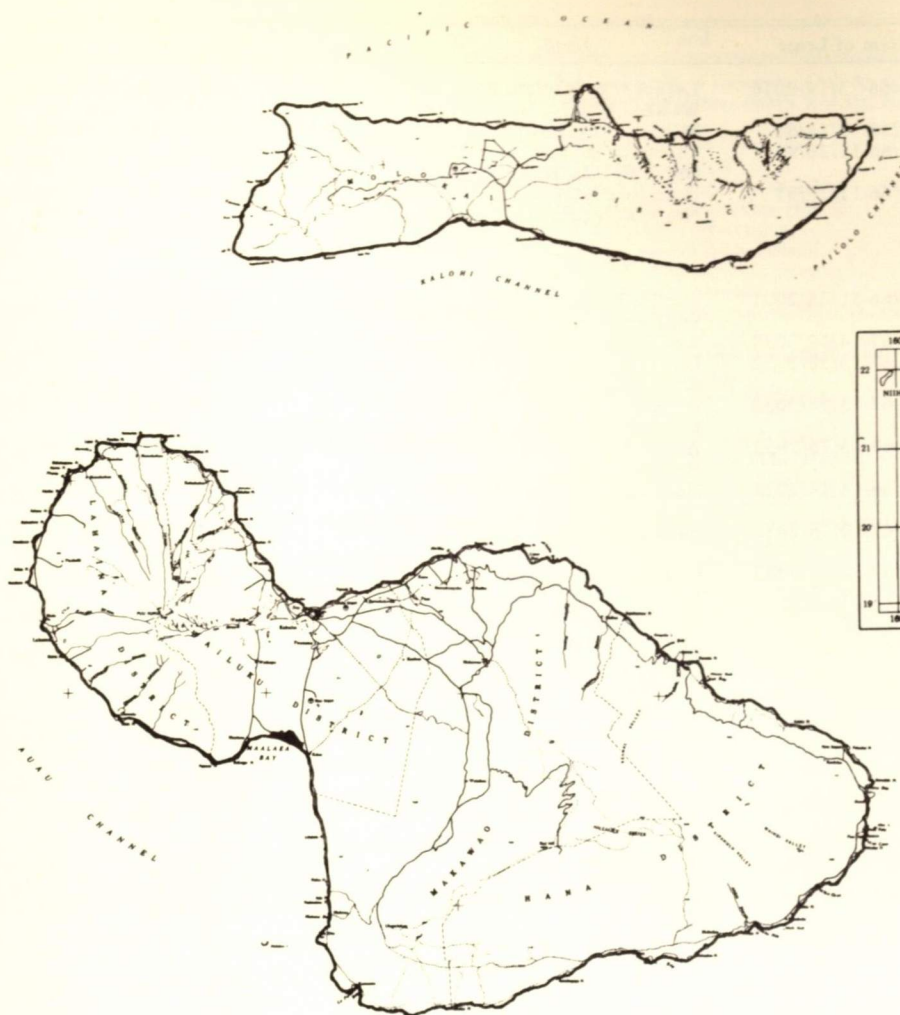
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3508	Anna L. Perry-Fiske	11/10/54-11/ 9/75	Lot 11, Lalamilo House Lots, 3rd Series, Lalamilo, S. Kohala, Hawaii	.28	past	\$ 12.00
3509	William K. Thompson	11/10/54-11/ 9/75	Por. of Pahoehe 1-4, Maunaoui, Haleili, Haukalua 1-2, Alae 1-2, Pahoehe 1, South Kona, Hawaii	1,067.50	past	150.00
3511	Hutchinson Sugar Co., Ltd.	1/ 1/55-12/31/69	Kaunamano Homesteads & Section 2, K, Kawala-Kaunamano Tract, Kau Hawaii	454.10 662.50 4.60 11.00	cane past r/w waste	2,134.27 1,056.90 8.40 1.10
L-3521	Shell Oil Co., Union Oil Co. of Calif., & Phillips Petroleum Co.	6/ 7/55- 6/ 6/76	Waiakea-Kai, Hilo, Hawaii	.12	r/w	12.00
L-3528	Volcanite, Limited	11/ 8/55-11/ 7/76	Puuwaawaa Quarry Hill Puuwaawaa, Hawaii	506.126	ind	1,000.00
3529	Sure Save Super Market, Ltd.	11/ 8/55-11/ 7/76	Waiakea, South Hilo, Hawaii	.59	bus	300.00
3530	Tsuruyo Oda	11/ 8/55-11/ 7/76	Waiakea, South Hilo, Hawaii	2.532	agr	120.00
3531	Toshiro Kataoka	11/ 8/55-11/ 7/70	Lot 63, Ponahawai, House Lots, Ponahawai, South Hilo, Hawaii	2.07	agr	24.00
3532	Benso Yamanouchi	11/ 8/55-11/ 7/76	Lot 12, Kaumana House Lots, Kaumana, South Hilo, Hawaii	.16	agr	12.00
3533	Honolulu Roofing Co., Ltd.	11/ 8/55-11/ 7/76	Lot 9, Keaukaha Seaside Lots, Waiakea, South Hilo, Hawaii	.42	res	180.00
3534	Thomas R. Araujo	11/ 8/55-11/ 7/76	Piihonua, South Hilo, Hawaii	2.67	past	24.00
3566	C. Brewer & Co., Ltd.	10/25/56-10/24/77	Por. Section "A", Kaalaala-Makakupu	67.55 .48 1,354.17 1,422.20	cane waste past	680.30 300.00 980.30
3567	E.L. Wung's Ranch, Ltd.	10/25/56-10/24/77	Lots 338 & 339, Olaa Reservation Lots, Olaa Puna, Hawaii	100.0	past	100.00
3569	Takayoshi M. Oda	10/25/56-10/24/77	Lots 2, 4, 6, 8, 10 & 12, Blk. 30, Waiakea House Lots, 1st Series Waiakea, South Hilo, Hawaii	3.10	agr	100.00
3570	Kohala Sugar Company	10/ 1/57- 9/30/72	Opihipau-Hukiaa, Kalei & Hualua, Hawaii	1,103.000 132.506 11.000 62.025 1,308.531	cane ele past waste	8,408.17 1,010.09 55.00 62.03 9,535.29
3571	Sure Save Super Market, Ltd.	8/11/56- 4/ 6/73	Gov't. Lot, Kamehameha Avenue Waiakea, South Hilo, Hawaii	.377	bus	650.00
3573	Hawaii Broadcasting System, Ltd.	11/ 8/58-11/ 7/79	Humuula, North Hilo, Hawaii Waiakea, South Hilo, Hawaii	2.038	bus	100.00
L-3574	Jas. W. Glover, Ltd.	8/11/59- 8/10/80	Lots 7 & 8, Waiakea Cane Lots, Waiakea, South Hilo, Hawaii	74.314	ind	2,594.62
3575	Honpa Hongwanji Mission of Hawaii	8/11/58- 8/10/79	Gov't. Land of Waiakea, South Hilo, Hawaii	38.58	past	139.86
L-3576	Union Oil Co., of California	9/10/58- 9/ 9/79	Gov't. Land of Waiakea, South Hilo, Hawaii	.12	r/w	120.00
3580	Koei & Katsue U. Ishimine	7/20/59- 7/19/69	Lot 34-A, Kaauhuhu Homestead, North Kohala, Hawaii	8.6	agr	150.00
3583	Robert M. Yamada	11/ 5/59-11/ 4/2004	Lots 4, 6, 7, 8, Blk. 39; Lots 5 & 7, Blk. 40, Waiakea Lots, Waiakea, South Hilo, Hawaii	2.57	bus	900.00
3584	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Gov't. Lands of Kamaee-Wailua & Puuoha, North Hilo, Hawaii	548.75	cane	3,010.37
3585	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Honomu-Hukua, Kaakepa & Kaupakuea, South Hilo, Hawaii	907.93	cane	6,975.10
3586	Mauna Kea Sugar Co., Inc.	2/ 1/60-12/31/89	Kawainui, South Hilo, Hawaii	191.00	cane	1,403.05
3587	Paauhau Sugar Co., Ltd.	2/ 1/60-12/31/89	Kaunamano, Hamakua, Hawaii	32.10	cane	210.00
3589	Dillingham Investment Corp.	8/15/60- 8/14/2000	Gov't. Lands of Puuanahulu & Puuwaawaa, North Kona, Hawaii	105,796.58	past	30,000.00
S-3590	Texaco, Inc.	3/ 1/60- 2/28/85	Por. Gov't. Land of Waiakea, South Hilo, Hawaii	2.66	ind	8,500.00
S-3591	Isamu Kanekuni & George T. Inouye, dba Veterans Produce Exchange	1/16/61- 1/15/2016	Lot 42, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.35	ind	560.00
S-3592	Hiroaki Kono, dba Hilo Transportation Co.	1/16/61- 1/15/2016	Lots 6 & 15, Waiakea Business & Industrial Lots, South Hilo, Hawaii	.78	ind	1,220.00
S-3593	Automotive Supply Center, Ltd.	1/16/61- 1/15/2016	Lot 38, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	576.00
S-3594	Broto's Body & Fender, James Broto Toledo	1/16/61- 1/15/2016	Lot 15, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.22	ind	400.00
S-3595	Harry's Refrigeration Service	1/16/61- 1/15/2016	Lot 18, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	440.00
S-3596	Isao Morimoto, dba Mori's Paint Shop	1/16/61- 1/15/2016	Lot 37, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	605.00
S-3597	William Aiona, Jr. dba Family Liquor Store	1/16/61- 1/15/2016	Lot C-1, Kamehameha Business Lots, Waiakea, South Hilo, Hawaii	.34	bus	1,110.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3598	Honolulu Roofing Co., Ltd.	1/16/61- 1/15/2016	Lot 17, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	\$ 440.00
S-3599	Kaneko Jelly, Ltd.	1/16/61- 1/15/2016	Lot 22, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.77	ind	1,015.00
S-3600	Durant Realty Co.,	1/16/61- 1/15/2016	Lot 29, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.34	ind	585.00
S-3601	Edward Hamilton Inman	1/16/61- 1/15/2016	Lot 33, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.78	ind	828.00
S-3602	Hawaii Pest Control Co.	7/ 5/63- 1/15/2016	Lot 40, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.36	ind	570.00
S-3603	Harders Company, Ltd.	1/16/61- 1/15/2016	Lot 41, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.29	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, Hawaii	.26	ind	440.00
S-3606	Hilo Kala, Inc.	7/19/66- 1/15/2016	Lot 28, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.34	ind	575.00
S-3609	Hawaii Transportation Co., Ltd.	1/16/61- 1/15/2016	Parcel II, Waiakea Bus. & Indus. Lots, South Hilo, Hawaii	2.36	ind	3,085.00
S-3611	Hawaii Planning Mill, Ltd.	1/16/61- 1/15/2016	Parcel IV, Waiakea Bus. & Indus. Lots, South Hilo, Hawaii	2.33	ind	3,660.00
S-3612	Hamakua Mill Co.	2/ 1/61- 1/31/91	Gov't. Land of Hoea-Kaao Makai Tract, Hamakua, Hawaii	1,078.13	cane	7,077.76
S-3613	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Gov't. Lands at Humuula & Kahoahuna, North Hilo, Hawaii	1,176.07	cane	7,444.58
S-3614	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Niuepa-Kealakaha Gov't. Tracts & Gov't. Land at Kaala, Hamakua, Hawaii	655.60	cane	4,464.29
S-3615	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Gov't. Lands of Ookala-Manowaiale, North Hilo & Hamakua, Hawaii	1,368.44	cane	9,781.49
S-3616	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Kaiaakea Makai Gov't. Remainder, North Hilo, Hawaii	80.08	cane	580.99
S-3617	Honokaa Sugar Co.	2/ 1/61- 1/31/91	Kaao-Paalaea Gov't. Tract, Hamakua	434.74	cane	3,075.88
S-3618	Hilo Body Services, Limited	2/ 6/61- 2/ 5/2016	Lot 34, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.78	ind	1,015.00
S-3619	Gordon M. Ishii dba No D Lay Top Shop	2/ 6/61- 2/ 5/2016	Lot 39, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.32	ind	510.00
S-3620	Shoichi Muramoto, dba Mura's Repair Shop	2/ 6/61- 2/ 5/2016	Lot 44, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.60	ind	1,165.00
S-3621	Hawaiian Grocery Stores, Ltd.	2/24/61- 2/23/2016	Lot 32, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.90	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, Hawaii	.32	ind	545.00
S-3624	Castle & Cooke, Inc.	3/ 6/61- 3/ 5/2016	Por. Gov't. Land of Waiakea, South Hilo, Hawaii	4.50	ind	5,880.00
S-3631	A & A Hawaii, Inc.	3/20/61- 3/19/2016	Lot 11, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.24	ind	410.00
S-3632	Hilo Draying Co., Ltd.	3/20/61- 3/19/2016	Lot 3, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	1.56	ind	2,000.00
S-3653	Heiji Muneno dba Cabby's Union Service	3/20/61- 3/19/2016	Lot 13, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	540.00
S-3654	Kohala Sugar Co.	11/ 8/61-11/ 7/91	Por. of bottom lands of Pololu Valley, Pololu, North Kohala, Hawaii	141.00	cane	325.00
S-3655	Antonio R. Salcedo, Alfred Ruis & Don Winters, dba Triangle 3	2/11/62- 2/10/82	Remainder of Honuaula Mauka Tract 3, Honuaula, Kona & Lot 4, Hienaloli 1st, North Kona, Hawaii	2,963.83	past	10,000.00
S-3656	Richard Smart	8/11/61- 8/10/81	Por. of Puukole-Koaeae Mauka Tract, North Kohala, Hawaii	168.59	past	2,550.00
S-3657	Richard Smart	8/11/61- 8/10/81	Pohakuloa Mauka Gov't. Tract, Pohakuloa & Kalaha 1st, N. Kohala, Hawaii	191.35	past	750.00
S-3658	Richard Smart	8/11/61- 8/10/81	Por. of Kapaa Makai Gov't. Lots, North Kohala, Hawaii	53.55	past	83.68
S-3659	Arthur Botelho	8/11/61- 8/10/81	Por. Gov't. Land in Kilau Gulch, Manowaiopae Homesteads, Kilau, North Hilo, Hawaii	27.30	past	61.00
S-3660	Katsumi Sakai dba K. Sakai Painting Contractor	3/20/61- 3/19/2016	Lot 9, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.28	ind	468.00
S-3662	Mauna Kea Sugar Co., Inc.	8/16/61- 8/15/91	Gov't. Land of Piipihonua, Parcels 1, 2, 3 & 4, South Hilo, Hawaii	1,195.64 162.97 14.33 603.68 <u>1,976.62</u>	cane ele past waste	10,760.76 162.97 35.83 60.37 <u>11,019.93</u>
S-3669	Jack & Sue Ota	3/20/61- 3/19/2016	Lot C, Hoolulu Business Lots, Waiakea, South Hilo, Hawaii	.69	bus	1,110.00
S-3670	Machida, Inc.	3/10/61- 3/19/2016	Lot 30, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.35	ind	585.00
S-3688	Richard S. Miyashiro dba Cafe 100	3/20/61- 3/19/2016	Por. Gov't. Land of Waiakea, South Hilo, Hawaii	.57	bus	1,800.00
S-3696	Hawaiian Telephone Company	1/26/62- 1/25/83	Puumaile Home Site, Waiuli, Waiakea, South Hilo, Hawaii	1.00	r/w	30.00
S-3697	Hawaiian Telephone Company	1/26/62- 1/25/83	Humuula, North Hilo, Hawaii	10.558	r/w	20.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3698	Bank of Hawaii	1/26/62- 1/25/2017	Lot 7, Resubdivision of blk. 47, Waiakea House Lots, Waiakea, S. Hilo, Hawaii	.687	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, Hawaii	.56	bus	851.40
S-3718	Hilo Auto Electric & Carburetor Services	6/28/63- 6/27/1018	Lot 12, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.258	bus	587.00
S-3719	Roger & Nora James	1/28/63- 1/27/83	Hulunani, Kaunaloa & Ki, Puna (Parts A & B), Puna, Hawaii	648.62	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, Hawaii	227.73	past	575.00
S-3721	Raymond M. Kobayashi	11/30/62-11/29/72	Camp Sites 9 & 9-A, Waiakea Homesteads, 2nd Series, S. Hilo, Hawaii	1.74	past	30.00
S-3722	Hawaii Baptist Convention	11/30/62-11/29/2017	Por. Lot 5-C, Waiakea Cane Lots, South Hilo, Hawaii	1.00	ele	780.00
S-3723	S.K. Oda, Limited	11/30/62-11/29/2017	Por. Gov't. Land of Waiakea (West Kalanikoa St., between Kuawa & Kawelolani Sts., South Hilo, Hawaii	1.934	ind	2,781.00
S-3729	Hubert S. Andrews, dba Andrews Trucking Service	8/23/63- 8/22/2018	Lot 10, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.241	ind	572.00
S-3731	County of Hawaii, Board of Water Supply	7/ 1/64- 6/30/2029	Mountain View Water System, Land Site #1, Puna, Hawaii	.18	cty	Gratis
S-3732	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63- 3/28/2013	Kaumana (Kaumana Cave), Hilo, Hawaii		cty	Gratis
S-3738	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63- 3/28/2013	Pahoa (Pahoa Cave), Puna, Hawaii	.04	cty	Gratis
S-3739	County of Hawaii, Civil Defense & Disaster Relief Agency	3/29/63- 3/28/2013	Malana (MacKenzie Cave), Puna, Hawaii		cty	Gratis
S-3740	Masao, Hiroji & Seichi Ochi	3/ 1/63- 2/28/2018	Waiakea, South Hilo, Hawaii	.67	bus	1,956.00
S-3742	Hilo Trailer, Ltd.	11/12/63-11/11/2018	Lots 8 to 13, inclusive, Waiakea Industrial Lots, South Hilo, Hawaii	2.00	ind	4,425.00
S-3744	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63- 4/25/2013	Puuanahulu Cave, North Kona, Hawaii		cty	Gratis
S-3745	County of Hawaii, Civil Defense & Disaster Relief Agency	4/26/63- 4/25/2013	Pigeon Cave, Puuanahulu Mauka, North Kona, Hawaii		cty	Gratis
S-3746	Hilo Salvage Co., Ltd.	4/19/63- 4/18/2018	Lot 16, Keaukaha Seaside Lots, Waiakea, South Hilo, Hawaii	.66	bus	390.00
S-3750	Jiro Tanaka, dba Tanaka Electrical Service	4/26/63- 4/25/2018	Lot 8, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.272	bus	622.00
S-3751	County of Hawaii Hilo Hospital Complex & Allied Facilities	6/ 7/63- 6/ 6/2028	Piihonua, South Hilo, Hawaii	22.453	cty	Gratis
S-3752	United States of America (U.S. Navy)	12/16/63-12/15/2028	Kamaoa, Kau, Hawaii	21.296	fed	Gratis
S-3834	Board of Water Supply	4/24/64- 4/23/2029	Under & across por. of Hamakua Water Reserve, Ahualoa Section, incl. in County's Ahualoa-Kaapahu-Pohakea Water System, Hamakua, Hawaii	.643	cty	Gratis
S-3836	Tsuruyo Oda	6/16/64- 6/15/2019	Waiakea, north corner of Kilauea St. & Volcano Rd., South Hilo, Hawaii	7.855	bus	565.56
S-3837	Hongo Nursery, Inc.	6/16/64- 6/15/2019	Lot 18, Blk. 601, Waiakea, Homesteads, 1st Series, South Hilo, Hawaii	10.00	bus	438.00
S-3839	United States of America (Army)	4/10/64- 4/ 9/74	Tract A, Hilo Breakwater Project, South Hilo, Hawaii	2.60	fed	Gratis
S-3844	University of Hawaii	7/30/64- 7/29/2029	Hamakua Experimental Farm, Kaohe, Hawaii	185.0	agr	Gratis
S-3849	U.S.A. (Army)	8/17/64- 8/16/2029	Pohakuloa Training Area, Hawaii	22,971.000	fed	Gratis
S-3853	U.S.A. (Army)	8/16/64- 8/16/2029	Pohakuloa Water License and Easements		fed	Gratis
S-3855	County of Hawaii	10/11/63-10/10/2028	Kukuau 2nd & Waiakea, South Hilo	2.00	cty	Gratis
S-3862	Ryoji Sumida	6/10/64- 6/ 9/2019	Waiakea, South Hilo, Hawaii	.65	bus	2,845.00
S-3865	County of Hawaii, Board of Water Supply	8/28/64- 8/27/2024	Utility easements at Panaewa, South Hilo, Hawaii	.18	cty	Gratis
S-3867	Manuel Sousa	10/28/64-10/27/84	Lot 1-A, Paaui-Pohakea Reserve Lots	4.54	past	45.00
S-3868	Kahua Ranch, Ltd.	10/28/64-10/27/84	Makiloa Gov't. Tract North Kohala, Hawaii	138.0	past	605.00
S-3869	Koei Ishimine	12/26/64-12/25/84	Lot 8, Puuepa-Kokoiki Homesteads, North Kohala, Hawaii	7.98	cane	120.00
S-3870	William E. Ontai	10/28/64-10/27/94	Lots 2, 3, 5, Papa Homesteads, South Kona, Hawaii	21.18	agr	180.00
S-3872	Hawaii Camps & Tours, Limited	1/23/65- 1/22/95	North Kohala, Hawaii	3.700	rec	900.00
S-3874	Cap Weld Tire & Service, Inc.	12/18/64-12/17/2019	Kilauea Avenue, Hilo, Hawaii	.549	bus	1,650.00
S-3875	Feed-Well, Inc.	8/12/66- 8/11/2021	Kahema Street, Hilo, Hawaii	.689	ind	1,800.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3886	Frances B. Dennis, Margaret Payton & Bernard G. Kinney	1/20/65- 1/19/85	Por. of Lands of Lalamilo, Ouli & Waiakea I, Waimea, South Kohala, Hawaii	9,154.0	past	\$ 3,900.00
S-3887	Hilo Electric Light Co., Ltd.	1/20/65- 1/19/95	Por. of H.H.L. of Humuula, North Hilo, Hawaii	6.583	r/w	180.00
S-3888	Hawaiian Telephone Company	1/20/65- 1/19/2030	Lots 15 & 16, Blk. 39, Waiakea House Lots, South Hilo, Hawaii	.896	ind	2,130.00
S-3908	Tradewind Resorts, Inc.	4/12/65- 4/11/2030	Lot 13, Ocean View Lots, Waiakea, South Hilo, Hawaii	2.319	bus	15,000.00
S-3909	Alfred A. Silva	4/12/65- 4/11/85	Lot 15-B, Kaauhuhu Homesteads, North Kohala, Hawaii	6.41	agr	96.00
S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea, South Hilo, Hawaii	.204	cty	Gratis
S-3925	Hilo Electric Light Co., Ltd.	8/27/65- 8/26/2030	Lot 16, Kanoelehua Industrial Lots, South Hilo, Hawaii	4.00	r/w	7,566.00
S-3927	Hilo Electric Light Co., Ltd.	9/24/65- 9/23/95	Por. of Gov't. Land of Kaohe, Hamakua, Hawaii	.88	bus	120.00
S-3929	Sun Sun Lau, Ltd.	8/17/66- 8/16/2021	E. Corner of Kinooole & Wailo Sts., Waiakea, South Hilo, Hawaii	3.273	bus	11,550.00
S-3930	William Thompson	10/18/65-10/17/85	Por. of Gov't. Land of Kalama 4, 5, Kahauola 1, South Kona, Hawaii	12.911	past	75.00
S-3931	Mildred De Lima	10/18/65-10/17/85	Lot 1317, Waiakea Homesteads, 3rd Series, South Hilo, Hawaii	66.55	past	195.00
S-3932	Paauhau Sugar Co.	10/18/65-10/17/85	Por. of Kalopa Homesteads, Hamakua, Hawaii	0.73	agr	25.00
S-3933	Roman Catholic Bishop of Honolulu	10/18/65-10/17/2030	Lots 116 & 117, Puako Beach Lots, Lalamilo, Waimea, S. Kohala, Hawaii	.643	ele	334.00
S-3934	Hubert M. Spivey	10/18/65-10/17/85	Por. of Waiakea Pasture Lands, Hawaii	119.694	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, Hawaii	.30	bus	420.00
S-3936	Kazuo Komura	9/24/65- 9/23/2020	Lot 6, Panaewa Farm Lots Subdivision, 2nd Series, South Hilo, Hawaii	10.24	agr	490.00
S-3938	Frank De Luz, Jr. & Virginia De Luz	11/ 8/65-11/ 7/85	Por. of Kapualei Gov't. Remainder, Kapualei, Hamakua, Hawaii	33.62	past	685.00
S-3948	Hamakua Mill Co.	12/20/65-12/19/90	Por. of Gov't. Land of Hauola, Hamakua, Hawaii	160.02	agr	2,330.00
S-3949	Hawaiian Greenhouse, Inc.	12/20/65-12/19/2000	Keonepoko Homesteads, Pahoa, Hawaii	19.40	agr	639.10
S-3950	Kulana Foods, Ltd.	12/20/65-12/19/2020	Lot 820, Waiakea Homesteads, South Hilo, Hawaii	41.20	past	180.00
S-3954	Tokio Miyashiro	11/24/65-11/23/2029	Lot 16, Panaewa Farm Lots, 2nd Series, South Hilo, Hawaii	10.097	agr	485.00
S-3961	Melsan, Ltd.	4/15/66- 4/14/2031	Por. of Gov't. (Crown) Land of Waiakea Peninsula, S. Hilo, Hawaii	5.00	bus	32,670.00
S-3962	Eaton Magoon, Jr.	4/15/66- 4/14/96	Lots 1 & 2, Haukalua Homesteads 2nd, South Kona, Hawaii	14.19	agr	165.00
S-3966	Transportation Dept., U.S. Coast Guard	4/15/66- 4/14/2031	Hoopuloa, South Kona, Hawaii	1.19	fed	Gratis
S-3999	Divaco Cooperative	8/16/66- 8/15/2021	Lots 8 & 9, Hilo Industrial Development, Pohaku St. Section, Waiakea, South Hilo, Hawaii 2-2-47	.918	ind	2,184.00
S-4000	Kohala Sugar Co.	8/19/66- 8/18/2031	Government Land at Puuepa 2 & Kokoiki, N. Kohala, Hawaii 5-5-05:1	.192	r/w	10.00
S-4001	W.H. Greenwell, Ltd.	8/16/66- 8/15/91	Onouli 2nd Government Tract, South Kona, Hawaii 8-1-06	423.00	past	625.00
S-4002	Hamakua Mill Co.	8/16/66- 8/15/91	Parcel A, Pohakuhaku-Kemau Government Remnants; Parcels B, C, D, E, & F, Opihilala-Kapualei Government Remnants; Government Remainder Kemau II Nakai Tract; Kaohe Government Remainder, Kaohe I; Lot 21-A, Pohakea Homestead, Makai Section, Opihilala & Paauiilo, Hamakua, Hawaii 4-3-04, 05, 06, 07, 08, 09, 11.	168.611 52.721 221.332	cane waste	3,040.00
S-4003	Yee Hop, Ltd.	8/16/66- 8/15/91	Government Tract of Kipahoehe, Olelomoana 2nd, Opihihali 1, por. Kaohe 5 to Kolo & por. of Kaohe 4, South Kona, Hawaii	1,270.000	past	3,150.00
S-4004	Christ Lutheran Church	8/16/66- 8/15/2031	Portion of Government Land of Waiakea, S. Hilo, Hawaii 2-4-01	3.101	ele	\$ 1,214.00
S-4005	John J. Andrade & Josephine Andrade	8/16/66- 8/15/91	Lot 11, Ahualoa Reserve Remnants, Ahualoa Homesteads, Ahualoa, Hawaii 4-5-11:6	13.496	past	91.00
S-4006	Phoebe L. Loo	8/16/66- 8/15/86	Portion of Government Land of Waipio Valley, Hamakua, Hawaii	11.600	agr	200.00
S-4012	United States of America	1/ 3/66- 1/ 2/2031	Upper Waiakea, South Hilo, & Olaa, Puna, Hawaii	1,144.920	fed	Gratis
S-4018	First United Protestant Church of Hilo	10/ 6/66-10/ 5/2031	Lot 1, Portion of Government Land, Piuhonua, S. Hilo, Hawaii 2-3-27	3.572	ele	1,396.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-4019	Seven Seas, Inc.	10/ 6/66- 3/19/2016	Lots A & B, Hoolulu Business Lts., Waiakea, S. Hilo, Hawaii 2-2-33	1.184	bus	\$ 2,602.00
S-4020	U.S.A. (Army)	8/16/66- 8/15/86	Makuu, Puna, Hawaii	33.06	fed	Gratis
S-4024	George Freitas Dairy, Inc.	11/29/66-11/28/91	Puuepa 2-Kokoiki Government Tract, North Kohala, Hawaii 5-5-05	74.340	past	1,200.00
S-4025	James Mallaby Green- well, Robert Francis Greenwell & Harold Stanley Wright, Trustees for Palani Ranch Trust	11/29/66-11/28/91	Honuaula Tract No. 2, Honuaula, North Kona, Hawaii 7-4-01:3	1,608.500	past	2,800.00
S-4026	Farmers Enterprise Corp.	11/29/66-11/28/2001	Lot 17, Panaewa Farm Lots, 2nd Series, Waiakea, S. Hilo, Hawaii 2-4-08	10.579	agr	510.00
S-4029	County of Hawaii	4/13/67- 4/12/2032	Kealakehe, N. Kona, Hawaii 7-4-08	34.688	cty	Gratis
S-4097	Shell Oil Company	3/31/67- 3/30/2032	Por. Gov't. land of Waiakea, South Hilo, Hawaii	.13	r/w	267.00
S-4098	Yoshito Iwamoto	3/31/67- 3/30/2032	Portion of Waiohinu Government, Remnants at Waiohinu, Kau, Hawaii 9-5-02:40	.437	r/w	10.00
S-4099	Richard Smart	3/31/67- 3/20/2032	Across Portion of Kamuela Airport Hawaii 6-7-01	.006	r/w	1.00
S-4102	Kilauea Council, Boy Scouts of America	4/15/66- 4/14/2021	Honokaia, Hamakua, Hawaii	238.00	rec	150.00
S-4105	James H. & Mabel M. Davis	9/ 6/67- 9/ 5/2032	Puukapu, Waimea, Hawaii	.005	r/w	5.00
S-4106	Lydia Maertens	9/ 6/67- 9/ 5/2032	Puukapu, Waimea, Hawaii	.003	r/w	3.00
S-4107	Honokaa Sugar Co.	9/ 6/67- 9/ 5/92	Lauka-Kulihai, Hamakua, Hawaii	117.98	agr	1,020.00
S-4108	Honokaa Sugar Co.	9/ 6/67- 9/ 5/92	Hanapai, Hamakua, Hawaii	43.55	agr	451.10
S-4109	Honokaa Sugar Co.	9/ 6/67- 9/ 5/92	Hamakua, Hawaii	160.870	agr	1,861.00
S-4130	Hawaiian Telephone Co.	1/ 1/68-12/31/2022	North Hilo, Hawaii	1.047	ind	36.00
S-4137	Frank L. Moniz III	1/12/68- 1/11/88	Kaauhuhu, North Kohala, Hawaii	5.640	agr	100.00
S-4138	Everett C. Watt	1/12/68- 1/11/2023	Waiakea, South Hilo, Hawaii	10.008	agr	552.00
S-4139	Honolulu Gas Co., Ltd.	4/14/67- 4/13/97	Hilo, Hawaii	.230	ind	510.00
S-4141	Signal Oil and Gas Co.	2/23/68- 2/22/93	South Kohala, Hawaii	775.083	agr	10,000.00
S-4191	University of Hawaii	6/21/68-12/31/2033	Kaohē, Hamakua, Hawaii	13,321.05	ind	Gratis
S-4196	University of Hawaii	4/26/68- 4/25/2033	South Kohala, Hawaii	196.414	agr	1.00
S-4201	Norona, Incorporated	9/26/68- 9/25/2023	Waiakea, South Hilo, Hawaii	.47	ind	16,000.00
S-4202	Hiroshi Matsuyama	9/26/68- 9/25/93	Keopu No. 2, N. Kona, Hawaii	17.49	past	60.00
S-4203	Richard Smart	9/26/68-12/31/2033	South Kohala, Hawaii	.15	r/w	720.00
S-4204	Masaru Akahoshi	9/26/68- 9/25/78	Hilo, Hawaii	.149	r/w	90.00
S-4205	Shinobu Oshima	9/26/68- 9/25/2023	Waiakea, South Hilo, Hawaii	60.00	agr	3,312.00
S-4206	Sun Sun Lau	9/26/68- 9/25/2033	Waiakea, South Hilo, Hawaii	.06	r/w	24.00
S-4207	Hugo & Shirley Von Platen Luder	9/26/68- 2/28/2021	North Kona, Hawaii	.01	r/w	867.00
S-4224	Richard Smart	2/ 7/69- 2/ 6/94	North Kohala, Hawaii	23.80	past	96.00
S-4225	Mitsuo & Yaeko Kitagawa	2/ 7/69- 2/ 6/2024	Waialea, South Hilo, Hawaii	10.02	agr	576.00
S-4226	Joseph Chang, Sr.	2/ 7/69- 2/ 6/89	Kokoiki, North Kohala, Hawaii	10.02	agr	45.00
S-4227	Island Holidays, Ltd.	2/ 7/69- 2/ 6/2034	Kahaluu, North Kona, Hawaii	.13	r/w	8,336.00
S-4234	University of Hawaii	12/15/67-12/14/2032	Olaa, Puna, Hawaii	.01	r/w	Gratis
S-4235	University of Hawaii	4/11/69- 4/10/2034	Humuula, North Hilo, Hawaii	.06	r/w	Gratis
S-4237	C. Brewer & Co., Ltd.	4/15/69- 4/14/84	Kaalualu, Kiolakaa, Kau, Hawaii	9.58	agr	11,100.00
S-4238	Geishun & Akiko Gushikuma	6/12/69- 6/11/89	Piha, North Hilo, Hawaii	2.19	agr	180.00
S-4239	Palani Ranch Co., Inc.	4/15/69- 4/24/94	Kealakehe, North Kona, Hawaii	1,232.00	past	2,500.00
S-4247	Kahua Ranch, Ltd.	7/11/69- 7/10/94	Pahinahina-Kiiokalani Gov't. tract, Section I at N. Kohala, Hawaii	5,865.000	past	7,860.00
S-4248	Margaret Cobey Black	7/11/69- 7/10/99	Kokoiki, N. Kohala, Hawaii	.053	r/w	60.00
S-4249	Bank of Hawaii	7/11/69- 7/10/2034	Por. of Kakina Rd., Honuaula, N. Kona, Hawaii	.047	r/w	722.00
S-5000	Tsugio Sakata	3/31/67- 3/30/2032	Parcel A, Waiakea, South Hilo, Hawaii 2-2-32	.012	r/w	11.00
S-5001	Kiyomi Kobata & Fumie Kobata	3/31/67- 3/30/2022	Lot 88, Kaapahu Homesteads, Mauka Section, Hamakua, Hawaii 4-4-13:11	1.000	bus	4,262.00
S-5002	Aiea Dairy, Ltd.	3/31/67- 3/30/92	Lots 1417 & 1516, Waiakea Home- steads 3 Series, S. Hilo, Hawaii 2-4-06	20.500	past	250.00
S-5003	Frank A. Massow & Laura M. Massow	3/31/67- 3/30/92	Lot 5A, Paauiilo 2nd Series Homestead, Hamakua, Hawaii	68.670	past	330.00
S-5004	Sueichi & Yoshiko Kawashima	3/31/67- 3/30/2002	Portion of Government Land of Keonepoko-Nui, Puna, Hawaii 1-5-98	3.04	agr	46.00
S-5005	Marjorie Corley	3/31/67- 3/30/2002	Portion of Government Land of Olaa, Puna, Hawaii 1-7-01	5.000	agr	65.00
S-5015	Motoshi Sako	5/19/67- 5/18/02	Portion of Government Land of Lalamilo, Waimea, S. Kohala, Hawaii 6-6-04	.466	bus	485.00
S-5017	Mary K. Phillips	5/19/67- 5/18/2002	Lots 11 & 11-A, Ocean View Lots, Waiakea, S. Hilo, Hawaii 2-1-05	.033	r/w	22.00
S-5018	Nalei, Inc.	5/19/67- 5/18/2032	Surface waters from State-owned Water- sheds at Hamakua & N. Kohala, Hawaii	1.115	bus	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Awalua-Haena Government Tract at N. Kohala, Hawaii 5-6-01	5,845.00	wtr	8,000.00
S-5020	Kohala Sugar Company	5/19/67- 5/18/92		185.550	cane	1,923.00
				8.800	r/w	
				14.480	waste	
				22.250	past	
				231.080		



SECOND LAND DISTRICT Islands of Maui, Molokai and Lanai

GENERAL LEASES—SUMMARY, SECOND LAND DISTRICT

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture, General	992.508	\$ 10,735.00	31
Business	6.105	7,546.00	4
Cane	4,973.398	96,654.21	7
County	1.970	—	2
Eleemosynary	51.600	316.00	5
Federal	11,219.800	—	4
Fishpond	.600	137.00	1
Industrial	1.262	1,800.00	2
Pasture	25,663.251	43,016.22	49
Pineapple	—	—	—
Recreational	7.742	150.00	1
Residential	9.627	24,202.50	22
Rights of Way	28.430	1,886.40	8
Waste	128.134	(1)	3
Water Licenses, etc.	3,381.000	70,040.00	4
TOTALS	46,465.427	\$256,483.33	143

(1) Included in sugar cane leases.

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3238	Ulupalakua Ranch, Inc.	7/ 1/48- 6/30/69	Kualapa-Kalihi, Kanahena, Mohopilo-Onau Honuaulo, Makawao, Maui	2,800.00	past	\$ 1,550.00
3289	Kaonoulou Ranch Co., Limited	5/10/49- 5/ 9/70	Lots 2-8, 10-15, 21, Waiohuli-Keokea Mauka Homestead Tract, Maui	381.67	past	2,300.00
3290	Hana Ranch Co., Ltd.	5/10/49- 5/ 9/70	Kaeleku, Hana, Maui	4.00	past	12.00
3291	Alfred Ferreira	5/10/49- 5/ 9/70	Lots 29-A, 29-B, 29-E, Nahiku Homesteads, Koolau, Maui	21.88	past	15.00
3292	Kaupo Ranch, Ltd.	7/26/49- 7/25/70	Nakula, Kaupo, Maui	1,536.000	past	2,100.00
3293	Kaupo Ranch, Ltd.	5/10/49- 5/ 9/70	Lots 1, 2, 7, 8-A, 8-B, Kaupo Homesteads, Kaupo, Maui	261.600	past	26.16
3294	John A. Medeiros, Jr.	5/10/49- 5/ 9/70	Kawaipapa & Wakiu, Hana, Maui	563.045	past	100.00
3295	Kaupo Ranch, Ltd.	5/10/49- 5/ 9/70	Government Lands in Kaupo, Maui	317.020	past	300.00
3299	Pioneer Mill Co., Ltd.	1/ 1/50-12/31/70	Section A & B, Portion of Gov't. lands of Olowalu & Ukemehame, Lahaina, Maui	1,561.465	past	1,600.00
3301	Molokai Electric Co., Limited	9/14/49- 9/13/70	Kahanui and Naiwa, Maui	.425	r/w	1.00
3349	East Maui Irrigation Company, Limited	7/ 1/50- 6/30/71	Keanae, Koolau Forest Reserve, Maui		wtr	10.00
3394	Kaupo Ranch, Ltd.	1/14/52- 1/13/73	Por. of Gov't. Lands of Pualaea Kaniula & Kalepa, Kaupo, Maui	361.400	past	325.00
3396	Maui Factors, Inc.	8/20/65- 1/13/73	Por. of Gov't. Land of Ukemehame, Maui	4,858.431	past	6,740.00
3397	Alfred Ferreira	4/11/62- 1/13/73	Lot O, Nahiku Homesteads, Koolau, Maui	7.350	past	15.00
3398	Exporters, Limited	1/14/52- 1/13/73	Par. 7 & 15, Kapohue & Puuiki, Hana, Maui	1.840	past	12.00
3399	Wilbert P. Costa	1/14/52- 1/13/73	East Honomale Kawela-Kaileku Gov't. Tract, Hana, Maui	960.000	past	8,025.00
3400	Valentine Redo	10/23/64- 1/13/73	Portion Government Land of Wailuku, Hana, Maui	731.250	past	913.06
3401	Anthony Tam	1/14/52- 1/13/73	Por. of Gov't. Land of Honokalani Hana, Maui	175.000	past	101.00
3403	Ernest E. Marks	1/14/52- 1/13/73	Parts 1, 2, 3 & 4 of Lot 1, Ualapue Lots, Maui	2.710	past	30.00
3404	Hiroshi Takatani	1/14/52- 1/13/73	Por. of Gov't. Land of Maluaka, Honuaula, Makawao, Maui	2.000	agr	16.00
3405	Roy I. Akiyama & Ralph H. Iwamoto	11/21/65- 1/13/73	Gov't. Land at Pukoo 3, Maui	9.410	res	100.00
3406	West Maui Athletic Assn.	1/14/52- 1/13/73	Gov't. Remnant off Front St., at Pakala, Lahaina, Maui	.200	ele	20.00
3411	Pioneer Mill Co., Ltd.	1/14/52- 1/13/73	Por. of Gov't. Land at Olowalu, Lahaina, Maui		r/w	100.00
3488	Tatsuo Suehiro	6/28/54- 6/27/75	Lot B, Alamihi, Lahaina, Maui	.145	agr	16.00
3489	Manuel Souza et al, Tr. for Apostolic Faith Church of Honolulu	6/28/54- 6/27/75	Lot A, Alamihi, Lahaina, Maui	.26	ele	26.00
3490	James Kekiwi	6/28/54- 6/27/69	Lot 9-A, Wailua Homesteads, Koolau, Maui	.770	agr	26.00
3491	Samuel Akina	6/28/54- 6/27/69	Lot 36-A, Wailua Homesteads, Koolau, Maui	.40	agr	26.00
3492	Mrs. Apolonio K. Day	6/28/54- 6/27/69	Lot 33-A, Wailua Homesteads, Koolau, Maui	0.85	agr	45.00
3493	Sam Akoi, Jr.	6/28/54- 6/27/69	Por. Gov't. Land of Wailua, makai S.E. side of Hana Belt Road, Hana, Maui	14.68	agr	36.00
3494	John Kaholokula	6/28/54- 6/27/69	Gov't. lot at Peahi, Uaaoa and Kealiinui, Hamakualoa, Maui	6.25	agr	66.00
3495	Joseph Young	6/28/54- 6/27/75	Lot 36, Wailua Homesteads, Koolau, Maui	1.80	agr	44.00
3496	Margaret M. Rossi	6/28/54- 6/27/73	Lots 3 & 3-A, Keanae Homesteads, Keanae, Maui	1.77	past	24.00
3497	John Emmsley	6/28/54- 6/27/75	Gov't. Land of East Papaaea, Hamakualoa, Maui	50.56	past	40.00
3498	John Pacheco Tavares	6/28/54- 6/27/75	Gov't. remnant in W. Hanawana, Hamakualoa, Maui	31.47	past	40.00
3499	Joseph & Williet E. Range	6/28/54- 6/27/75	Gov't. remnant in W. Papaaea, Hamakualoa, Maui	79.10	past	100.00
3500	Ah Chow Atai	6/28/54- 6/27/75	Lots 5 & 5-A, Honomanu Homesteads, Koolau, Maui	4.44	past	24.00
3501	Mrs. Pearl Friel	6/28/54- 6/27/75	Por. Gov't. Land of East Ohia, Maui	56.44	past	50.00
3505	East Maui Irrigation Co., Limited	7/ 1/55- 6/30/76	Nahiku Water License, Hana & Makawao, Maui		wtr	4,510.00
3513	Ernest E. Marks	4/25/55- 4/24/76	Lots 1, 2, 3 & 4, Ualapue Pasture Lots, Ualapue, Maui	21.55	past	126.00
3514	Hana Ranch Co., Ltd.	4/25/55- 4/24/76	Lots 1 & 2, Papaauhau Remnants, Maui	26.07	past	78.00
3515	Frank Tavares Pacheco	4/25/55- 4/24/76	Por. Gov't. Remnant in Hanehoi Hamakualoa, Maui	52.65	past	175.00
3518	Decker G. McAllister	4/25/55- 4/24/70	Por. of Waiohonu Gov't. Remainder between sea coast & S.E. boundary of Waiohonu Houselots, Waiohonu, Maui	1.84	agr	24.00
3535	Maui Electric Co., Ltd.	1/16/56- 1/15/77	Por. Gov't. Land of Waiakoa and Papaanui, Maui	4.762	r/w	24.00
3536	Hawaiian Broadcasting System, Ltd.	3/ 1/56- 2/28/77	Kolekole Hill, Papaanui, together with easement, Makawao, Maui	2.57	bus	96.00
3537	Wailuku Sugar Co.	1/16/56- 1/15/77	Por. of Land of Kahakuloa, Kaanapali, Maui	136.40	past	300.00
3538	Harold P. Hustace	1/16/56- 1/15/71	Kaluaaha School Lot, Kaluaaha, Maui	5.063	agr	301.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L-3578	East Maui Irrigation Company, Inc.	7/ 1/60- 6/30/81	Huelo License, Hamakuapoko, Maui		wtr	\$50,010.00
3588	Pioneer Mill Co., Ltd.	7/ 1/60-12/31/89	Honokowai, Lahaina, Maui	1,124.60	cane	20,834.21
S-3636	Samuel & Mary Kaauamo	4/14/61- 4/13/76	Gov't. Remnant within Wailua-Homestead Tract, Wailua (Koolau), Maui	1.25	agr	25.00
S-3637	William Neilson & Dorothy Stuart Neilson	4/14/61- 4/13/91	Por. of Gov't. Land of Kawaiipapa, including Loko Waiohonu, Hana, Maui	.60	fpd	137.00
S-3638	Maui Pineapple Co., Limited	4/14/61- 4/13/81	Honokowai Mauka Gov't. Tract, Kaanapali, Lahaina, Maui	157.94	agr	3,800.00
S-3640	Ulupalakua Ranch, Inc.	4/28/61- 4/27/82	Lot 40, Nahiku Homesteads, Koolau, Maui	45.40	past	45.00
S-3681	Maui Pineapple Co., Limited	1/12/62- 1/11/82	Por. of Gov't. Land of Napili 4 & 5, on Honoapiilani Hwy., Lahaina, Maui	239.04	agr	1,642.00
S-3682	Haleakala Ranch Co.	1/12/62- 1/11/82	Por. of Gov't. Haleakala Tract, Makawao, Hamakuapoko, Maui	150.70	past	1,650.00
S-3683	Frank Cuelho, Jr., Philip R. Perry & Eugene K. Duvauchelle	3/12/62- 3/11/82	Por. of Land of Pukoo, Molokai	142.89	past	300.00
S-3684	Maui County Council, Inc., Boy Scouts of Amer.	1/12/62- 1/11/82	Lots 12-A, 12-B-1, Kahakuloa Homesteads, Wailuku (Kaanapali), Maui	47.68	ele	60.00
S-3685	Wailuku Sugar Co.	1/12/62- 1/11/82	Lot 12-B-2, Kahakuloa Homesteads, Wailuku, (Kaanapali), Maui	194.51	past	1,825.00
S-3687	Wailuku Sugar Co.	1/12/62- 1/11/82	Por. of Ili of Kou, situate on main Gov't. Road at Waiehu, Wailuku, Maui	12.48	cane	735.00
S-3695	East Maui Irrigation Company, Limited	7/ 1/62- 6/30/86	Honomanu Water License, Koolau, Maui	3,381.00	wtr	15,510.00
S-3699	John M. Dee Souza	5/17/62- 6/16/82	Kolea Gov't. Land, Koolau, Hana, Maui	66.00	past	120.00
S-3700	Ulupalakua Ranch, Ltd.	3/19/62- 3/18/82	Gov't. Land of Honuaula, Kanaio & Kaunuaahano, Kaloi Gov't. Tract, incl. Lots 1-17, incl. of Kanaio Homesteads, Honuaula, Maui	8,370.00	past	5,000.00
S-3701	Haleakala Ranch Co.	3/18/62- 3/18/82	Por. of Nakula Mauka Gov't. Tract, Kaupo & Kahikinui, Maui	423.200	past	3,714.00
S-3714	County of Maui & U.S.A. (Civil Defense)	11/15/62-11/14/82	Abandoned shop building at Firebreak Rd., Puunene Airport, Maui	962.73	fed	None
S-3717	West Maui AJA Veterans Club	11/ 5/62-11/ 4/87	Lot 46, Wahikuli Houselots, 3rd Series, Lahaina, Maui	.46	ele	120.00
S-3730	County of Maui Civil Defense Agency	3/18/63- 3/17/73	Concrete storage building at old Puunene Airport, Puunene, Maui		cty	
S-3741	U.S.A., FAA	7/ 1/64- 6/30/84	Kealalaloa, Ukumehame, Maui	1.000	fed	Gratis
S-3749	U.S.A., Corps of Engineers (U.S. Army)	4/19/63- 4/18/2028	Papaanui, Makawao (Honuaula), Maui	4.45	fed	Gratis
S-3817	Maui Young Men's Christian Association	11/24/64-11/23/2019	Keanae, Hana (Koolau), Maui	7.742	rec	150.00
S-3820	Roy F. Bodnar	4/ 8/64- 4/ 7/84	Gov't. Remnants, Parcels C, D, E, Puolua Hamakualoa, Makawao, Maui	12.89	past	60.00
S-3821	Leonard Nakoa	4/ 8/64- 4/ 7/74	Lots 6, 9, 16, 23, 47, 48, 57, 58 Kahukuloa Hmstds., Wailuku, Maui	1.539	agr	109.00
S-3822	Walter Teixeira	4/ 8/64- 4/ 7/84	Lot 1, Upper Kualopa Lots, Makawao, Maui	20.820	past	85.00
S-3823	Victoria Kanoa	4/ 8/64- 4/ 7/74	Por. of Gov't. (Crown) Land, Keanae & Gov't. Poalimas, Par. 1 & 2, Keanae, Koolau, adjacent to Lot 3, L.C. Appln. 240, Hana, Maui	1.497	agr	48.00
S-3824	Anthony DeCoite	4/ 8/64- 4/ 7/84	Parcels A & B, Paehala Gov't. Tract, Paehala, Hana, Maui	48.1	past	105.00
S-3825	County of Maui	5/22/64- 5/21/2029	Old Kipahulu School Lot, Kalena, Hana, Maui	1.97	cty	Gratis
S-3826	County of Maui Civil Defense Agency	11/25/64-11/24/74	Splinter Shelter Bldg., Facility No. 03659; Bldg. 2, Old Puunene Airport, Puunene, Maui		cty	Gratis
S-3835	Pioneer Mill Co., Ltd.	6/ 2/64- 6/ 1/84	Honokowai, Kaanapali, Wahikuli, Lahainaluna, Lahaina, Maui	17.901	r/w	1,500.00
S-3857	Leslie W. & Coila I. Eade	8/17/64- 8/16/99	Papaauhau, between Hana Hwy. & the Sea, Papaauhau, Hana, Maui	5.20	agr	590.00
S-3918	University of Hawaii	5/28/65- 5/27/2030	Parcel 1, Kealahou 1 & 2 and Waiakoa, Makawao, Kula, Maui	20.674	agr	Gratis
S-3920	Joseph Young	7/20/65- 7/19/85	Lots 12-A, 13-A, 26-A, 32, 32-A & Parcel 54 of T.M.K. 1-1-5, Wailua Homesteads, Hana, Maui	5.93	agr	177.00
S-3922	Cecilia Kaauamo	7/20/65- 7/19/85	Lots 2-A, 18-A, 19-A, 21-A & 22-A, Wailua Homesteads, Koolau, Hana, Maui	2.99	agr	80.00
S-3923	Russell & Gay Baldwin Lloyd	7/20/65- 7/19/2030	Non-exclusive easement for roadway 20-ft. wide, Kahului Airport, Kahului, Maui	.166	r/w	75.00
S-3947	George W. Murphy, dba Puuohoku Ranch	6/ 1/66- 5/31/86	Por. Gov't. Land of Honouliwai, makai of Molokai Forest Reserve, Molokai	577.000	past	1,851.00
S-3953	U.S.A. (Navy)	11/ 4/64-11/ 3/70	Por. Molokai Forest Reserve	10,251.600	fed	Gratis
S-3964	Charles H. Tuck	6/ 1/66- 5/31/86	Lots 28, 29, 30, Waiohonu-Kakio Homesteads, Hana, Maui	35.85	past	90.00
S-3965	Samuel Kaauamo	6/ 1/66- 5/31/86	Lots 17-A & 46, Wailua Homesteads, Wailua, Hana, Maui	2.63	agr	34.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3972	Dr. Louis Prucher	5/21/68- 5/20/88	Omaopio, Makawao (Kula), Maui	6.30	agr	\$ 200.00
S-3984	Pioneer Mill Co., Ltd.	7/11/66- 7/10/86	Lot C, Lahainaluna School Lands, Lahaina, Maui 4-6-18:4	69.400 25.100 78.100 <u>162.600</u>	cane past waste	1,765.00
S-3985	Pioneer Mill Co., Ltd.	7/11/66- 7/10/86	Lots A-1 & A-3, Lahainaluna School Lands, Lahaina, Maui 4-6-18:6 & 10	37.840 <u>42.759</u> 80.599	cane waste	950.00
S-3986	Molokai Farm, Inc.	7/11/66- 7/10/2001	Parcel A. Molokai Farm Lots, Hoolehua-Apana 2 & Paalu-Apana 2, Molokai	365.00	agr	28,000.00
S-4013	Obed Sniffen	10/17/66-10/16/86	Lot 9, Kahakuloa Homesteads, Wailuku, Maui 3-1-01	56.010	past	45.00
S-4015	Joe Castro, Jr.	10/17/66-10/16/86	Lot 11, Kahakuloa Homesteads, Wailuku, Maui 3-1-01	92.800	past	175.00
S-4016	Erik Krag, dba Hana Tropical Fruit Plantation	10/17/66-10/16/2001	Portion of Government Land, Kawai-apapa and Kakiu, Hana, Maui 1-3-04	421.170	agr	700.00
S-4028	Hawaiian Telephone Company	7/ 1/66- 6/30/2031	Papaanui, Makawao, (Honuaula), Maui	.262	ind	300.00
S-4111	Alfred & Rosaline Ferreira	9/25/67- 9/24/87	Por. of Hon.-Nui & Hon.-Nui and Hon.-Iki, Maui	63.000	agr	300.00
S-4112	Maui Shores Syndicate & Kihei Shores	9/25/67- 9/24/2032	Kamaole, Wailuku, (Kula), Maui	.400	r/w	150.00
S-4189	Hana Ranch Co., Ltd.	3/ 7/68- 3/ 6/88	Hamoia, Hana, Maui	1.000	agr	15.00
S-4190	Joseph Young	3/ 7/68- 3/ 6/88	Wailua, Hana (Koolau), Maui	2.76	agr	40.00
S-4142	Harry O. Mitchell & Pearl R. Mitchell	4/22/68- 4/21/88	Wailua Homesteads, Wailua, Maui	2.18	agr	55.00
S-4193	Yvonne Mathews	4/22/68- 4/21/88	Ualapue, Kona, Molokai	2.10	agr	200.00
S-4194	Dr. Louis R. Prucher	5/21/68- 5/20/88	Omaopio, Makawao, (Kula), Maui	6.300	agr	200.00
S-4195	Tyson E. Benson	4/22/68- 4/21/2033	Kamaole, (Kula), Maui	.217	res	710.00
S-4197	Alexander & Baldwin, Inc.	7/ 1/68- 6/30/2003	Pulehunui & Waikapu, Wailuku, Maui	1,875.27	cane	35,500.00
S-4209	Harold K. & Louise Geise Lee	10/ 3/68-10/ 2/2023	Lot 4, Keanae Homesteads, Keanae, Hana, (Koolau), Maui	1.10	agr	1,070.00
S-4210	Virginia May Cundiff	10/ 3/68-10/ 2/2033	Keanae, Hana, (Koolau), Maui	.97	agr	350.00
S-4211	Stephen & Gerald Perreira	9/12/68- 9/11/88	Water Hole Reserve, Waiahoa Homesteads, Kula, Maui	16.55	past	120.00
S-4212	John J. Fagan & Walter C. Witte	9/ 4/68- 9/ 3/2033	Kamaole, Wailuku, Maui	1.12	bus	6,700.00
S-4229	Pioneer Mill Co., Ltd.	2/25/69- 2/24/94	Wahikuli, Lahaina, (Kaanapali), Maui	1,819.00	cane	36,000.00
S-4230	Charles S. Ota	2/25/69- 2/24/89	Honomanu Gov't. Land, Honomanu, Hana, Maui	67.00	past	250.00
S-4231	Paul T. & Bernice T. Otani	2/25/69- 2/24/94	Omapio, Kula, Maui	13.14	agr	500.00
S-4232	Frank T. Pacheco	2/25/69- 2/24/94	Puolua, Makawao, (Hamakualoa), Maui	.76	past	30.00
S-4233	Harry Frisbie	2/25/69- 2/24/89	Keanae & Pahoa, Hana, Maui	148.70	past	410.00
S-4241	Harry Frisbie	6/ 4/69- 6/ 3/94	Hamakualoa, Makawao, Maui	53.33	past	600.00
S-4242	Steven DeCoite & Florence Harold	6/ 4/69- 6/ 3/94	Honokala, Hamakualoa, Maui	28.42	past	355.00
S-5008	Pioneer Mill Co., Ltd.	5/23/67- 5/22/87	Portion of 4-6-18:13, Lahainaluna School Lands, Lahaina, Maui	34.808 <u>7.275</u> 42.083	cane waste	870.00
S-5009	Kilolani Congregational Church	5/23/67- 5/22/2032	Portion of Government Land of Waiohuli, Wailuku, Maui 3-9-01	3.000	ele	90.00
S-5010	Edward B. Perreira & Sylvia M. Perreira	5/23/67- 5/22/87	Wailua-Nui Government Remainder, Hana, Maui 1-1-08	59.910	past	150.00
S-5011	Gordon D. MacKenzie	5/23/67- 5/22/2032	Portion of Government Land of Honouliwai, Molokai 5-8-03	.176	r/w	28.00
S-5012	Kenneth K. Otani	5/23/67- 5/22/82	Portion of Kahului Airport, Kahului, Maui 3-8-01	1.000	ind	1,500.00
S-5014	David Nobriga	10/17/66-10/16/86	Lot 10, Kahakuloa Homesteads, Wailuku, Maui, 3-1-01	78.600	past	60.00

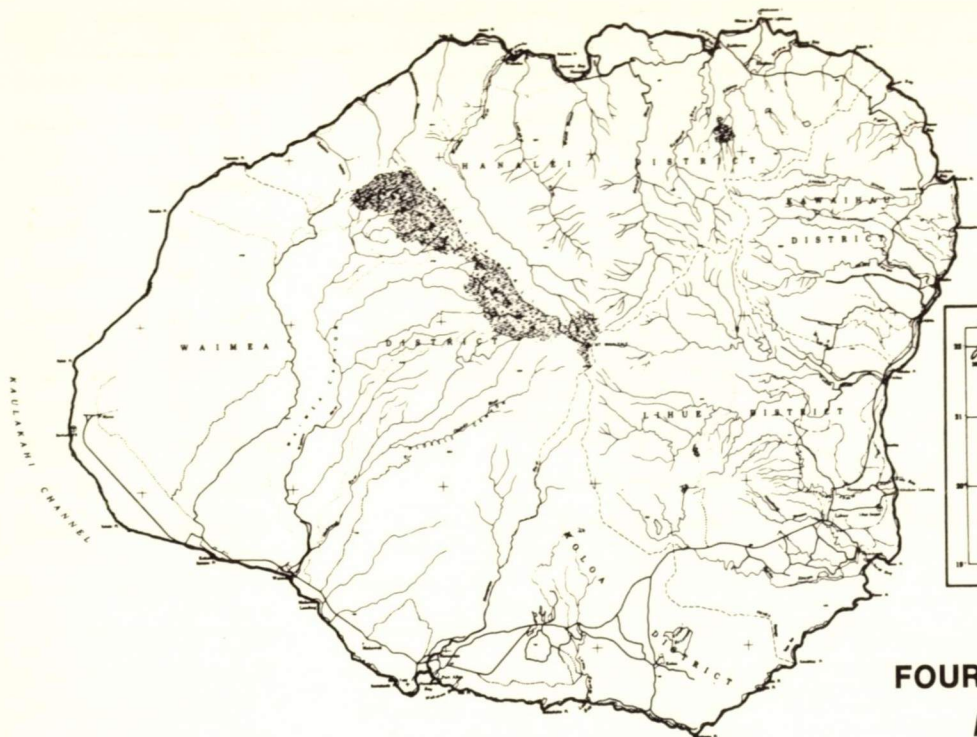
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L- 810	Waiahole Water Co., Ltd.	5/27/16- 5/27/76	Waiahole, Koolaupoko		wtr	\$15,000.00
L-1755	Hawaiian Electric Co., Ltd.	4/ 7/46-Indefinite	Auwaiolimu & Kewalo	.21	r/w	1.00
L-1756	Hawaiian Electric Co., Ltd.	6/21/21-Indefinite	Waialae	1.02	r/w	12.00
F-2955	Hawaiian Electric Co., Ltd.	5/25/48- 5/24/98	Schofield Barracks	.548	fed	Gratis
3271	(Mrs.) Edythe M. Turner	9/30/48- 9/29/69	Aiea Hts. Hse. Lots (Lot K), Ewa	3.143	past	15.00
L-3315	Hawaiian Electric Co., Ltd.	11/ 4/49-11/ 3/70	Makiki, Honolulu	.34	r/w	12.00
L-3316	Hawaiian Electric Co., Ltd.	11/ 4/49-11/ 3/70	Kawailoa, Kailua, Honolulu	.54	r/w	12.00
L-3317	Hawaiian Electric Co., Ltd.	11/ 4/49-11/ 3/70	Waimanalo, Koolaupoko	9.08	r/w	12.00
L-3318	Hawaiian Electric Co., Ltd.	11/ 4/49-11/ 3/70	Waianae & Lualualei	1.37	r/w	17.00
L-3319	Hawaiian Electric Co., Ltd.	11/ 4/49-11/ 3/70	Nanakuli & Lualualei	2.31	r/w	12.00
L-3352	Castle & Cooke, Inc.	1/ 1/51-12/31/72	Wahiawa	4,620.00	wtr	16,000.00
L-3383	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Aiea	.08	r/w	12.00
L-3384	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Honolulu	1.03	r/w	31.00
L-3385	Hawaiian Electric Co., Ltd.	4/ 4/51- 4/ 3/72	Keaahala, Kaneohe, Koolaupoko	1.02	r/w	12.00
3386	Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Nanakuli, Waianae	.90	bus	100.00
L-3387	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Waimanalo, Koolaupoko	2.28	r/w	32.00
3388	Abel S. Santos	1/ 1/52-12/31/73	Kaneohe, Koolaupoko	89.50	agr	770.00
3389	Oahu Sugar Co., Ltd.	4/ 4/51- 4/ 3/72	Waimalu, Kaumiumi, Ewa	7.613	past	106.00
3390	(Mrs.) Apolonia Rose	7/ 1/51- 8/31/72	Aiea, Ewa	.60	res	540.00
3391	Harold Chung-Hoon	4/ 4/51- 4/ 3/72	Keaau, Waianae	476.91	past	300.00
3429	Hawaiian Telephone Company	6/ 6/52- 6/ 5/73	Kalawahine & Opu (Tantalus), Honolulu	2.37	bus	200.00
3430	Hawaiian Cement Corp.	1/28/60- 6/ 5/73	Lualualei, Waianae	17.89	ind	100.00
3459	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	12/ 7/53-12/ 6/74	Pupukea-Paumalu, Koolauloa	.03	r/w	12.00
3462	Kahuku Plantation Company	12/ 7/53-12/ 6/69	Makaua, Koolauloa	3.77	agr	100.00
3465	Hawaiian Trust Co. Ltd.	12/ 7/53-12/ 6/74	Hotel St., Honolulu	.09	bus	12.00
S-3469	Labriano Garcia	4/ 5/54- 4/ 4/75	Waianae-Kai	97.390	past	275.00
3470	Wilbert H.S. & Flora K. Choi	4/ 5/54- 4/ 4/75	Makiki, Honolulu	1.29	agr	800.00
L-3471	Hawaiian Bitumuls & Paving Co., Ltd.	1/16/62- 4/ 4/75	Kaena, Waialua	76.376	ind	76.00
L-3502	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	10/27/54-10/26/75	Kewalo & Kalawahine, Honolulu	.129	r/w	30.00
L-3523	Glenn Masuo & Harriet Miekio Masunaga	6/30/55- 6/29/76	Makiki, Honolulu	.10	r/w	24.00
L-3524	Union Oil Co. of Calif.	6/30/55- 6/29/76	Pacific St., Iwilei, Honolulu	.05	r/w	24.00
3525	Agostino Fasone	6/30/55- 6/29/70	Auwaiolimu, Pauoa Valley, Honolulu	1.412	agr	45.00
3526	Nancy W. Fisher	6/30/55- 6/29/70	Waianae Valley, Waianae	2.261	agr	25.00
L-3527	Hawaiian Electric Co., Ltd.	7/ 7/55- 7/ 6/76	Kewalo & Kalawahine, Honolulu	0.627	r/w	24.00
3539	Rosewell M. Towill	2/21/56- 2/20/77	Kaneohe Bay, Kahaluu, Koolaupoko	.18	res	80.00
3540	California Packing Corporation	7/ 1/57- 6/30/72	Upper Puohala, Waikele, Ewa	578.265	pine	17,119.45
3541	Kahuku Plantation Co.	2/21/56- 2/20/71	Waialea, Koolauloa	5.861	agr	175.85
3542	Edmund F. Lai	7/ 1/64- 2/20/71	Par. A-2, Waialea & Pahipahialua, Koolauloa	20.828	agr	860.00
3543	Edmund F. Lai	7/ 1/64- 2/20/71	Par. B-2, Waialea & Pahipahialua, Koolauloa	11.582	agr	755.00
3544	The Eye of the Pacific, Incorporated	2/21/56- 2/20/77	Lot 12, Piliamoo Hse. Lots & Remnant, Moiliili, Honolulu	.55	ele	60.00
3545	Honolulu Gas Co., Ltd.	3/27/63- 2/20/77	Lot CC-2-B, Kuwili, Kapalama-Kai, Honolulu	7.408	ind	55,260.00
L-3562	Hawaiian Electric Co., Ltd.	6/18/56- 6/17/77	Piliamoo, Kanewa, & Waahila, Honolulu		r/w	24.00
3563	Castle & Cooke, Inc.	8/ 1/56- 7/31/77	Wahiawa, Waialua	.13	wtr	12.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3564	Communications, Hawaii & Hercules Broadcasting Co.	8/27/56- 8/26/77	Kaakaukui, Honolulu	.080	bus	\$ 1,400.00
3565	GEM International, Inc.	10/26/60- 8/26/77	Kuwili, Honolulu	3.075	ind	9,000.00
S-3689	Ornellas, Inc.	10/15/63- 3/31/72	Nimitz Highway between Maunakea & Smith Sts., Honolulu	.133	bus	8,400.00
S-3702	Honolulu Gas Co., Ltd.	3/21/62- 3/20/92	Wilikina Dr., Wahiawa	.051	r/w	220.00
S-3709	The Oceanics Foundation	5/ 2/63-10/20/2027	Waimanalo, Koolauapoko	118.0	ele	12,000.00
S-3726	Honolulu Star Bulletin Inc.	1/14/63- 1/13/83	Ala Wai Blvd., Kalia, Waikiki Honolulu	2.00	r/w	130.00
S-3727	Roman Rivera & Alfonso Remiscal Nacapoy	11/17/64- 1/13/2028	Kaluapalena, Kalihi, Honolulu	.154	r/w	19.20
S-3748	U.S.A., Federal Aviation Agency	4/19/63- 4/18/2025	Mokuleia Forest Res., Oahu	53.630	fed	Gratis
S-3806	Honolulu Redevelopment Agency, City & County of Honolulu	4/ 1/64- 3/31/74	Lot B, Iwilei Gov't. Lots, Honolulu	3.00	bus	1.00
S-3808	City & County of Honolulu	6/17/64- 6/16/2029	Pouhala & Ulumoku, Waikele, Ewa	45.810	r/w	Gratis
S-3809	Canadian Overseas Telecommunications Corporation	4/ 2/64- 4/ 1/2029	Keawaula, Waianae	3.979	ind	1,000.00
S-3811	Consolidated Amusement Co., Ltd.	4/ 2/64- 4/ 1/2029	Kalauao, Ewa	.015	r/w	125.00
S-3813	U.S.A. (Navy)	7/ 1/64- 6/30/79	Gov't. lands at Nanakuli, Lualualei, Waianae	.397	r/w	Gratis
S-3843	City & County of Honolulu (Maluhia Hospital)	2/26/65- 2/25/2030	Between S. of Hala Dr. & N. of ext. of Kuakini St., adjacent Blk. 1, Sec. C. McInerny Tract & Sec. C of Lanakila Tract at Kalaepohaku, & Kapalama, Honolulu	3.09	cty	1.00
S-3845	U.S.A. (Army)	8/17/64- 8/16/2029	Kaena Point Tracking Station	137.98	fed	Gratis
S-3846	U.S.A. (Army)	8/17/64- 8/16/2029	Kawailoa Training Area	4,390.0	fed	Gratis
S-3848	U.S.A. (Army)	8/17/64- 8/16/2029	Makua Training Area, Parcels A & B	1,515.121	fed	Gratis
S-3850	U.S.A. (Army)	8/17/64- 8/16/2029	Kahuku Training Area, Kahuku	1,149.72	fed	Gratis
S-3851	U.S.A. (Army)	8/17/64- 8/16/2029	Lualualei Maneuver Area, Lualualei	57.825	fed	Gratis
S-3864	University of Hawaii	7/ 1/65- 6/30/2030	Kaakaukui, Honolulu	6.071	ele	1.00
S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead easement over por. E. O. 1346, Kapalama, Honolulu	.115	r/w	75.00
S-3897	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	25-ft. wide easement for overhead electric transmission line, over and across H.H.L., Nanakuli	3.79	r/w	84.00
S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Underground easement, Makiki Forest Ridge Lots, Honolulu	.079	r/w	50.00
S-3899	First National Bank of Hawaii	3/11/65- 3/10/2030	Lots 25 & 25-A, Auwaiolimu Lots, Honolulu	.299	r/w	600.00
S-3900	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead easement at Kuwili & Kapalama, Honolulu	.118	r/w	73.00
S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead & underground easement for electric transmission line, Mao Lane, Honolulu	.006	r/w	5.00
S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	End of Mao Land to Vineyard Throughfare, Kapalama, Honolulu	.01	r/w	5.00
S-3902	Oahu Sugar Company	3/11/65- 3/10/2005	Pipeline & utility easement at Waipahu, Waikele	.26	r/w	70.40
S-3903	Hawaiian Telephone Company	3/11/65- 3/10/2030	Diamond Head Tunnel, easement for communication cable & communication center, Kapahulu, Honolulu	.96	r/w	1.00
S-3904	Hawaiian Electric Co., Inc. & Hawaiian Telephone Company	3/11/65- 3/10/2030	Overhead & underground easement across Kalihi Waena School, Honolulu	.42	r/w	205.00
S-3905	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	Overhead easement at Laelae, Kalihi Valley, Honolulu	.365	r/w	50.00
S-3906	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	Easement for electric transmission line, Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu	.481	r/w	200.00
S-3915	Francis I. Tsuzuki & Morio Omori	6/12/65- 6/20/2030	Kewalo, Honolulu	.043	r/w	78.00
S-3924	U.S.A., Army Engineer Division, Pacific Ocean	12/ 1/65-Indefinite	10x12 ft. room at Battery Harlow, Fort Ruger, Honolulu	.003	fed	Gratis
S-3951	Aloha Council, Boy Scouts of America	3/ 1/66- 3/10/2021	Parcels A & B, Por. of Gov't. (Crown) Land of Pupukea, Koolauloa	64.800	rec	150.00
S-3967	City and County of Honolulu	4/15/66- 4/14/71	Lualualei, Waianae	.528	r/w	Gratis

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3978	Ralph Ajifu & Richard Azama	6/27/66- 6/26/2031	Kaluapuhi-Waikalua Homesteads, Kaneohe	.168	r/w	\$ 30.00
S-3979	Halcyon Lee Song & Agnes S. Field	6/27/66- 6/26/2031	Por. Gov't. Land, Opu (Watershed Forest Reserve, Round Top Drive, Tantalus)	.058	r/w	75.00
S-3980	Esther K. Arinaga	6/27/66- 6/26/2031	Makiki Ditch	.021	r/w	36.00
S-3981	Roy H. Aoki & Jane S. Aoki	6/27/66- 6/26/2031	Por. of Gov't. Land, Pauoa Valley	.01	r/w	1.00
S-3982	Castle & Cooke, Inc.	6/27/66- 6/26/2031	Kuwili, Kapalama-Kai	.09	r/w	246.00
S-3983	David Ap Lew	6/27/66- 6/26/2021	Por. Old Waialeale Boy's Home, Koolauloa	12.854	bus	6,324.00
S-3996	Y. Hata & Co., Ltd.	8/ 5/66- 8/ 4/2021	Parcel, Food Distribution Center, 1st Increment, Kaakaukui, Honolulu, Oahu 2-1-58	4.146	bus	48,750.00
S-3997	Honolulu Community Theater	8/18/66- 8/17/2016	Portion of Block 56, Kaimuki Tract Kapahulu, Honolulu, Oahu 3-2-30	2.735	bus	6,000.00
S-4014	Little League Stadium	4/ 1/68- 3/31/2033	Moanalua, Hawaii, Hawaii	6.190	rec	150.00
S-4017	Aloha Council, Boy Scouts of America	6/10/66- 6/ 9/96	Reservoir Lot, Kaimuki, Honolulu, Hawaii	.657	ele	150.00
S-4027	Communications Satellite Corporation	12/28/66-12/27/2031	Mount Kaala, Mokuleia, Portion of Mokuleia Forest Reserve, Waialua, Oahu 6-7-03	.106	bus	330.00
S-4094	City and County of Honolulu	12/17/65-12/16/2030	Kapahulu, Waikiki, Honolulu, Hawaii	.139	cty	Gratis
S-4096	University of Hawaii	6/ 5/67- 6/ 4/77	Waimanalo, Oahu 4-1-13	127.282	agr	Gratis
S-4100	Army & Air Force Exchange Service	11/ 1/67-10/31/2032	Kaakaukui, Honolulu, Hawaii	2.500	fed	Gratis
S-4104	Hawaiian Electric Company, Inc.	4/15/66- 5/28/2928	Kapahulu, Honolulu, Hawaii	.154	r/w	10.00
S-4110	Hawaii Kai Community Services Company	9/15/67- 9/14/2032	Maunaloa, Oahu, Hawaii	.643	r/w	255.00
S-4113	Val's U-Drive, Inc.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.676	ind	10,900.00
S-4114	Real Estate Equities	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.91	ind	13,300.00
S-4115	Associated Masons, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.945	ind	12,200.00
S-4116	Valdastri, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	1.013	ind	15,600.00
S-4117	Sen Company, Inc.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	1.013	ind	15,300.00
S-4118	Harders Company, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	1.013	ind	16,400.00
S-4119	Sunvan & Storage Company, Inc.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	1.094	ind	18,600.00
S-4120	Electrical Distributors, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	1.013	ind	15,500.00
S-4121	Paul Simpson, Inc.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.919	ind	15,600.00
S-4122	W.T. Chang Contractors, Ltd.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.51	ind	7,500.00
S-4123	Douglas K. Takata	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.566	ind	9,600.00
S-4124	Oahu Plumbing & Sheet Metal, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.574	ind	9,100.00
S-4125	City Investment Co., Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.574	ind	9,600.00
S-4126	Limco, Ltd.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.57	ind	9,900.00
S-4127	Quality Sheetmetal Company, Limited	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.574	ind	9,500.00
S-4129	United States of America (Federal Aviation Adm.)	6/ 1/67- 5/30/2032	Fort Ruger, Oahu, Hawaii	.099	fed	Gratis
S-4131	Tamotsu & Otome Sugiyama	10/19/67-10/18/87	Waianae, Oahu, Hawaii	1,272.000	past	2,800.00
S-4132	Miyoshi Uchinaka	10/19/67-10/18/2032	Ewa, Oahu, Hawaii	.010	r/w	6.00
S-4216	Armour Oil Hawaii, Ltd.	12/ 5/68-12/ 4/2033	Kapalama, Honolulu, Oahu, Hawaii	.11	r/w	915.00
S-4217	Ernest W. Albrecht	12/ 5/68-12/ 4/2033	Puea, Waianae, Oahu	.61	r/w	21.00
S-4218	Waipahu Zoto Zen Temple Taiyoji	12/ 5/68-12/ 4/2033	Cemetery Lot, Pouhala, Waikele, Ewa, Oahu	.23	ele	12.00
S-4220	University of Hawaii	1/29/69- 1/28/2034	Kaimuki Tract 49, Kapahulu	8.00	ind	Gratis
S-4223	Hawaiian Telephone Company	3/ 1/66- 2/28/2031	Mt. Kaala, Mokuleia, Waialua, Oahu	.06	r/w	300.00
S-4228	U.S.A. Army Engineer Division, Pacific Ocean	1/ 1/69-12/31/73	Por. of Oahu Railway & Land Co.'s Railroad	1.10	r/w	Gratis
S-4236	U.S.A. Army Engineer Division, Pacific Ocean	7/30/68- 6/30/72	Parcel 16 former railway r/w from OR&L Co.	.02	r/w	Gratis
S-5006	University of Hawaii	6/ 1/67- 5/31/2032	Honolulu, Oahu, Hawaii	.110	ind	Gratis
S-5013	First Church of Christ, Scientist	5/25/67- 5/24/2032	Honolulu, Oahu, Hawaii	.050	ele	110.00
WAIMANALO AGRICULTURAL LEASES						
S-3753	Sidney U. Goo	12/ 2/63-12/ 1/83	Lot 2, Waimanalo Agricultural Subdivision, Koolaupoko	3.429	agr	355.00
S-3754	Chozen Kanetake	12/ 2/63-12/ 1/83	Lot 3, Waimanalo Agricultural Subdivision, Koolaupoko	4.147	agr	360.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3755	Ronald H. Deisseroth	12/ 2/63-12/ 7/83	Lot 4, Waimanalo Agricultural Subdivision, Koolaupoko	5.106	agr	\$ 350.00
S-3756	James Suenaga	12/ 2/63-12/ 1/83	Lot 5, Waimanalo Agricultural Subdivision, Koolaupoko	5.193	agr	290.00
S-3757	Raymond M. & Lily T. Kam	12/ 2/63-12/ 1/83	Lot 9, Waimanalo Agricultural Subdivision, Koolaupoko	3.742	agr	300.00
S-3758	Kazuto Yamada	12/ 2/63-12/ 1/83	Lot 10, Waimanalo Agricultural Subdivision, Koolaupoko	4.094	agr	350.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/ 2/63-12/ 1/83	Lot 11, Waimanalo Agricultural Subdivision, Koolaupoko	4.486	agr	375.00
S-3760	Kaname & Ethel H. Tanaka	12/ 2/63-12/ 1/83	Lot 12, Waimanalo Agricultural Subdivision, Koolaupoko	4.635	agr	390.00
S-3761	Philip P. Minn Plant Nursery	2/ 2/64- 2/ 1/84	Lot 13, Waimanalo Agricultural Subdivision, Koolaupoko	4.014	agr	360.00
S-3762	Henry Hiroshi Miyamoto	2/ 2/64- 2/ 1/84	Lot 14, Waimanalo Agricultural Subdivision, Koolaupoko	5.137	agr	420.00
S-3763	John G. Kilbey & Charles K. Baker	12/ 2/63-12/ 1/83	Lot 15, Waimanalo Agricultural Subdivision, Koolaupoko	5.256	agr	410.00
S-3764	Evergreen Nurseries, Inc.	12/ 2/63-12/ 1/83	Lot 16, Waimanalo Agricultural Subdivision, Koolaupoko	3.23	agr	295.00
S-3765	Harry N. Okabe & Irene Okabe	12/ 2/63-12/ 1/83	Lot 25, Waimanalo Agricultural Subdivision, Koolaupoko	7.787	agr	560.00
S-3766	Rodney H. & Iris T. Fukui	12/ 2/63-12/ 1/83	Lot 26, Waimanalo Agricultural Subdivision, Koolaupoko	7.001	agr	725.00
S-3767	Ronald Lindsey	12/ 2/63-12/ 1/83	Lot 27, Waimanalo Agricultural Subdivision, Koolaupoko	7.195	agr	515.00
S-3768	Stanley S. Kawabata	12/ 2/63-12/ 1/83	Lot 28, Waimanalo Agricultural Subdivision, Koolaupoko	6.836	agr	515.00
S-3769	Mun On & Rosalind K. Chang	12/ 2/63-12/ 1/83	Lot 29, Waimanalo Agricultural Subdivision, Koolaupoko	5.515	agr	540.00
S-3770	Hiroshi & Sally Ikene	12/ 2/63-12/ 1/83	Lot 30, Waimanalo Agricultural Subdivision, Koolaupoko	5.794	agr	430.00
S-3771	Samuel L.W. Kapahua	12/ 2/63-12/ 1/83	Lot 31, Waimanalo Agricultural Subdivision, Koolaupoko	10.005	agr	1,000.00
S-3772	Walter S.S. Zane & Florence F. Zane	12/ 2/63-12/ 1/83	Lot 32, Waimanalo Agricultural Subdivision, Koolaupoko	6.521	agr	1,300.00
S-3773	Lloyd W. Martin	12/ 2/63-12/ 1/83	Lot 34, Waimanalo Agricultural Subdivision, Koolaupoko	9.686	agr	650.00
S-3774	Katsumi Mashita	12/ 2/63-12/ 1/83	Lot 35, Waimanalo Agricultural Subdivision, Koolaupoko	8.541	agr	585.00
S-3775	Mieko Antoku	12/ 2/63-12/ 1/83	Lot 36, Waimanalo Agricultural Subdivision, Koolaupoko	8.860	agr	600.00
S-3776	James F. Ching	12/ 2/63-12/ 1/83	Lot 37, Waimanalo Agricultural Subdivision, Koolaupoko	8.513	agr	490.00
S-3777	Raymond Y.C. Ching	12/ 2/63-12/ 1/83	Lot 39, Waimanalo Agricultural Subdivision, Koolaupoko	7.883	agr	515.00
S-3778	Melvin Y.S. Chang	12/ 2/63-12/ 1/83	Lot 40, Waimanalo Agricultural Subdivision, Koolaupoko	5.686	agr	420.00
S-3779	James A. Nakano & Takashi Ishihara	10/13/64-12/ 4/83	Lot 41, Waimanalo Agricultural Subdivision, Koolaupoko	6.032	agr	435.00
S-3780	Marion Freitas & Chiharu Yoneda	12/ 2/63-12/ 1/83	Lot 46, Waimanalo Agricultural Subdivision, Koolaupoko	6.705	agr	300.00
S-3782	Peter A. & Gertrude Pak Chong	12/ 2/63-12/ 1/83	Lot 38, Waimanalo Agricultural Subdivision, Koolaupoko	7.136	agr	550.00
S-3783	Henry, Joseph, & Theresa Castillo	2/ 5/64- 2/ 4/84	Lot 1, Waimanalo Agricultural Subdivision, Koolaupoko	11.092	past	705.00
S-3784	Edward D. & Carroll Sultan	12/ 2/63-12/ 1/83	Lot 22, Waimanalo Agricultural Subdivision, Koolaupoko	19.481	past	730.00
S-3786	George & Hazel K. Ilae	12/ 5/63-12/ 4/93	Lot 6, Waimanalo Agricultural Subdivision, Koolaupoko	4.630	agr	500.00
S-3787	William N.K. & Mary Y.Y. Kamai, Jr.	12/ 2/63-12/ 1/93	Lot 7, Waimanalo Agricultural Subdivision, Koolaupoko	3.54	agr	245.00
S-3789	Shirley May Sumic	12/ 5/63-12/ 4/93	Lot 42, Waimanalo Agricultural Subdivision, Koolaupoko	1.146	agr	380.00
S-3792	Elizabeth Heavey & Eleanor Kaleimomi McLellan	12/ 5/63-12/ 4/93	Lot 45, Waimanalo Agricultural Subdivision, Koolaupoko	1.100	agr	380.00
S-3793	Robert L. & Anna K. Ham	12/ 2/63-12/ 1/93	Lot 18-A, Waimanalo Agricultural Subdivision, Koolaupoko	6.490	agr	950.00
S-3794	Arthur H. Zsupnik, dba Art's Liquidation Co.	12/ 2/63-12/ 1/93	Lot 18-B, Waimanalo Agricultural Subdivision, Koolaupoko	5.744	agr	700.00
S-3854	Stewart L. & Arla Wagers Wade	8/10/64- 8/ 9/84	Lot 47, Waimanalo Agricultural Subdivision, Koolaupoko	5.492	agr	550.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64- 8/ 9/84	Lot 9, Waimanalo Farm Lots, Koolaupoko	9.474	agr	570.00
S-3858	Warren Q.K. Yee & Ellen S.P. Yee	8/10/64- 8/ 9/84	Lot 8, Waimanalo Agricultural Subdivision, Koolaupoko	3.66	agr	510.00
S-3859	Harry N. & Irene M. Okabe	8/10/64- 8/ 9/84	Lot 56-A & 56-B, Waimanalo Farm Lots, Koolaupoko	8.92	agr	580.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3860	Charles F.W. & Jean K. Chong	8/13/64- 8/12/84	Lot 31, Waimanalo Farm Lots, Koolaupoko	9.862	agr	\$ 640.00
S-3861	Barbara Ruth Malouff & Norma Revee Taliaferro	8/10/64- 8/ 9/84	Lot 33, Waimanalo Agricultural Subdivision, Koolaupoko	20.06	past	900.00
S-4007	B & G Enterprises	9/12/66- 9/11/86	Waimanalo Agricultural Subdivision, Lots 23 & 24, Koolaupoko, Oahu 4-1-27	34.438	agr	1,000.00
S-4008	Walter F. Chong & Evelyn Z. Chong	9/12/66- 9/11/86	Lot 38, Waimanalo Agricultural Subdivision 4-1-27:14	20.395	agr	960.00
S-4009	Roy M. Shiraki	9/12/66- 9/11/86	Lot 28, Waimanalo Farm Lots Subdivision, Koolaupoko, Oahu 4-1-25:54	9.45	agr	800.00
S-4010	Joseph F. Decoite	9/12/66- 9/11/86	Lot 67, Waimanalo Farm Lots Subdivision, Koolaupoko, Oahu 4-1-08	7.021	agr	1,030.00
S-4011	Thomas R. Beveridge & Matsuko Beveridge	9/12/66- 9/11/96	Lot 43, Waimanalo Agricultural Subdivision, Koolaupoko, Oahu 4-1-08	1.032	agr	420.00
S-4093	Victor & Harriet Towne Gega	3/20/67- 3/19/97	Lot 44, Waimanalo Agricultural Subdivision, Koolaupoko, Oahu 4-1-08	1.002	agr	450.00
S-4095	Olomana Golf Links, Inc.	5/ 4/67- 5/ 3/2007	Waimanalo, Hawaii	129.859	rec	16,500.00
S-4101	L.W. Campos Ranch, Limited	7/20/67- 7/19/97	Waimanalo, Hawaii	195.810	agr	8,100.00
S-4133	Henry A. Gomes & Betty Jo Gomes	10/26/67-10/25/87	Waimanalo, Hawaii	8.450	agr	2,000.00



FOURTH LAND DISTRICT Island of Kauai

GENERAL LEASES—SUMMARY, FOURTH LAND DISTRICT

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture, General	406.593	\$ 13,243.84	53
Business	41.507	71,429.00	17
Cane	49,029.915	872,887.29	8
County	13.577	—	3
Eleemosynary	1.854	240.00	2
Federal	469.130	600.00	4
Fishpond	—	—	—
Industrial	31.178	15,913.00	4
Pasture	17,548.476	25,818.49	43
Pineapple	86.760	2,349.63	2
Recreational	22.257	1,805.00	3
Residential	150.970	181,810.00	121
Rights of Way	141.625	6,240.50	17
Waste	16,286.380	(1)	—
Water Licenses, etc.	125.000	92,400.00	2
TOTALS	84,354.222	\$1,284,736.75	279

(1) Included in sugar cane leases.

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3221	Kauai Beverage & Cream Co., Ltd.	12/22/47-12/21/68	Lots 3 & 4, Kekaha Town Lots	0.56	bus	\$ 400.00
3304	Kapaa Electric Co., Ltd.	10/22/49-10/21/70	Wailua, Puna, Kawaihau	1.00	r/w	12.50
3451	Shigeru Miyasato	7/16/53- 7/15/74	Kapaa, Kawaihau	0.010	r/w	12.00
3452	Mabel C. Lai	7/16/53- 7/15/74	Kapaa, Kawaihau	0.030	r/w	12.00
3458	Kekaha Sugar Co., Ltd.	1/ 1/54-12/31/68	Waimea, Kona	8,225.47	cane	201,551.61
				7,909.00	past	
				11,886.78	waste	
3519	Hawaiian Fruit Packers, Ltd.	5/28/55- 5/27/70	Portion Lot 215-A-1, Kapaa Homesteads, Kawaihau, Puna	7.16	pine	236.00
S-3520	Hawaiian Fruit Packers, Ltd.	6/ 4/55- 6/30/70	Wailua, Kawaihau, Puna, Kauai	79.600	pine	2,113.63
				219.950	past	
3546	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Wailua, Lihue, Puna	4,756.19	cane	91,774.00
				2,581.40	waste	
S-3546	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Wailua, Lihue, Puna, Kauai	4,394.795	cane	91,774.00
				2,574.197	waste	
3547	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Anahola, Kamalomalo, Kawaihau, Koolau	1,909.50	cane	35,791.68
				1,818.20	waste	
3548	Seichi Hoashi	8/21/56- 8/20/77	Kalaheo, Kona	33.12	past	235.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	43.92	past	\$ 240.00
S-3550	William E. & Evelyn P.O. Fernandes	8/21/56- 8/20/71	Lot 81, Anahola Lots, Kawaihau, Puna, Kauai	4.48	agr	25.00
3551	Natsuyo Iwamoto	8/21/56- 8/20/71	Lot 7, Wailua Rice & Kula Lots, Wailua, Puna	3.84	agr	82.00
3552	Magoichi Nishimoto	8/21/56- 8/20/71	Lot 3, Wailua Rice & Kula Lots, Wailua, Puna	5.07	agr	90.00
3554	McBryde Sugar Co., Ltd.	8/21/56- 8/20/71	Lot 10, Hanapepe Rice & Kula Lots, Waimea, Kona	11.07	agr	337.00
S-3555	Haruo Kato	8/21/56- 8/20/71	Hanapepe, Kona, Waimea, Kauai	21.043	agr	112.64
3556	Agnes K. Rogers	8/21/56- 8/20/71	Lot 33-A, Gov't. Remnants, Waimea Valley, Kona	0.29	agr	12.00
3557	Toshio Hashimoto	8/21/56- 8/20/71	Lot 25, Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kona	4.08	agr	96.00
3558	Katherine V. Molale	8/21/56- 8/20/77	Lot 61-A, Anahola Lots, Koolau	0.23	res	36.00
3560	Antone Martin, Jr.	8/21/56- 8/20/77	Kuwaawaa Pasture Reserve, Kalaheo, Kona	183.00	past	375.00
3577	Kilauea Sugar Co., Ltd.	1/ 1/59-12/31/79	Papaa, Hanalei	7.12	r/w	200.00
S-3625	Manuel S. Andrade	3/15/61- 3/14/81	Kalaheo Reservoir No. 6, Kalaheo Homesteads, Koloa, Kona	7.34	past	36.00
S-3626	George B. Fernandes	3/15/61- 3/14/81	Pasture Reserve "A", Kalaheo Homesteads, Kona	33.666	past	537.85
S-3627	Toshiharu Yama & Richard C. Nagao	3/15/61- 3/14/73	Gov't. Land of Wailua, Lihue	9.96	agr	200.00
S-3628	Vernon K. White	3/15/61- 3/14/76	Lots 11-16, Anahola Beach Lots, Anahola, Koolau	2.85	agr	100.00
S-3629	J. Albert Roesch	3/15/61- 3/14/86	Land Adj. to Lot 30, Wailua Homesteads, Wailua, Puna	2.96	rec	180.00
S-3641	William K. Medeiros	8/ 8/61- 8/ 7/81	Lots 47-A & 47-B, Omao Homesteads, Omao, Koloa	6.08	past	180.00
S-3644	Samuel Thronas	7/ 9/61- 7/ 8/71	Lot 24, Wailua Rice & Kula Lots, Wailua, Lihue	13.86	past	750.00
S-3645	Masao Takatsuki	5/11/61- 5/10/81	Par. 2, Wailua Pasture Lands, Wailua, Puna, Kawaihau	8.97	past	251.00
S-3646	Samuel Thronas	5/11/61- 5/10/81	Por. Gov't. Land of Wailua, Wailua, Puna	25.67	past	400.00
S-3649	Francis M.F. Ching	5/11/61- 5/10/91	Lot 28, Lawai Homesteads, Lawai, Koloa	7.54	past	421.00
S-3650	August Aguiar	7/ 9/61- 7/ 8/91	Lot 5-B, Kapaa Rice & Kula Lots, Kapaa, Puna	1.87	agr	180.00
S-3651	Harrison Kauai Johnson	7/ 9/61- 7/ 8/81	Lot 34, Kapaa Homesteads, 1st Series Kapaa, Puna	5.75	past	435.00
S-3663	Takeshi & Betty Yamamoto	9/16/61- 9/15/71	Lots 58 & 61, Anahola Lots, Anahola, Koolau	2.65	agr	60.00
S-3664	Kekaha Sugar Co., Ltd.	8/18/61-12/31/68	Old Mana School Lot, Por. Gov't. Land of Kekaha, Kekaha, Waimea	14.93	cane	253.00
S-3665	Richard Vidinha	10/16/61-10/15/81	Lots 15 & 16, Lawai Homesteads, Lawai, Kona	16.45	past	48.00
S-3666	William & Evelyn Fernandes	10/16/61-10/15/91	Lots 33, 34, 35 & 36, and Lots 36-A, 38 & 39, Hanalei Homesteads, Halelea	13.64	agr	175.00
S-3667	Tsutao Okasako	9/ 1/61- 8/31/81	Lot 173, Kapaa Homesteads, 3rd Series, Kawaihau, Puna	27.40	agr	650.00
S-3668	Lihue Plantation Co., Ltd.	8/18/61- 6/30/71	Gov't. Lands at Kapaa, Wailua, Kawaihau, Puna	28.78	r/w	3,500.00
S-3671	William P. & Mary Jo Wilson	4/14/61- 4/13/81	Kokee State Park, Waimea, Kauai	.47	bus	276.00
S-3674	William E. Fernandes	12/18/61-12/17/86	Lot 25, Wailua Rice & Kula Lots, Wailua, Kawaihau, Puna	4.41	bus	250.00
S-3675	Hiromu & Toneyo Choriki	2/15/62- 2/14/83	Lot 82, Hanapepe Town Lots, Hanapepe, Waimea	0.37	res	600.00
S-3676	Manuel S. Andrade	2/15/62- 2/14/82	Tract 2-A Hanapepe Valley Pasture Lands, Kona, Waimea	46.25	past	180.00
S-3678	Kekaha Sugar Co., Ltd.	12/18/61-12/17/81	Lot 62, Gov't. Remnants, Ili of Neamo, Waimea Valley	3.70	past	48.00
S-3679	William K. Lemn	12/18/61-12/17/91	Lot 66, Anahola Lots, Anahola, Koolau	0.61	res	240.00
S-3680	Lihue Plantation Co., Ltd.	12/18/61-12/17/86	Lot 44, Wailua Rice & Kula Lots, Wailua, Puna	5.40	agr	220.00
S-3690	Manuel S. Andrade	1/27/62- 1/26/82	Pasture Reserve "C", Kalaheo Homesteads, 2nd Series, Kalaheo, Kona	32.55	past	367.48
S-3691	Joseph S. Brun	3/27/62- 3/26/82	Lots A & B, w/Easement 1, Weliweli, Koloa, Kona	73.258	past	264.16
S-3692	August Aguiar	1/27/62- 1/26/82	Lot 1, Kapaa Agr. Lots, Kawaihau, Puna	66.28	past	3,301.00
S-3693	McBryde Sugar Co., Ltd.	1/27/62- 1/26/82	Lots 12-A-2 & 13-A, Hanapepe Rice & Kula Lots, Hanapepe Valley Waimea, Kona	4.04	agr	104.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3694	Shoichi Nagamine	1/27/62- 1/26/82	Lots 12-A-1, 12-B & 13-B, Hanapepe Rice & Kula Lots, Hanapepe Valley, Kona, Waimea	7.83	agr	\$ 190.00
S-3704	James K. Oshita	6/ 1/62- 5/31/82	Lots 11 & 12, Anahola Lots, Kawaihau, Koolau	1.42 1.00	past agr	51.00
S-3705	Manuel S. Andrade	5/ 2/62- 5/ 1/82	Lot 22, Wailua Rice & Kula Lots, Wailua, Lihue, Puna	8.28	past	200.00
S-3706	Waimea Sugar Mill Co., Ltd.	5/ 2/62- 5/ 1/82	Lot 61, Gov't. Remnant Ili of Halelopo, Waimea Valley, Waimea, Kona	7.41	cane	45.00
S-3707	Manuel Andrade, Jr.	7/ 1/62- 6/30/82	Tract 1, Hanapepe Valley Pasture Land, Waimea, Kona	45.24	past	198.00
S-3711	County of Kauai	11/15/62-11/14/2027	Gov't. Land at Hanapepe, Waimea, Kona, Kauai	10.426	cty	Gratis
S-3713	County of Kauai	11/15/62-11/14/2027	Abandoned WW II Underground tunnel at Puuopae, Waimea, Kekaha & Hanapepe Valley, Kauai		cty	Gratis
S-3733	Konko Kyo Church	2/25/63- 2/24/93	Lot 5, Hanapepe Rice & Kula Lots, Hanapepe, Kona	1.84	ele	240.00
S-3734	Tokiwa Shimonishi	2/25/63- 2/24/83	Lot 54-A, Hanapepe Town Lots, Waimea, Kona	0.10	bus	455.00
S-3735	McBryde Sugar Co., Ltd.	4/26/63- 4/25/83	Lot 9-A, Hanapepe Rice & Kula Lots, Waimea, Kona	7.23	agr	760.00
S-3736	Susumu Nakamura	4/26/63- 4/25/83	Anahola Gov't. Remnant, Parts 1 & 2, Kawaihau, Koolau	3.09	past	122.00
S-3737	Island Holidays, Ltd.	2/25/63- 2/24/83	Parcels C & F, Wailua Coconut Grove, Wailua, Kawaihau, Puna	15.69	rec	1,500.00
S-3795	Hawaiian Telephone Company	11/26/63-11/25/2013	Hanapepe and Puu Ka Pele, Waimea, Kona	1.00	r/w	172.00
S-3797	Richard & Concepcion Vidinha	11/25/63-11/24/88	Kalaheo Pasture Reserve B, Kalaheo Homesteads, 2nd Series, Koloa	9.85	past	60.00
S-3798	George B. Fernandes	11/26/63-11/25/83	Por. Gov't. (Crown) Land of Wailua, Kawaihau, Puna	13.23	past	75.00
S-3799	Hitoshi Miyabara	11/26/63-11/25/83	Lot 8, Hanapepe Rice & Kula Lots, Waimea, Kona	2.43	agr	97.20
S-3800	Noburo Munechika	1/25/64- 1/24/84	Lots 11 & 14, Hanapepe Rice & Kula Lots, Waimea, Kona, Kauai	2.930	agr	355.00
S-3801	Clarence K. Nonaka	1/25/64- 1/24/84	Lot 22, Hanapepe Rice & Kula Lots, Waimea, Kona	7.66	agr	150.00
S-3802	Hanako A. Duarte	1/25/64- 1/24/84	Lot 24, Hanapepe Rice & Kula Lots, Waimea, Kona	6.10	agr	725.00
S-3803	Yuku Ishida	1/25/64- 1/24/74	Lot 83, Anahola Lots, Kawaihau, Koolau	1.33	agr	90.00
S-3804	Toraji & Chuichi Oshima	11/26/63-11/25/83	Lot 68, Anahola Lots, Koolau	1.36	agr	256.00
S-3814	Olokele Sugar Co., Ltd.	4/13/64- 4/12/84	Gov't Lands, Sections A, B, C, & D, Hanapepe, Waimea, Kona	1,888.05	cane	37,900.00
S-3815	Joseph S. Brun & Joseph Rita	6/12/64- 6/11/84	Gov't. Lands, Section E, Hanapepe, Waimea, Kona	287.13	past	810.00
S-3816	Victor K. & Betty Givan	4/13/64- 4/12/84	Lot 153, Parts 1 & 2, Kapaa Homesteads, 2nd Series, No. & So. Oloheha Kawaihau	19.15	past	730.00
S-3827	East Kauai Water Co., Ltd.	5/11/64- 5/10/94	Drainage basins of North Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelea		wtr	90,000.00
S-3828	Lihue Plantation Co., Ltd.	5/11/64- 5/10/94	Por. Moloaa Forest Reserve, Papaa, Moloaa, Kawaihau	125.00	wtr	2,400.00
S-3829	Chiyeko K. Yoshii & Robert A. Lemn	5/11/64- 5/10/84	Lots 54, 55 & 67, por. 65, por. abandoned Maia Rd. & Lihue Plantation r/r r/w	4.64	agr	155.00
S-3830	Robert Y. & Shimayo Y. Hamamura	5/11/64- 5/10/84	Lots 8, 9 & 10, Anahola Lots, Kawaihau	2.21	agr	70.00
S-3831	Kauai Resort Hotel	5/18/64- 5/17/2029	Lot A-2, Parts 1 & 2, Wailua Resort Site, Lihue, Kauai	2.497	bus	10,500.00
S-3832	Ichiji & Masako Matsumura	5/18/64- 5/17/2019	Por. Gov't. (Crown) Land, Kapaa, Kawaihau	0.59	bus	1,890.00
S-3833	Aloha Papaya Co., Ltd.	5/18/64- 5/17/74	Por. Gov't. (Crown) Land, Kapaa, Kawaihau, Puna	1.10	ind	1,400.00
S-3840	Kauai Resort Hotel	7/ 6/64- 7/ 5/2029	Lot A-1, Wailua Resort Site, Wailua, Kauai	6.093	bus	18,000.00
S-3841	Wailua Beach Club & Cottage Hotel, Inc.	7/ 6/64- 7/ 5/2029	Lots B, C, D, E, Wailua Resort Site, Wailua, Kauai	22.833	bus	31,500.00
S-3842	Bank of Hawaii	7/ 6/64- 7/ 5/94	Lots 88-A & 88-B, Hanapepe Town Lots, Kauai	.452	bus	1,500.00
S-3852	U.S.A.	8/20/64- 8/19/2029	Bonham A.F.B., Waimea (Kona), Kauai	189.56	fed	Gratis
S-3863	Kauai County Y.M.C.A.	4/ 1/65- 3/31/2020	Lots 24 & 25, por. of Gov't. (Crown) Land of Waimea & Kokee Park, Kauai	3.607	rec	125.00
S-3876	Kilauea Sugar Co., Ltd.	1/11/65- 1/10/85	Former Koolau School Lot, Hanalei, Kauai	1.99	agr	50.00
S-3877	John M. Shimonishi	1/11/65- 1/10/85	Lot 6-A, Hanapepe Rice & Kula Lots, Kauai	0.95	agr	40.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3878	Ume N. Oshita	1/11/65- 1/10/85	Lot 80, Anahola Lots (H.H.L.), Anahola, Kawaihau, Kauai	2.357	agr	\$ 300.00
S-3879	Kauai Electric Co., Ltd.	1/11/65- 1/10/2030	Hanapepe Transformer Site, Waimea, Kauai	.017	r/w	26.00
S-3880	Olaf E. Thronas	1/11/65- 1/10/85	Lots 32 / 33, Wailua Rice & Kula Lots, Wailua, Kauai	13.830	past	120.00
S-3881	Samuel K. Thronas	1/11/65- 1/10/85	Lots 23-A & 23-B, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	19.405	past	500.00
S-3882	East Kauai Water Co., Ltd.	1/11/65- 5/10/94	Lot 39, Kapaa Homesteads, 1st Series, Kapaa, Kauai	0.36	res	100.00
S-3883	Charles B. Shimomura	1/11/65- 1/10/85	Lot 58-A, Hanapepe Town Lots, 1st Series, Hanapepe, Waimea, Kauai	.181	bus	350.00
S-3884	Alfred Akana	1/11/65- 1/10/2020	Lot 12, Nawiliwili Harbor Lots, Nawiliwili, Lihue, Kauai	.785	bus	2,000.00
S-3885	Manuel Andrade, Jr.	3/19/65- 3/18/85	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kauai	3.08	agr	528.00
S-3889	Edward C. Shota	1/25/65- 1/24/85	Lots 16, 17 & 18, Wailua, Rice & Kula Lots, Wailua, Kawaihau, Kauai	12.30	agr	501.00
S-3890	Minoru Sugita	1/20/65- 1/24/85	Lots 8-A & 8-B, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	8.43	agr	256.00
S-3892	Masao Takatsuki	1/25/65- 1/24/85	Lots 12, 13 & 14, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	6.15	agr	180.00
S-3893	Koon Chow Lai	1/25/65- 1/24/85	Lots 15 & adjoining Gov't. Land, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	16.85	agr	280.00
S-3894	Edward K. Taniguchi	1/25/65- 1/24/85	Lots 2, 3, 26-A, 27-A, 29-A, 30-A, Hanalei Homesteads, Hanalei, Kauai	13.53	past	315.00
S-3895	William E. Fernandes	1/25/65- 1/24/85	Lots 26, 27, 30 & 37, Hanalei Homesteads, Hanalei, Kauai	7.30	agr	150.00
S-3910	Betty Wakasa Ushigome	4/14/65- 4/13/85	Lot 54-B, Hanapepe Town Lots, 1st Series, Hanapepe, Kauai	.10	bus	240.00
S-3911	Kauai Electric Co.	4/14/65- 4/13/2030	Por. of Gov't. (Crown) Land of Wailua & por. of Gov't. Land of N. Oloheha & Waipouli, Lihue & Kawaihau, Puna, Kauai	26.42	r/w	515.00
S-3913	Samuel K. Thronas	4/14/65- 4/13/85	Lots 5 to 16, 5-A to 16-A, Hanalei Homesteads, Hanalei, (Halelea), Kauai	66.70	past	400.00
S-3914	Manuel Andrade, Jr.	4/14/65- 4/13/75	Lot 26, Hanapepe Rice & Kula Lots, Hanapepe, Kauai	7.93	past	45.00
S-3917	U.S.A.	2/ 1/65- 1/30/2030	Kokee Pacific Missile Range Facility, Waimea, Kauai	22.900	fed	600.00
S-3928	U.S.A.	9/ 1/65- 8/31/2030	Kokee, Waimea, Kauai	8.450	fed	Gratis
S-3937	County of Kauai	11/ 1/65-10/31/2030	Parcels A-1, G, H, I, J & K, Hanapepe, Waimea, Kauai	3.151	cty	Gratis
S-3939	Pacific Hawaii Fruit, Inc.	11/16/65-11/15/85	Lots 32-A, 33-A, 34-A, 35-A, 38 & 40, Kapaa Homesteads, 1st Series, Kapaa, Kawaihau (Puna), Kauai	4.75	agr	250.00
S-3940	McBryde Sugar Co., Ltd.	11/16/65-11/15/2030	60' wide non-exclusive easement over & across por. of Gov't. (Crown) Lands of Hanalei, Wailua & Kalaheo, Kauai	74.38	r/w	925.00
S-3941	Rehabilitation Unlimited, Kauai	11/16/65-11/15/2020	Parcel B, Wailua Coconut Grove, Wailua, Kawaihau (Puna), Kauai	0.813	bus	220.00
S-3942	Man-Kode Universal	11/16/65-11/15/2020	Lots 10-A & 11-A, Nawiliwili Harbor Lots, Nawiliwili, Lihue, Kauai	.697	bus	1,800.00
S-3943	Joseph H. Chu	11/16/65-11/15/85	Lot 19, Hanapepe Rice & Kula Lots, Waimea, Kauai	1.14	agr	36.00
S-3944	Pacific Hawaii Fruit, Inc.	11/16/65-11/15/85	Lots 40-A, 41-A, 64 & 65, Kapaa Homesteads, 1st Series, Kapaa, Puna (Kawaihau), Kauai	3.995	agr	57.00
S-3945	Leroy K.A. Aguiar	12/16/65-12/15/2000	Lot 35, Kapaa Homesteads, 1st Series, Kapaa, Kawaihau (Puna), Kauai	4.11	agr	600.00
S-3946	Pacific Hawaii Fruit, Inc.	12/16/65-12/15/85	Lots 2-B, 5 & 6, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna), Kauai	10.323	agr	655.00
S-3952	U.S.A. (Navy)	12/17/65-12/16/2030	Waimea, Kauai	248.220	fed	Gratis
S-3955	Joseph Prigge	3/19/66- 3/18/86	Lots 39-A & 52, Kapaa Homesteads, 1st Series, Kawaihau (Puna), Kauai	2.60	agr	48.00
S-3956	Pacific Hawaii Fruit, Inc.	3/19/66- 3/18/2001	Lots 39-A, 49 & 50, Kapaa Homesteads 1st Series, Kawaihau (Puna), Kauai	4.41	agr	150.00
S-3957	Joseph Julian & Eleanor L. De Costa	2/17/66- 2/16/2031	Kalaheo, Koloa (Kona), Kauai	.025	r/w	7.50
S-3958	Frank S. & Dorothy T. Morris	3/19/66- 3/18/86	Lot 33, Kapaa Homesteads, 1st Series, Kawaihau (Puna), Kauai	9.50	past	400.00
S-3959	Frank D. Silva	3/19/66- 3/18/86	Lot 3, Kapaa Rice & Kula Lots Kawaihau (Puna), Kauai	25.71	past	703.00
S-3960	Hitoshi & Hatsue K. Miyabara	2/17/66- 2/16/86	Lots 18 & 21, Hanapepe Rice & Kula Lots, Kona (Waimea), Kauai	6.983	agr	160.00
S-3969	Shigeo & Eleanor K. Takeuchi	5/26/66- 5/25/86	Lot 21-A, Hanapepe Town Lots, 1st Series, Waimea (Kona), Kauai	.148	bus	600.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3970	Manuel Andrade, Jr.	5/26/66- 5/25/86	Por. of Lots 27 & 28 & all of Lots 29 to 34, Hanapepe Rice & Kula Lots, Waimea (Kona), Kauai	22.65	past	\$ 90.00
S-3971	McBryde Sugar Co., Ltd.	5/26/66- 5/25/2031	Pasture Reserve C, Kalaheo Homesteads, 2nd Series, Koloa (Kona), Kauai	0.666	r/w	20.00
S-3972	Pacific Hawaii Fruit, Inc.	5/26/66- 5/25/86	Por. of Gov't. (Crown) Land between Kapaa Stream & Kapaa Homesteads 1st & 3rd Series, Kawaihau (Puna), Kauai	33.00	agr	140.00
S-3973	Leialoha Dung	5/26/66- 5/25/2031	Lot 25, Hanapepe Rice & Kula Lots, Waimea (Kona), Kauai	.174	r/w	6.50
S-3974	Patrick & Rosaline T. Lopez	5/26/66- 5/25/86	Lots 1, 23, 33-A, 34-A & 35-A, Hanalei Homesteads, Hanalei, Kauai	13.07	past	305.00
S-3975	Pacific Hawaii Fruit, 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), Kauai	26.72	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), Kauai	23.920	agr	300.00
S-3977	Richard Ueoka & Barbara J. Ueoka	5/26/66- 5/25/2021	Lot 23, Hanapepe Town Lots, 1st Series, Waimea (Kona), Kauai	.16	bus	248.00
S-3987	Peter H. & Helen H. Souza	8/ 1/68- 7/31/88	Lot 2-A, Kapaa Rice & Kula Lots, Puna, Kawaihau, Kauai	.987	past	126.00
S-3988	Joseph Texeira	7/14/66- 7/13/86	Portion of Government Land, Lots 20, 21, 22, 25, 26, 28 & 29-B, Kapaa Homesteads, 1st Series, Kawaihau, Kauai 4-6-03	18.110	agr	500.00
S-3989	Ronald T. Matsumura & Harry Fukushima	8/13/66- 8/12/86	Portion of Government Land, Kapaa Homesteads, 1st Series, Lot 36, Kawaihau, Kauai 4-6-05	6.240	agr	800.00
S-3990	Samuel Thronas	7/14/66- 7/13/86	Portion of Government Land, Hanalei Valley, Halelea, Kauai 5-3-01:3	461.600	past	1,691.00
S-3991	Frank S. Morris	7/14/66- 7/13/86	Portion of Gov't. Land, Kapaa Homesteads, 1st Series, Lot 13, 14, 15, 16, 30-A, 31, 31-A & 32, Kawaihau, Kauai	15,560	past	120.00
S-3992	A. Duncan MacLean	7/14/66- 7/13/2031	Portion of Government Land, Lawai, Koloa, Kauai 2-5-02	.037	r/w	18.00
S-3993	Ichiji Matsumura & Masako Matsumura	7/14/66- 7/13/2001	Portion of Government Land, Kapaa Homesteads, 1st Series, Lot 37, Kawaihau, Kauai 4-6-05	3.000	agr	630.00
S-3994	Joseph Texeira	7/14/66- 7/13/86	Portion of Gov't. Lands, Kapaa Homesteads, 1st Series, Lots 20-A, 21-A, 22-A, 23, 23-A, 24, 24-A, 25-A, 26-A, 27, 27-A, 28-A, 29-C, 30, Kawaihau, Kauai	14.090	agr	801.00
S-3995	Peter H. Souza & Helen H. Souza	7/14/66- 7/13/86	Portion of Government Land, Kapaa R & K Lots, Lot 2-A-2, Kawaihau, Kauai 4-5-15	10.562	agr	240.00
S-4021	Manuel J. Fernandes	11/17/66-11/16/86	Government Land & Spring Res., Kalaheo Homesteads, Kalaheo, Koloa, Kauai 2-8-67	1.760	past	48.00
S-4022	Hawaiian Telephone Co.	11/17/66-11/16/2031	Portion of Lot 2-A-2, Kapaa Rice & Kula Lots, Kawaihau, Kauai 4-5-15	.156	r/w	6.00
S-4023	T & Y	11/17/66-11/16/2021	Lot 9, Nawiliwili Harbor Lots, Nawiliwili, Lihue, Kauai 3-2-04:1	.618	bus	1,200.00
S-4030	Henry I. & Margaret K. Nosaka & Wallace K. & Mikie N. Karimoto	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.730	res	89.00
S-4031	William Alexander, Benjamin Alexander & Henry Alexander	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.920	res	118.00
S-4032	F.W. Broadbent, Dora B. Pratt & Alice B. Crabbe	1/ 1/66-12/13/75	Puu Ka Pele, Waimea, Kauai	1.020	res	117.00
S-4033	Craddock & Ruch H. Yorkman	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.900	res	103.00
S-4034	G.M. Coney, William H. Coney, Harvey A. Hutton, Malcolm G. Hutton & Clarissa G. Gerdes	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.790	res	101.00
S-4035	Yoshinari Shimatsu & Donald Shimatsu	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.99	res	107.00
S-4036	Elizabeth H. Middleton & Barbara H. Davis	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.070	res	144.00
S-4037	George K. Yamamoto & Katherine K.J. Yamamoto	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.910	res	104.00
S-4038	Richard Vierra & Kathleen Vierra, Joseph Vierra & Clara Vierra	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.030	res	125.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-4039	Bert O. Wade & Marian C. Wade	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.030	res	\$ 118.00
S-4040	Beverly P. Brun & Violet V. Prigge	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.030	res	111.00
S-4041	Joseph DeCosta, Sr. & Jean E. Nadatani	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.010	res	116.00
S-4042	Charles H. Hustace, Sr. & Diane M. Hustace	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.01	res	121.00
S-4043	Hawaiian Association of Seventh-Day Adventists	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.110	res	127.00
S-4044	Manuel & Mary B. Rivera	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.05	res	114.00
S-4045	Tsukasa Miyake & Mitsuyo U. Miyake	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.900	res	109.00
S-4046	Joaquin S. Arruda & Lucy C. Arruda	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.120	res	129.00
S-4047	Ah Wo Ahana & Hatsue Ahana, Calvin Tokita & Phyllis Tokita	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.08	res	124.00
S-4048	Valdemar Knudsen & Helen L. Knudsen	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	3.660	res	271.00
S-4049	Charles T. & Alice J. Wallis	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.050	res	86.00
S-4050	William A. & Marjorie I. Thiis	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.980	res	81.00
S-4051	John W. & Alice S. Anderson	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.960	res	85.00
S-4052	John S. & Helen E. Sheehan	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.810	res	62.00
S-4053	Charles A. & Rebecca R. Harker	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.790	res	68.00
S-4054	Hans W. & Anna J. Hansen	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.470	res	109.00
S-4055	Hong Min & Violet C.L. Hee	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	2.000	res	197.00
S-4056	W. Harwood Danford & Harwood Danford	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.820	res	140.00
S-4057	Willia Williamson					
S-4057	Howard D. Briner & Norma Briner	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.660	res	126.00
S-4058	Olen V. & Mildred P. Andrew	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.710	res	53.00
S-4059	John E. & Dorothy Ann F. Hance	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.840	res	73.00
S-4060	Patricia Smith Rice	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.900	res	138.00
S-4061	Juliet Rice Wichman	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.680	res	51.00
S-4062	John H.R. Plews	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.010	res	78.00
S-4063	Edith Rice Plews	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.460	res	126.00
S-4064	Satoru Kudaishi & Jean M. Kudaishi	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.770	res	54.00
S-4065	George R. Ewart, III	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.44	res	143.00
S-4066	Patricia Smith Hodgins	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.110	res	77.00
S-4067	Sterling E. & Bonnie C. Dunford	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.21	res	84.00
S-4068	Lindsay A. & Roberta I. Faye	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.80	res	69.00
S-4069	Alfred J. & Elizabeth K. Toulon & Wilfred J. & Anne K. Baldwin	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.960	res	83.00
S-4070	Thomas R. Gentry & Ada M. Gentry	1/ 1/66-	Puu Ka Pele, Waimea, Kauai	1.440	res	108.00
S-4071	Kathryn T. Dinham	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.07	res	85.00
S-4072	Arthur R. & Lois L. Glaisyer	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.290	res	25.00
S-4073	George G. & Mary D.C. Silva	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.530	res	39.00
S-4074	Edwin T. & Hong Lin W. Petteys	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.56	res	40.00
S-4075	Richard & Conception Vidinha	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.550	res	43.00
S-4076	Frank & Miriam G. Rita	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.670	res	53.00
S-4077	Joseph & Violet Rita	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.790	res	56.00
S-4078	Martin & Janine F. Reis	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.440	res	33.00
S-4079	John & Stella Rita, Jr.	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.580	res	47.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-4080	Ichiro Okada & Elsie H. Okada	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.530	res	\$ 43.00
S-4081	William R. Warren	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.200	res	83.00
S-4082	Richard Johnston & Beverly C. Johnston	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.420	res	105.00
S-4083	Kenji Ego & Winifred S. Ego	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.930	res	72.00
S-4084	Kathryn Hulme & Marie L. Habets	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.51	res	35.00
S-4085	Melvin P. Christian & Annie K. Christian	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.650	res	55.00
S-4086	Wilson M. Pang & Alice A. Pang	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.900	res	69.00
S-4087	Mina M. Marcellino	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.620	res	46.00
S-4088	John R. Laidlaw & Marguerita G. Laidlaw	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.690	res	48.00
S-4089	Irving A. Jenkins & Mary C. Jenkins	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.320	res	86.00
S-4090	Frank O. Ray & Laura Eloise Ray	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.400	res	35.00
S-4091	Joe T. Orrick & Betty W.S. Orrick	1/ 1/66-12/31/85	Kokee Camp site, Kauai	.31	res	29.00
S-4092	Samuel Thronas	2/16/67- 2/15/2002	Parcels A & B, Wailua Game Reserve, Wailua, North & South Olohana, Wai-pouli, Kapaa, Kawaihau, Kauai 4-2-91:1 & 4-4-01:1	1,855.000	past	2,030.00
S-4103	Hawaiian Association of Seventh-Day Adventists	2/14/68- 2/13/2033	Hanapepe, Waimea (Kona), Kauai	.91	ele	713.00
S-4128	Boy Scouts of America, Aloha Council	12/ 1/67-11/30/2022	Waimea Canyon Park, Waimea (Kona), Kauai	29.00	res	120.00
S-4132	F.W. Broadbent, Dora B. Pratt & Alice B. Crabbe	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.02	res	117.00
S-4135	McBryde Sugar Co.	11/29/67-11/28/2032	Waimea (Kona), Kauai	1.710	r/w	26.00
S-4140	W & N Corporation		Lihue (Puna), Kauai	22.16	ind	8,688.00
S-4142	Hawaii Conference, United Church of Christ	1/ 1/66-12/31/85	Kokee Camp site, Kauai	.500	res	35.00
S-4143	James D. Thain	1/ 1/66-12/31/80	Kokee Camp site, Kauai	1.030	res	89.00
S-4144	Donn A. Carswell & Gala F. Carswell	1/ 1/66-12/31/85	Kokee Camp site, Kauai	1.000	res	69.00
S-4145	Yasuo Watanabe	1/ 1/66-12/31/75	Kokee Camp site, Kauai	.830	res	64.00
S-4146	Manual S. Andrade, Jr. & Mae Andrade	1/ 1/66-12/31/75	Kokee Camp site, Kauai	.700	res	49.00
S-4147	Ginevra C. Waterhouse	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.500	res	35.00
S-4148	August & Eliz. H. Camara, Manuel & Pearl L. Camara, Ernest & Katherine P. Camara	1/ 1/66-12/31/80	Kokee Camp site, Kauai		res	41.00
S-4149	Manuel G. Silva & Placida Y. Silva	1/ 1/66-12/31/75	Kokee Camp site, Kauai	.560	res	40.00
S-4150	Ernest G. Silva & Marian H. Silva	1/ 1/66-12/31/85	Kokee Camp site, Kauai	.58	res	43.00
S-4151	Sam H. Tao & Dorothy M. Tao	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.590	res	46.00
S-4152	Joseph A. Soares & Margaret Soares	1/ 1/66-12/31/85	Kokee Camp site, Kauai	.540	res	40.00
S-4153	Conrado & Eufemia C. Edayan	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.47	res	34.00
S-4154	Waichi Ikeda & Elsa Y. Ikeda	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.42	res	36.00
S-4155	William M. Moragne, Jr., & Jean B. Moragne	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.970	res	112.00
S-4156	Hajime Takanishi & Kimiyo O. Takanishi	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.970	res	112.00
S-4157	Kimiyo O. Takanishi	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.13	res	122.00
S-4158	Virginia C. Rapoza & Emily C. Souza	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.060	res	145.00
S-4159	Hong Shin Hee & Lin Kiu Hee	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.990	res	107.00
S-4160	Maria K. Cox	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.950	res	112.00
S-4161	David T. Silver & Adele L. Silver	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.000	res	122.00
S-4162	Hawaii Methodist Union	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	3.050	res	371.00
S-4163	Hideo L. Nakamura & Shigeyo O. Nakamura	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.06	res	131.00
S-4164	Masako Y. Kitamura & Hisao Munechika	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.050	res	121.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-4165	Richard M. Hamada & Beatrice N. Hamada	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.030	res	\$ 120.00
S-4166	Manuel Perreira & Alga H. Perreira	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.820	res	94.00
S-4167	Wayne Sakai & Dennis M. Sakai	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.890	res	96.00
S-4168	Marvin A. Brennecke	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.040	res	140.00
S-4169	Arthur G. Kruse & Mary T. Kruse	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.000	res	121.00
S-4170	Shigeo Nitta & Hisako N. Nitta	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.850	res	103.00
S-4171	Joseph J. DeCosta, Jr. & Marjorie DeCosta	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.000	res	128.00
S-4172	Max F. Yamasaki & Lillian H. Yamasaki	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.000	res	121.00
S-4173	William E. Fernandes & Evelyn P.O. Fernandes	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.130	res	122.00
S-4174	William Vierra & Helen S. Vierra	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.120	res	129.00
S-4175	James K. & Shizue Okada, Yoshimasa & Edith Fujimura	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.150	res	140.00
S-4176	George A. Kruse & Martha S. Kruse	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.000	res	128.00
S-4177	Emily K. Zuttermeister	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.01	res	116.00
S-4178	Choshi Nakaya & Mitsuyo Y. Nakaya	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.050	res	128.00
S-4179	Seichi Yokoyama & Vera Yokoyama	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.950	res	115.00
S-4180	Ruth K. Kajiwaru	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.870	res	106.00
S-4181	Sutezo Makai & Hatsue I. Makai	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.790	res	96.00
S-4182	Mervin K. Kaohi, Sr. & Aletha Goodwin	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.900	res	103.00
S-4183	Henry T. Tanaka & Michie S. Tanaka	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.960	res	104.00
S-4184	Howard Naleimaile & Patricia Naleimaile	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.980	res	106.00
S-4185	Alec Blackstad & Agnes L. Blackstad	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.110	res	127.00
S-4186	Ichiro Inouye & Akiyo M. Inouye	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.000	res	128.00
S-4187	Harry I. Hamada & Agnes K. Hamada	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.820	res	89.00
S-4188	Lawrence E. Jordan & Cheryl M. Jordan	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.990	res	107.00
S-4198	Clinton Steele	8/ 1/68- 7/31/88	Puna (Kawaihau), Kauai	32.500	past	750.00
S-4199	Amfac, Inc.	11/26/68-11/25/78	Waimea (Kona), Kauai	5.883	ind	5,000.00
S-4200	William E. Fernandes	8/ 1/68- 7/31/2023	Kawaihau (Puna), Kauai	2.035	ind	825.00
S-4208	Richard O'Neal & Helen Olga, Hansen O'Neal	1/ 1/66-12/31/75	Lot 51, Kokee Camp site, Kauai	.58	res	50.00
S-4213	Elizabeth H. Buinac	1/ 1/66-12/31/75	Lot 79, Kokee Camp site, Kauai	.54	res	41.00
S-4214	Ruth K. Hanner	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	.72	res	89.00
S-4215	Lawrence Goodwin & Annie Goodwin	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.03	res	117.00
S-4221	Daniel H. Foster & Dorothea Foster	10/ 1/68-12/31/80	Puu Ka Pele, Waimea, Kauai	.97	res	120.00
S-4222	Kekaha Sugar Co., Ltd.	1/ 1/69-12/31/93	Waimea (including Hawaiian Home Land), Waimea (Kona), Kauai	27,833.57	cane	413,800.00
S-4240	University of Hawaii	4/25/69- 4/24/84	Wailua, Kawaihau (Puna), Wailua Rice & Kula Lots, Kauai	9.83	agr	Gratis
S-4243	Kauai Pacific Associates	5/13/69- 5/12/2034	Wailua Resort Site, Wailua, Lihue, Kauai	9.14	res	170,000.00
S-4244	Island Holidays, Ltd.	5/13/69- 5/12/2034	Parts 1 & 2 Wailua, Kawaihau, (Puna), Kauai	.09	res	730.00
S-4245	Hawaiian Trust Co. (will of Jean Faye)		Lot 40, Kokee Camp site, Kokee, Kauai	1.11	res	76.00
S-5007	University of Hawaii	6/ 1/67- 5/31/87	Lihue-Koloa Forest Reserve, Koloa, Kauai 2-4-09	.014	ele	Gratis

DIVISION OF STATE PARKS

Table 1. STATE PARK AREAS, ACREAGE AND USAGE, BY ISLAND AND AREA: 1952, 1968 AND 1969

Island and State Park Area	Year Estab.	Acreage, as of June 30			Recreation 1953	Visits (1,000s) ¹	
		1952	1968	1969		1968	1969
All State Park Areas	—	5,422.4	7,541.3	8,231.2	75.5	4,767	6,142
HAWAII	—	13.2	176.2	176.2	35.5	1,618	1,589
Akaka Falls State Park	1952	—	65.4	65.4	24	103	160
Hapuna Beach State Park	1967	—	4	4	—	138	135
Hikiau Heiau State Monument	1967	—	4	4	—	—	—
Hulihee Palace State Monument	1968	—	1.3	1.3	—	—	19
Kalopa State Recreation Area	1967	—	4	4	—	—	—
Kilauea State Recreation Area	1966	—	4	4	—	1	1
Lava Tree State Monument	1956	—	17.1	17.1	—	119	62
MacKenzie State Park	1955	—	13.1	13.1	3	62	44
Manuka State Wayside	1952	13.2	13.2	13.2	8.5	54	72
Mauna Kea State Park	1962	—	4	4	—	75	40
Wailoa River State Recreation Area	1954	—	66.1 ⁵	66.1 ⁵	—	455	517
Wailuku River State Recreation Area	1967	—	4	4	—	611	539
MAUI	—	9.1	23.2	23.2	5	658	815
Halekii-Pihana State Monument	1962	—	10.2	10.2	—	9	9
Iao Valley State Park	1961	—	3.9	3.7	—	346	478
Kaunahina State Wayside	1952	7.6	7.6	7.8	3.5	46	52
Kearae Valley State Wayside	1951	1.5	1.5	1.5	1.5	39	45
Launiupoko State Wayside	1965	—	4	4	—	123	145
Poli Poli Spring State Recreation Area	1957	—	4	4	—	—	—
Puaa Kaa State Wayside	1954	—	4	4	—	41	48
Wahikuli State Wayside	1969	—	4	4	—	—	—
Waianapanapa State Park	1966	—	4	4	—	53	38
MOLOKAI	—	—	233.7	233.7	—	—	—
Palaau State Park	1955	—	233.7	233.7	—	2	2
OAHU	—	—	178.1	178.1	—	400	807
Diamond Head State Monument ²	1962	—	145.3	145.3	—	—	—
Iolani Palace State Monument	1967	—	10.6	10.6	—	—	294
Keaiwa Heiau State Recreation Area	1955	—	7.2 ⁵	7.2 ⁵	—	216	269
Leahi Park (local)	1957	—	3.2	3.2	—	—	—
Puu O Mahuka State Monument	1962	—	4.0	4.0	—	—	—
Puu Ualakaa State Wayside	1957	—	4	4	—	184	222
Royal Mausoleum State Monument	1968	—	3.3	3.3	—	—	22
State Capitol	1969	—	—	100	—	—	—
Ulu Po Heiau State Monument	1954	—	1.4	1.4	—	—	—
Waahila Ridge State Recreation Area	1967	—	4	4	—	—	—
Washington Place State Monument	1966	—	3.1	3.1	—	—	—
KAUAI	—	5,400.0	6,932.0	7,620.0	35	2,488	2,929
Kokee State Park	1952	4,640.0	4,640.0	4,640.0	20	441	449
Na Pali Coast State Park	1962	—	4	4	—	2	4
Poli Hale State Park	1967	—	4	4	—	—	—
Wailua River State Park ³	1954	—	425.5 ⁵	1,113.6	—	1,376	2,166
Waimea Canyon State Park	1952	760.0	1,866.4	1,866.4	15	270	310

¹ Estimated visits, one visitor may account for more than one visit. For years ending June 30. Not available before 1953.

² Includes Na Laau Arboretum (1958; 9.5 acres).

³ Includes Wailua River Reserve (1956; 297.4 acres and 1969; 586.8 acres); Kaumualii (1956; 3.4 acres and 1968; 0.5 acres), Fern Grotto (1956; 4.8 acres and 1965 9.8 acres), Boat Basin (1962; 11.4 acres), Poliahu (1962; 59.0 acres, 1965; 0.1 acres, 1969; 103.2 acres), Lydgate (1962; 39.2 acres re-estab., 1969; 37.2 acres).

⁴ Acquired jurisdiction; no definite boundaries yet established.

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

Table 2. STATE PARK REVENUES, BY SOURCE, 1969.

Income Source	Amount
Total	\$83,038.47
Rentals, recreation residence lots, Kokee and Waimea Canyon State Parks, Kauai	29,686.49 ¹
Rentals, vacation cabins and lodgings, State operated, all parks	23,040.93
Lease of concessions, Kokee and Wailua River State Parks, Kauai	25,030.64
Sale of water, all parks	3,882.10
Sale of electricity, Wailoa River Recreation Area pavilions	1,114.86
Commissions and Sales, miscellaneous, all islands	283.45

¹ Reflects adjusted rental from January 1965 to June 30, 1969

Table 3. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS, EXPENDITURE AND REVENUES BY YEARS—1952-1969

Year ¹	Number of Areas	Acreage ³	Estimated Recreation Visits	Operating Cost Per Visit	Expenditures in Dollars			Program Revenues
					Total	Operating	C.I.P. ²	
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	8,361	6,142,000	7.8¢	2,820,857	479,371	2,341,486	83,038

NA —Not available.

¹ Year ended June 30.

² Capital improvement program, including land acquisition.

³ Parks for which boundaries are not yet established are not included.

STATE PARK PUBLICATIONS

HAWAII STATE ARCHAEOLOGICAL JOURNALS

68-1 THE ARCHAEOLOGY OF NORTH KONA
from the ahupua'a of Kealakehe to the ahupua'a of Puukala
Archaeological Surface Survey
By: Francis Ching, Jr. & Paul Rosendahl

68-2 THE ARCHAEOLOGY OF NORTH KOHALA
the ahupua'a of Lapakahi
A progress report on archaeological research
By: T. Stell Newman

68-4 THE ARCHAEOLOGY OF THE STATE OF HAWAII
UNIFORM RULES AND REGULATIONS
Francis Ching, Jr., Ed.

69-1 THE ARCHAEOLOGY OF KONA
the ahupua'a of Pauoa
Preliminary Excavation at Hale Akala
By: Michael D. Seelye

69-2 THE ARCHAEOLOGY OF NORTH KOHALA
the ahupua'a of Lapakahi
Excavations of Lapakahi—Selected Papers
Richard Pearson, Ed.

Pamphlet—"Monarchy Promenade, A Walking Tour"
Edited reprint

Pamphlet—"What's So Special about this Plain Yellow Flower?"
(concerning Diamond Head National Natural Landmark)
John Shklov

DIVISION OF WATER AND LAND DEVELOPMENT

Table 1. STATUS OF FLOOD CONTROL INVESTIGATION STUDIES AND PROJECTS

A. Investigation Studies of Flood Control Projects

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

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

B. Construction of Flood Control Projects

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

Project	Authority
Puukapu Watershed, Hawaii**	P.L. 83-566 as amended
Kona Watershed, Hawaii**	"
Waianae Watershed, Oahu**	"
Kuliouou Stream, Oahu*	Sec. 205 of the 1948 Flood Control Act as amended

C. Flood Plain Information Study and Flood Mapping

1. Under the authority of Section 206 of P.L. 86-645 as amended, the Corps of Engineers has completed flood plain information studies which outline the flood problems, show the extent of flooding and provide guidelines to regulate land use in a flood plain to reduce flood damage. The following areas are being studied.

Kaaawa, Oahu
Anahola, Kauai
Kihei, Maui
Waialua, Oahu

2. Under a cooperative agreement between the State of Hawaii and the U.S. Geological Survey, the Survey is mapping the limits of known floods and is providing hydrologic data. The mapping of the following projects is being prepared.

Waiahole-Waikane, Oahu
Waimanalo, Oahu
Makaha, Oahu
Punaluu-Hauula, Oahu

*Corps of Engineers
**Soil Conservation Service

Table 2. WAIMEA-LALAMILO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1968					
July	7,318,220	195	\$ 438.75	\$ 522.27	\$ 961.02
August	13,180,730	195	438.75	895.14	1,333.89
September	8,622,750	196	441.00	607.92	1,048.92
October	9,311,410	196	441.00	652.57	1,093.57
November	9,271,320	196	441.00	646.99	1,087.99
December	981,810	196	441.00	76.75	517.72
1969					
January	1,267,350	196	441.00	94.77	535.77
February	3,744,660	196	441.00	271.72	712.72
March	8,214,710	196	441.00	580.39	1,021.39
April	4,566,740	196	441.00	327.10	768.10
May	11,795,900	190	427.50	809.31	1,236.81
June	10,338,620	190	427.50	717.71	1,145.21
Total	88,614,220		\$5,260.50	\$6,202.64	\$11,463.14

Table 3. MOLOKAI IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1968					
July	21,999,000	5,513	\$ 5,508.55	\$ 5,180.88	\$ 10,689.43
August	33,687,000	5,904	6,031.45	2,712.16	8,743.61
September	59,711,000	5,904	5,930.45	6,269.04	12,199.49
October	22,874,000	5,983	6,101.10	2,883.84	8,984.94
November	43,068,000	6,782	7,982.65	4,545.76	12,528.41
December	9,477,000	6,711	7,571.49	944.24	8,515.73
1969					
January	3,158,000	7,150	7,205.75	498.72	7,704.47
February	4,442,000	7,165	7,240.75	504.48	7,745.43
March	5,885,000	7,179	7,237.65	477.92	7,715.57
April	5,053,000	7,027	7,070.45	323.28	7,393.73
May	19,322,000	7,036	7,089.15	1,709.20	8,798.35
June	27,981,000	6,770	6,788.30	4,902.24	11,690.54
Total	256,657,000		\$81,757.94	\$30,951.76	\$112,709.70

Table 4. WAIMANALO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1968					
July	21,828,211	904.208	\$2,260.65	\$ 1,746.24	\$ 4,006.89
August	22,127,099	904.208	2,260.65	1,770.17	4,030.82
September	17,184,888	904.208	2,260.65	1,374.79	3,635.44
October	9,972,394	921.208	2,274.36	797.80	3,072.16
November	8,137,344	921.208	2,303.15	651.00	2,954.15
December	—	921.208	2,303.15	—	2,303.15
1969					
January	1,570,714	921.208	2,303.15	125.65	2,428.80
February	1,433,529	921.208	2,303.15	114.69	2,417.84
March	6,850,873	921.208	2,303.15	548.06	2,851.21
April	10,202,059	921.208	2,303.15	816.15	3,119.30
May	10,797,653	921.208	2,303.15	863.80	3,166.95
June	16,933,162	921.208	2,303.15	1,354.67	3,657.82
Total	127,037,926		\$27,481.51	\$10,163.02	\$37,644.53

