

1967-1968 REPORT TO THE GOVERNOR

**DEPARTMENT OF LAND
AND NATURAL RESOURCES**

STATE OF HAWAII

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1967-1968
REPORT
to the Governor

July 1, 1967 to June 30, 1968
(inclusive)
Honolulu, Hawaii
January, 1969



Famous Kalalau Valley on the Island of Kauai is a perfect example of the remote and relatively untouched natural resources of the State which must be reserved through proper conservation measures for the future enjoyment of the people.

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 7, 1968

The Honorable John A. Burns
Governor of Hawaii
Iolani Palace
Honolulu, Hawaii

Dear Governor Burns:

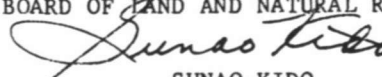
I take great pleasure in submitting herewith the Annual Report of the Department of Land and Natural Resources for 1967-1968.

There were a number of major changes in the membership of the Board of Land and Natural Resources during the year. Mr. Richard Summers retired after eight full years as a member, and his place was filled by appointment of Mr. Newton Miyagi as a Member-at-Large. Mr. Jim P. Ferry resigned as Chairman and Member at the end of April to return to private business after more than four years of service. Your correspondent, after temporarily filling the position during the interim period, was appointed as Member-at-Large and Chairman of the Board on June 29, 1968. These changes in Board membership have not significantly changed the policy direction of the Board.

During the past year, the Board and the Department, in response to the broad policy direction of the Administration, continued to press forward with active programs for development, enhancement, and conservation of our natural resources to meet the rapidly expanding needs of the people. Particular emphasis was placed on development and improvement of sites and resources especially suited for recreational demands of both the resident and visitor population of the islands. The growing requirements of industry, agriculture, and the domestic and resort sectors for high quality water have accelerated studies and research into water resources and have also intensified the expansion and improvement of transmission and distribution facilities. We firmly believe that our programs fully support the expanding population and growth of agriculture and industry as required in your outline of Statewide objectives.

I should like personally to bring to your attention, and to commend the staff and personnel of the Department for their cooperation and attention to duty both before and since I assumed this position. With continued guidelines from your office, and with firm direction here, we will continue to carry forward our vital programs for the benefit of the State.

Respectfully submitted,
BOARD OF LAND AND NATURAL RESOURCES


SUNAO KIDO
Chairman and Member



BOARD OF LAND AND NATURAL RESOURCES

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

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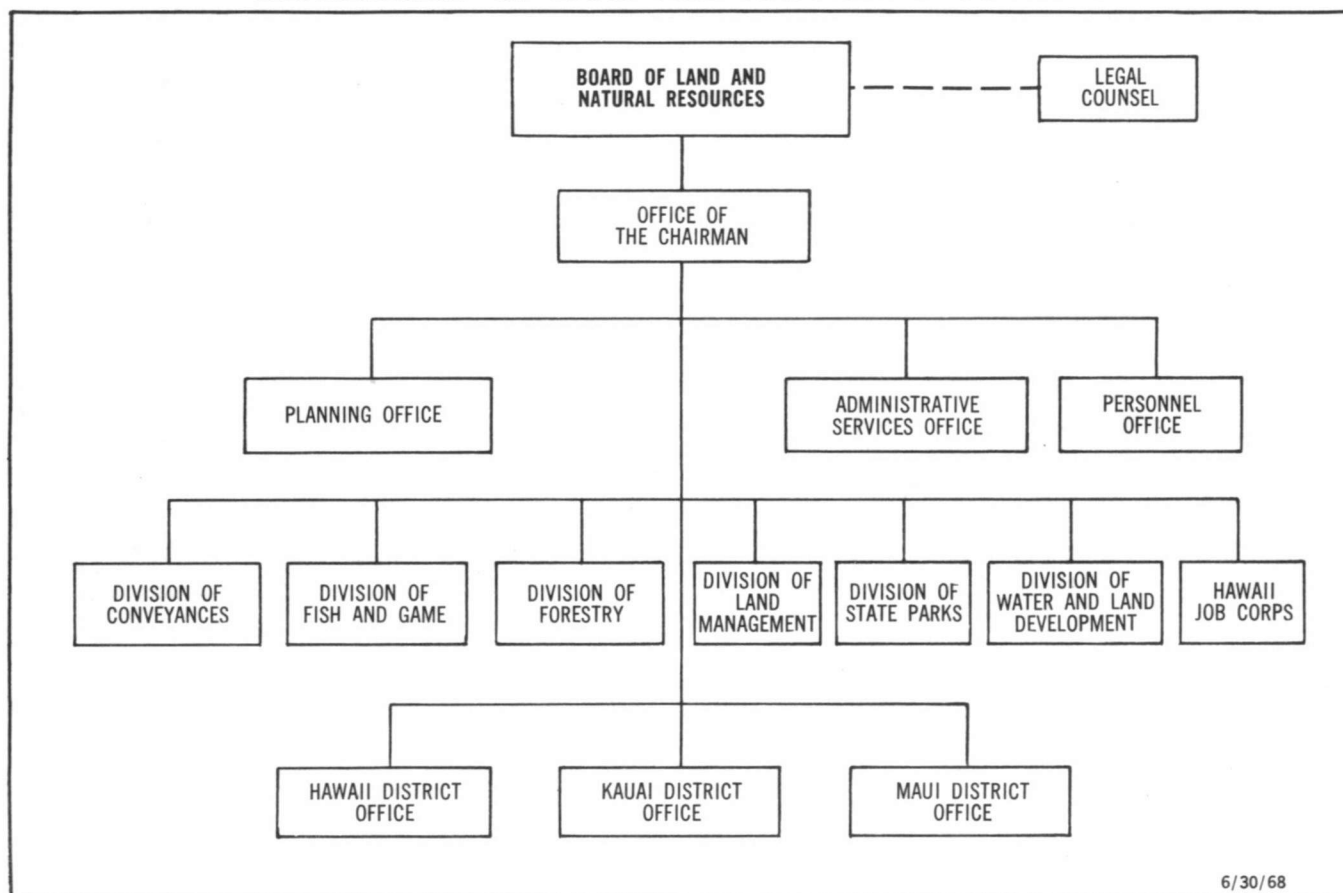
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SECTION 1

Office of the Chairman

Sunao Kido, Chairman

ORGANIZATION CHART DEPARTMENT OF LAND AND NATURAL RESOURCES



6/30/68

The Department of Land and Natural Resources, in conformance with the provisions of Article IX of the Hawaii State Constitution and applicable statutes, is primarily responsible for control, administration, management, and protection of the natural resources of the State. The myriad duties of the department in meeting these obligations are carried out by three staff offices and seven operating divisions. Broad policy guidance and administrative control of the program functions of the department and its offices and divisions are provided directly by the Chairman of the Board and ultimately by the executive Board of Land and Natural Resources.

The Board of Land and Natural Resources 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 each of the four Land Districts of the State. The appointive term of office for members is four years, and no member of the Board may 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 and Department to the Office of the Governor and to the Legislature; and serves also as the full-time Executive Officer of the Department. Certain powers and authority are vested in the position by statute; and in addition, the Chairman is authorized by law to carry out such duties and to exercise such power and authority as may be legally delegated him by the Board.

There were a number of significant changes in the

composition of the Board during the period. Mr. Richard L. Summers, Member-at-large, completed a full eight years as a member and retired from the Board on June 22, 1967. Mr. Newton Miyagi, Member-at-large, was appointed on June 30, 1967, to take the place vacated by Mr. Summers. Mr. Jim P. Ferry, Chairman and Member-at-large, resigned on April 30, 1968, after more than four years of service and returned to private business. Mr. Sunao Kido, Deputy to the Chairman, was appointed temporary Member and Acting Chairman on May 2, 1968, and further appointed Member-at-large and Chairman of the Board on June 29, 1968.

LEGISLATION

Three specific Acts and a number of Resolutions passed by the 1968 Legislative Session have some effect on the functions and operations of the department and its operating divisions. The Acts generally make changes in the laws affecting management of State lands and in fish and game functions. The Resolutions generally provide guidance to the Department for conduct of studies and for some of the operations of the programs now being carried on; and with one exception, they have relatively minor effect on the overall conduct of programs with the Department.

Act 68 however, the so-called "developer's bill," amends Chapter 103A-56.1 of the Revised Laws of Hawaii 1955, as amended, and provides that the Department of Land and Natural Resources under certain circumstances and with prior approval of the Governor and the Legislature may negotiate with private developers for development of areas of State lands for use in agricultural, residential, industrial, business, or hotel and resort development projects. This legislation provides the Board with greatly increased flexibility in dealing with problems of development of State lands to meet the needs of the expanding economy.

PROGRAMS

The Chairman and members of the Board have continued during the past year to emphasize development and conservation of the natural resources of the State (land, water, forestry, and recreation) to meet the rapidly growing needs of the population of the State of Hawaii. This great interest in effective development is expressed in the broad range of programs which have been initiated or are being actively carried on throughout the State.

Major emphasis has been placed on administration of the provisions of Chapter 19-70 of the Revised Laws of Hawaii 1955, as amended, and on Regulation 4 of the Department relating to permissible land use within Conservation Districts in the State. Effective and equitable administration of this law and of the regulations are essential to the protection of the upland forests and watershed areas of the State.

The first Marine Conservation District in the State was established at Hanauma Bay on the island of Oahu to protect this unique marine environment from destructive fishing, removal of coral and other materials, and from other wanton and destructive acts. Active programs were initiated, in cooperation with the

Bernice P. Bishop Museum and the University of Hawaii, for location, preservation, and interpretation of numerous historic and cultural sites throughout the State; including a number of significant archaeological investigations.

The recreational needs of island residents and visitors alike are recognized in the development and opening of the new Visitor Center in the Wailoa River State Park near Hilo and in the initiation of development work at the important Hapuna Beach State Park at Kawaihae. A great deal of time and effort has been expended by the Department in expansion and improvement of the State Parks system throughout all of the island communities of the State.

Timely development of adequate supplies of water is a major responsibility of the Department. Effective action in this area was effectuated with the completion of the first phase transmission line and distribution system of the Molokai Irrigation project and with the development of the major transmission line for the Kona Water System on the island of Hawaii.

The ultimate development of the Waimanalo Core Project advanced another significant step during the past year with the completion of the Waimanalo Sewer Treatment Plant, which is essential to this project. The need for small industrial sites in the Honolulu area was at least partially alleviated through the completion of the Shafter Flats Industrial Subdivision and sale of long-term leases to local business concerns.

The Board and the Department, in keeping with their deep interest in conservation of natural resources, were host in Hawaii to two major conservation agencies in the United States — the 37th Annual Convention of the National Reclamation Association; and, the 47th Annual Conference of the Western States Fish and Game Commissioners. In all, a total of more than 1500 visitors were involved in the two conferences; and the Department not only acted as host but also provided administrative and clerical backup for these organizations prior to, during, and following the specific conference periods.

Administrative Services Office

ADELINO COITO

Departmental Fiscal Officer

The Administrative Services Office provides essential support and staff functions for the operating Divisions of the Department and also provides close staff support for the Chairman and the Board of Land and Natural Resources.

Primary functions of the office include such critical operations as centralized purchasing, receipt and accounting of funds, budget preparation for operating funds, expenditure controls for all funds including operating and Capital Improvements, maintenance of accounts and records, inventories, and fiscal reporting.

This office computes and develops payrolls for the entire Department of Land and Natural Resources and also computes and completes reports of Federal Fund reimbursements for all Divisions receiving Federal aid or grants. Monies are collected and deposited for various other Departments of the State government; such as the Department of Taxation, Department of

Transportation, and the Department of Hawaiian Homes Lands, and reports issued to these agencies for their fiscal records.

The staff of the office prepare various reports, detailed analyses and recommendations, and advise the Chairman, Board members, and Division staff on problems of fund management and control within the Department.

Planning Office

PAUL T. TAJIMA

Program Planning Coordinator

The principal functions of the Planning Office are to provide basic support to the Chairman and the members of the Board and to provide guidance and aid to the operating Divisions of the Department in the planning and conduct of their programs and projects.

This office, under the broad administrative and policy direction of the Chairman, has responsibility for conduct of long-range planning in coordination with staff of the operating Divisions; for determination of goals and objectives of the department; and for establishing priorities for development of programs to achieve those goals. The office is also responsible for coordinating comprehensive departmental program planning for resource management, conservation and for development and utilization of the natural resources of the State; and for coordination of the departmental capital improvement programs by consulting with department staff to determine organization, staffing, budget, and other administrative needs in providing for new activities.

The staff of the Planning Office also aid in conduct of studies on the economic feasibility and other critical factors of land development projects, recommend development concepts and design criteria, and propose alternative solutions to development problems. Additional responsibilities include coordination of and involvement in studies of land use and land values, review of land appraisal reports, and coordination of land use and appraisal studies with other public and private agencies and organizations.

The Planning Office also coordinates preparation of, and at times prepares public information releases and other reports relating to the activities of the Department, and also maintains a central file of books, publications, and other published materials relating to natural resources and development programs of the State.

The "Land Use Law," Act 187, as modified by Act 205, places the control and administration of lands within the Conservation Districts in the Department of Land and Natural Resources. The boundaries of all Districts were adopted by the Land Use Commission in August 1964. Subsequently, Regulation No. 4 of the

Department of Land and Natural Resources, providing for land use regulations within the Conservation Districts, was adopted by the Board of Land and Natural Resources in October 1964. The Planning Office has since expended great effort and time in administering this Regulation on behalf of the Department and in coordinating the implementation of the regulations with Federal, State, and County agencies, other public and private organizations, and with the operating Divisions of the Department.

Personnel Office

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 the seven operating Divisions and two Staff Offices, utilizing temporary clerical help during peak activity periods. The staff provides advice and assistance to the Chairman and to departmental personnel in specialized areas; such as position classification, employee relations, and employee training and development; maintains a centralized system for processing, recording, reporting, and filing personnel transactions and payroll records; and prepares recommendations for policies and procedures for personnel control. There were, on June 30, 1968, a total of 432 full-time employees in the Department, including employees of the Hawaii Job Corps Center.

The staff continued during the period of report to provide personnel and management services to the Neighborhood Youth Corps (NYC) programs and also to the "Operation Mainstream" program (Nelson Amendment Program) conducted by the State Parks Division. During the peak summer months, a total of 224 student workers were employed by the combined Divisions of Fish and Game, Forestry, and State Parks.

Major efforts of the staff were expended in implementation of the "Blue Collar Compensation Plan" established by Act 72/1968, which affected a total of 132 employees covered by 30 different work classes within the Department. Exceptional effort and time was also required by the implementation of the reclassification of engineer classes. The cases of twenty-four individuals were reviewed and eight were reclassified.

Seven employees of the Department (four permanent, two limited term, and one Job Corps employee) were called into service during the National Guard federalization in May 1968. All proper records and files were prepared for each individual and forwarded to the Department of Personnel Services.

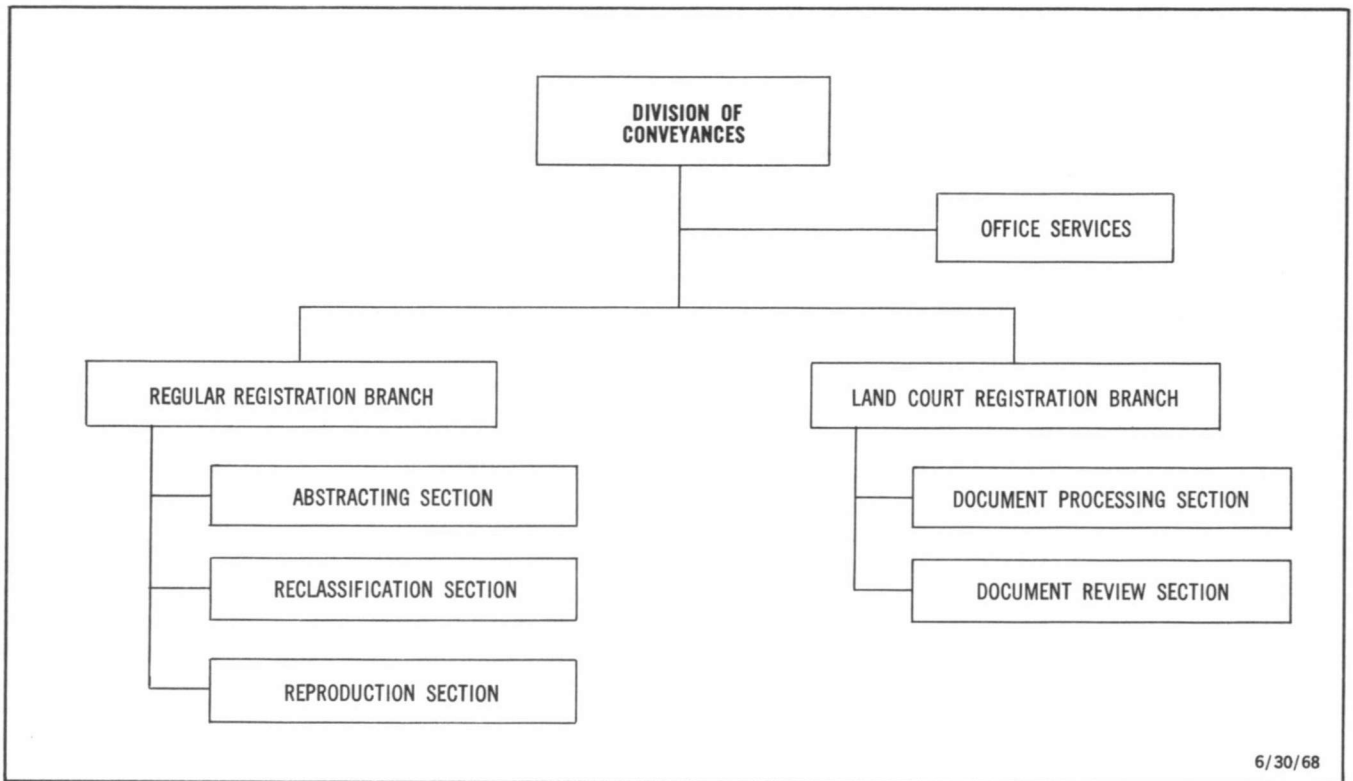
The position of Personnel Officer remained vacant during the entire period.

SECTION 2

Division of Conveyances

MICHIKI ADACHI, Registrar of Conveyances

ORGANIZATION CHART — DIVISION OF CONVEYANCES



The principal functions of the Division of Conveyances are to receive, file, index, and record all legal documents affecting land titles in the State of Hawaii and all other legal documents of any kind which may be entitled to recordation. The division is also responsible for the preservation and protection of all records and files within the Division, as well as for the preparation and issuance of certified copies of any matter on record.

This Division is the sole agency within the State authorized to record land title documents. Due to differing legal and procedural requirements and to provide adequate administrative control and management of processing operations, the general functions of the Division are divided into two general groupings of Regular Registration and Land Court Registration.

The Regular Registration Branch is primarily concerned with processing of deeds, mortgages, maps, and all legal documents entitled to recordation; indexing of file plans and condominium maps; preservation, protection, and maintenance of an orderly reference to all of the records held within the Division; and with preparation and issuance of certified copies of any matter on record.

Passage of Act 18, Session Laws 1968, placed an additional duty on the Registrar to provide, upon request of any person, his certificate showing whether there is on file an effective financing statement or statement of assignment thereof against a particular debtor. The fee for such a certificate issued is \$1.00. Total fees collected for this service in FY 1967-1968 amounted to \$761.00. Since the fee is nominal, this office created a card system to save time and still be accurate as possible on Uniform Commercial Code recordings. When certificates are requested, this file is used.

The Land Court Registration Branch, which acts under statute as an agent of the State Land Court, has direct responsibility for filing, indexing, and processing legal documents, orders, and maps on real property and condominiums within the State. The Branch prepares and issues certificates of title certifying ownership and outstanding encumbrances affecting property. Here also rests responsibility for preservation, protection, and maintenance of an orderly reference to all the original documents held in file within the Division, and preparation and issuance of certified copies of such upon request.

LEGISLATION

No new legislation was submitted by the Bureau although legislation passed in prior years continued to increase the work in certain areas.

Under the Uniform Commercial Code, we processed 15,464 recordings and 761 information requests during the past fiscal year.

Act 293/1967 amended Chapter 128A of the Revised Laws of Hawaii 1955, as amended. This change eliminated the necessity for filing a conveyance tax affidavit. In its place, a conveyance tax certificate signed by any one party in the document is sufficient. For Fiscal Year 1967-1968, 29,908 tax certificates were processed.

The conveyance tax collected by the Bureau amounted to \$263,143.85, which represents \$528,972,370.00 in valuation of property transferred. The Bureau continued to implement the conveyance tax law for the Department of Taxation for the convenience of the public.

MICROFILMING

The Division continued to microfilm the current Regular Registration Branch daily documents on its Recordak Planetary Microfilm Camera. It also continued making reduced size visual prints on its Bruning Copytron 2000R machine.

The current recordings in the Regular Registration, placed on 35mm film, amounted to 140 rolls of film which represents 406 libers.

The Bureau is continuing to microfilm old libers accumulated prior to the acquisition of its microfilm equipment. To date, 1,847 libers of a total of 4,542 libers have been filmed. This work is being carried out in addition to daily microfilming of the current work, which this past fiscal year showed an increase of 14,030 documents over the previous fiscal year.

Based on the progress made the past two fiscal years, the balance of the old libers should be completed within the next three years, if all goes well. Continued progress

in this program is providing the State with security copies of the Regular Registration records.

Due to the continued progress of our microfilm program, the Bureau was able to sell copies of recorded and filed documents with a return of \$9,083.00. We were also able to supply other Federal, State, and County agencies a total of 6,510 pages of records. This represents a savings of 65,100 hours of work for these agencies at an estimate of 10 minutes to type and proofread each page. The accuracy of machine-produced prints against typewritten copies is unquestionable.

During this past fiscal year, a microfilm contract was initiated for the Land Court documents. Bell & Howell Company, the successful bidder, was awarded the contract at a cost of \$.0346 per page. This contract provided 494 rolls of microfilm representing Documents 1 to 159250. The 159,250 documents are currently filed in 31 five-drawer legal cabinets occupying 116 square feet of space.

The 494 rolls of 35mm microfilm, which these films represent, occupy an area of less than 6 square feet of floor space. We eventually hope to provide permanent storage space for the original documents elsewhere and to utilize the space for other purposes. These microfilms provide, for the first time, security copies of the records of the Land Court documents within the Bureau.

MISCELLANEOUS

Condominium maps filed in the Regular Registration amounted to fifteen, representing 745 units. In the Land Court, maps filed amounted to seven representing 714 units.

Approximately 365 visitors received orientation this past fiscal year. This orientation program, which was initiated three years ago, has saved untold hours for this office, in that real estate personnel are able to help themselves in finding desired information.

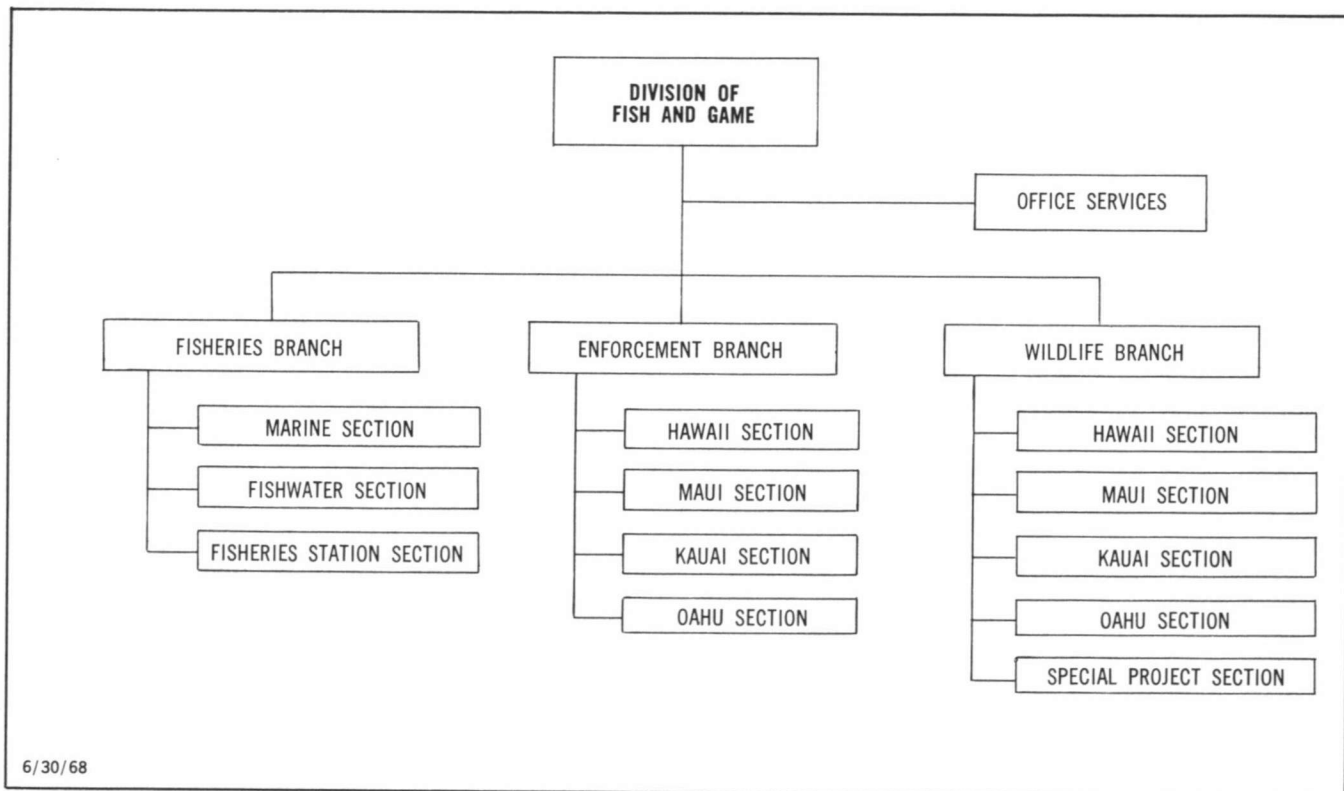
There were no major personnel changes during this fiscal year.

SECTION 3

Division of Fish and Game

MICHIO TAKATA, State Fish and Game Conservationist

ORGANIZATION CHART — DIVISION OF FISH AND GAME



The 1967-1968 year was an eventful one for the Division of Fish and Game, highlighted by the hosting of the 47th Annual Conference of the Western Association of State Game and Fish Commissioners in Honolulu, July 16-20, 1967. Division staff assumed a major role in planning, development, and coordination of the conference. Delegates from the 13 Western States and one Canadian Province, which comprise the membership of the association, and representatives from interested states, provinces and federal and private conservation agencies provided an enrollment of 350 persons. The conference was a tremendous success.

In carrying out its function of effectively developing and managing the State's fish and wildlife resources in order that they may yield maximum sustained benefits to the State and its people, the Division made progress in all of its major activities. Noteworthy among the accomplishments and events in which the division played a significant part were the inauguration of a marine patrol program on Oahu; the opening up, by the U. S. Navy, of a portion of the Kahoolawe surface danger zone to fishing; and the establishment of the first marine

life conservation district at Hanauma Bay, Oahu. These and other activities are described below in the programs of the three operating branches of the division.

LEGISLATION

Five legislative measures affecting this division were adopted during the 1968 Session of the State Legislature.

Senate Resolution 11 requests the Governor to appoint a committee to prepare a program for the preservation of scientific areas in the State of Hawaii. Since the purpose of the preservation of scientific areas is to provide for scientific research, education, and aesthetic enjoyment of Hawaii's unique flora and fauna and unusual geological and archeological features as well as to preserve critical habitat areas for our native wildlife species, this program will have a significant impact on the State's efforts toward the preservation of its rare and endangered wildlife species.

Senate Resolution 78 requests the Division of Fish and Game to determine the economic studies required for evaluating the sport-fishing potential of the State.

An economic evaluation is needed since the dollar value of sportfishing and its impact on the State's economy should have some bearing on how fishery resources should be utilized.

House Resolution 108 requests a Department of Land and Natural Resources study of the feasibility of having the Legislature grant it general regulatory power over activities relating to mammals, birds, and fishes to be exercised independently for each county, and to have an advisory committee established in each county to advise the Department. This proposal is being evaluated.

Act 23 amends Section 21-63, RLH 1955, relating to the use of nets and traps, by providing that no akule measuring less than 8½ inches in total length may be taken with a net during the months of July, August, September, and October. This will prevent the mass capture of young akule during their seasonal runs into bays, harbors, and other protected waters and permit them to grow to a larger size before harvesting.

Act 28 amends Act 193, SLH 1955 (now Part IIIA, Chapter 21, RLH 1955, as amended) by eliminating the requirement that a Federal subsidy under the United States Fishing Fleet Improvement Act (P.L. 88-498) of 1964 be a condition precedent to qualification for a loan under the Hawaii Fisheries New Vessel Construction Loan Program. This amendment makes it possible for a fisherman to apply for a direct State loan without a Federal subsidy which is exceedingly difficult to obtain.

Fisheries Branch

The primary objectives of the fishery program are to maintain Hawaii's aquatic resources at a level of abundance that would provide maximum sustainable yields and to manage the utilization of these resources for the greatest possible benefit to Hawaii as a whole. The development and management activities of the Fisheries Branch are concerned with maintaining, improving, and expanding both recreational and commercial fishing opportunities.

FRESH WATER FISH INTRODUCTION AND STOCKING

Year-round fishing for tucunare introduced from South America was legalized in November, 1966; and it has since become an important addition to the list of fresh water gamefishes available in Hawaii. People who have successfully fished for tucunare were virtually unanimous in their praise of the sporting and eating qualities of the species.

To further disseminate this species throughout the State, fingerlings and adults were collected this year from the Wahiawa Public Fishing Area and stocked in selected bodies of water on Maui, Hawaii, and Molokai. A number of fish were shipped to the Territory of Guam as part of a cooperative exchange program.

Hatchery facilities installed at the Keehi Fisheries Station were augmented this year with a circular fiberglass rearing tank. This tank permits a significant extension of the post-hatching rearing period for rainbow trout.

The facilities were operated during the months of March through June with a production of some 78,700 fingerlings hatched out of imported eyed-eggs. All of these fingerlings were released into streams of the Kokee Public Fishing Area on Kauai.

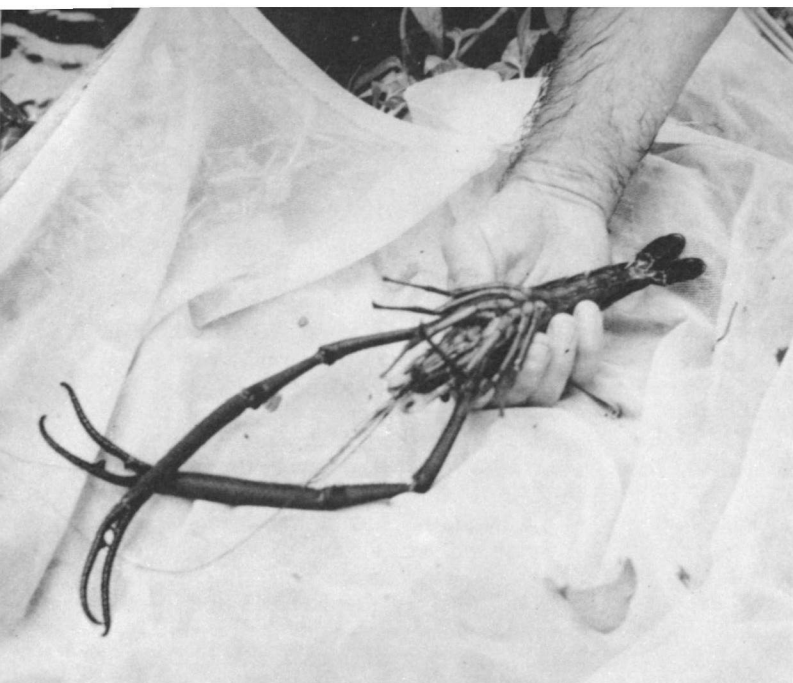
The grass carp is reputed to be a voracious consumer of many forms of aquatic vegetation. Efforts were initiated to introduce experimental stocks from Taiwan to evaluate this species in coping with aquatic weed problems in the Waiakea Public Fishing Area in Hilo. Two attempts were made to rear imported fingerlings in tanks but these failed due to various causes. Subsequently, rearing efforts were abandoned and a virtually direct release of 2,000 fingerlings was made in May, 1968. No post-release observations have yet been made.

INTRODUCTION OF AQUATIC INVERTEBRATES

Substantial additions were made this year to the accumulating evidence that a large species of shrimp



A contingent of delegates from the Mainland arrives in Honolulu to attend the 47th Annual Conference of the Western Association of State Game and Fish Commissioners.



An exceptionally large specimen of *Macrobrachium lar* caught in the Hiilawe Stream on Hawaii in March, 1968.

(*Macrobrachium lar*), introduced from Guam and Tahiti, is becoming established in Hawaii. Specimens have now been recovered or sighted in streams on the islands of Hawaii, Maui, Molokai, Oahu, and Kauai. This is conclusive evidence of reproduction of the species, which was released only on Oahu and Molokai, with inter-island drift of the larval shrimp accounting for distribution among the islands.

LIMNOLOGICAL SURVEY

Stream surveys were confined to the island of Hawaii during this report period. Nineteen streams were surveyed with the finding that 17 of them offered good potential for future development as fishing areas.

Since initiation of this project, a total of 128 streams has been surveyed throughout the State as follows: 18 on Oahu, 40 on Maui, 35 on Kauai, 4 on Molokai, and 31 on Hawaii. Favorable conclusions were drawn on the potential for the future development of 110 of these streams (14 on Oahu, 35 on Maui, 28 on Kauai, 4 on Molokai, and 29 on Hawaii). These data suggest a promising future for the expansion of fresh water sport-fishing activities in the State.

PUBLIC FISHING AREA DEVELOPMENT AND MANAGEMENT

Data collected during the 1967 trout fishing season at a fishermen checking station at Kokee, Kauai, showed that 418 fishermen trips resulted in the taking of 436 trout. An average of 3.20 hours was spent in catching each fish. This was substantially poorer than the 2.56 hours per fish expended during the 1966 season.

Construction of fisherman facilities at Wahiawa PFA, Oahu, including an access road, parking lot, and a boat launching ramp and dock was begun in July, 1967. Due to unexpectedly dry weather and resulting low water until October, fair progress was made in construction of the unusually long launching ramp. However, heavy rainfall and consequent high water thereafter precluded completion of this project during the

present report period.

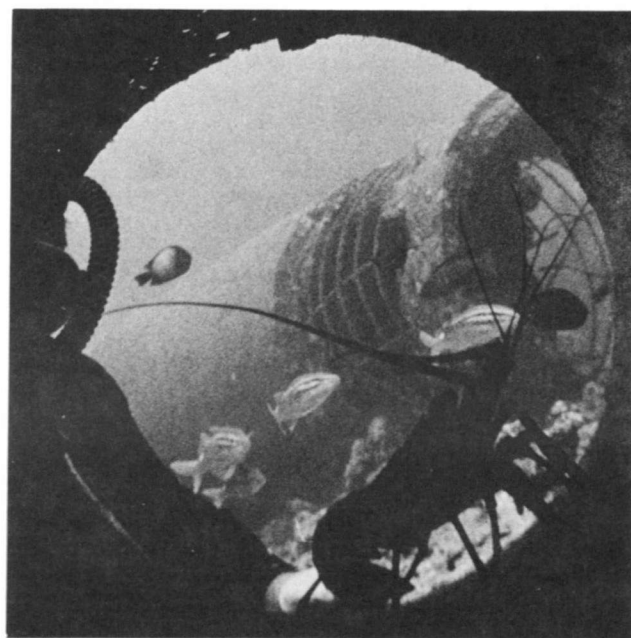
Creel census and fishermen interview data collected during calendar year 1967 indicate continuing heavy usage of the Wahiawa Public Fishing Area by the fishing public. Gross estimates show that some 11,047 fishermen trips were made to this facility during calendar year 1967 and that some 31,620 hours were spent in recreational fishing. It is estimated that about 19,800 fish weighing 12,100 pounds were caught during the period.

EXOTIC MARINE FISH INTRODUCTION

Between 1955 and 1961, the Division introduced six species of groupers and five species of snappers into Hawaiian waters. These exotic introductions include the groupers: roi (*Cephalopholis argus*), rero (*C. urodelus*), tarao (*Epinephelus merra*), tarao a'au (*E. hexagonatus*), matapuu (*E. fasciatus*), and pukokoo (*E. spiniger*) and the snappers: toau (*Lutjanus vaigiensis*), taape (*L. kasmira*), tuhara (*L. gibbus*), Mexican snapper (*L. guttatus*) and aaravi (*Lethrinus* sp.). The documentation of reported captures and sightings of these exotics was continued and recoveries of the roi, the toau, and the taape indicate that these three species, which were opened to public fishing in October, 1966, continue to increase in abundance and extend their range of distribution throughout the State. The toau and taape are now frequently caught by sport and commercial fishermen particularly on Hawaii and Oahu. Although the roi was released only on Oahu and Hawaii, this grouper has now been caught on Kauai, Oahu, Maui, Lanai, and Hawaii.

ARTIFICIAL SHOALS AND SCUBA RECONNAISSANCE OF INSHORE AREAS

The Division has created three artificial shoals in



A lobster and other residents of the concrete pipe section of the Waianae artificial shoal.

Photo by Bob Young, Honolulu Star Bulletin

Hawaiian waters at each of the following locations: Waianae, Oahu; Maunalua Bay, Oahu; and Keawakapu, Maui. These artificial shoals have been highly effective in attracting and concentrating a relatively high density of fish in formerly barren areas.

The expansion of the artificial shoal at the Waianae site was continued with the addition of 600 tons of damaged concrete pipes. A standing crop of 37 species comprising an estimated 975 pounds of fish per acre was enumerated over the pipe section during an underwater transect this year.

To increase our knowledge of fish populations in our reef and inshore waters, the fish counting activity was extended to Kealakekua Bay and Honaunau Bay on Hawaii where four temporary and two permanent 250 yard lines were laid. The counts along the four lines in Kealakekua Bay averaged 150 pounds of fish per acre, and the counts along the two lines in Honaunau Bay averaged 300 pounds of fish per acre.

MANAGEMENT ORIENTED BIOLOGICAL INVESTIGATIONS

The Division continued work on biological investigations designed to provide information to serve as the basis for management regulations. The species involved are the akule (*Trachurops crumenophthalmus*), Kona crab (*Ranina serrata*), spiny lobsters (*Panulirus penicillatus* and *P. japonicus*) and moi (*Polydactylus sexfilis*).

During the year, 3,815 hahalalu (young akule) were tagged and released at Kewalo Basin and Keehi Lagoon to study the growth and migration of this commercially important species. Thus far, 546 recoveries (14 percent) were obtained from this tagging operation. These returns suggest that hahalalu tend to remain in certain locations and do not move over great distances.

Studies conducted on the Kona crabs at Haleiwa and Waimea, Oahu, suggest that the crabs in these two areas do not intermingle and are composed mostly of mature crabs which bear eggs during June, July, and August.

Analysis of data from the spiny lobster tagging experiments in Maunalua Bay, Oahu, also indicate that these shellfish do not move very far and are recaptured mostly within the Bay.

A regulation limiting the bag and possession of the moi (defined as members of the species 7 inches or more in length) to 15 per person per day was established for waters off the coast of Oahu. The bag limit of 50 moi-llii (members of the species less than 7 inches) applicable on a State-wide basis remains unchanged.

Efforts toward development of an oyster industry in Hawaii continued with biological and cultural investigations being carried out on the American oyster (*Crassostrea virginica*). A study to determine whether Hilo Bay, Hawaii is suitable for oyster culture was initiated during the year with the placement of two floating rafts along the breakwater and the introduction of 1,000 pounds of seed oysters from West Loch, Pearl Harbor. A water sampling program was also initiated to determine the bacteriological quality of Hilo Bay in the area of the oyster culture experiment.

An estimated 41,000 persons participated in the clam season and harvested about 10,700 gallons of



Quahog Clams (Mercenaria mercenaria) planted in Kaneohe Bay, Oahu. Note variation in growth increment (area between notch and edge of shell) attained over a period of 78 days.

Manila clams (*Venerupis philippinarum*) from the southeastern end of Kaneohe Bay, Oahu. The participation was substantially lower than last year due to rain and cold weather conditions that prevailed.

After the close of the season about 253,000 seed clams collected at the Kaneohe Bay beds were transplanted to the waters off Wailupe, Oahu with the assistance of Hawaii Job Corpsmen to extend the range of this delectable shellfish.

Two large specimens of the Quahog clam (*Mercenaria mercenaria*) of the eastern United States were discovered in Kaneohe Bay during the year by sportfishermen. These clams were traced to an unrecorded introduction into Kaneohe Bay during the 1930's by a private citizen.

Encouraged by the discovery of these live specimens, 985 Quahog seed clams were imported from a shellfish laboratory in Connecticut and planted in Kaneohe Bay, Oahu and in the Nomilo Fishpond on Kauai.

KEEHI FISHERIES STATION

The development of mass rearing techniques of the giant long-legged prawn (*Macrobrachium rosenbergi*) for eventual commercial application is rapidly approaching reality. Most of the biological problems relating to the mass culture of larval prawns to the early juvenile state of development have been solved. Using techniques developed by project personnel about 200,000 juvenile prawns were produced during the year. A higher production of about 600,000 juveniles appears to be attainable during the next summer rearing period with further refinements in feeding and better control of water temperature.

The mass rearing of young juvenile prawns to marketable size was attempted for the first time this year in two privately owned fishponds, acquired specifically for this purpose through cooperative agreements with the owners. Up to the end of the report period 40 pounds of prawns (seven-to-a-pound size) were harvested from one of the ponds. Harvesting of these market-size prawns will be continued, using



The Hanauma Bay Marine Life Conservation District, Island of Oahu, was established in October, 1967 for the purpose of studying, preserving, protecting, conserving and propagating all manner of marine life and geological features.

Hawaii Visitors Bureau Photo

various types of collecting methods in an effort to develop an efficient harvesting method applicable to commercial operation. Further work will also be done with supplemental feeding trials to find an efficient yet economical feed.

NEW VESSEL CONSTRUCTION LOAN PROGRAM

Funds in the amount of \$150,000 have been made available to qualified persons for construction of new fishing vessels capable of operating in areas of greater fishery resource beyond the range of our present fleet. Under this program, loans of up to 80% of the cost of constructing the new vessel are authorized at a simple interest rate of 5½% per annum with terms up to 20 years.

HANAUMA BAY MARINE LIFE CONSERVATION DISTRICT

The Hanauma Bay Marine Life Conservation District on the island of Oahu, the first of its kind in Hawaii, was established during the year by regulation of the Board of Land and Natural Resources for the purpose of studying, preserving, protecting, conserving and propagating all manner of marine life and geologic features. This establishment provides complete protection to everything in the bay, both living and non-living. This protection, it is hoped, will result in the restoration and preservation of the flora and fauna, and the natural underwater beauty of the bay.

KAHOOLAWE FISHING

Through the courtesy of the Commandant, Fourteenth Naval District, U. S. Navy, the western portion of the surface danger zone surrounding the island of Kahoolawe was opened to fishing on a trial basis beginning in February 1968 when the island was not being used as a target range. This arrangement is to be evaluated after a trial period of six months, with the

understanding that should no problem arise, consideration will be given to opening up the remainder of the surface danger zone. The Division of Fish and Game served as liaison between the Navy and the fishermen, particularly in disseminating information to the public.

Commercial Fish Landings

The commercial landings of fish and shellfish in the State of Hawaii during the 1967-1968 fiscal year totaled 12,829,326 pounds valued at \$3,253,622 to the fishermen. Compared with the previous fiscal period, the State catch showed a slight increase of 474,668 pounds or 3.8% in weight and \$106,056 or 3.4% in value.

The increase in weight and value were due primarily to the aku (*Katsuwonus pelamis*) fishery which increased by 619,416 pounds or 7.4% in weight and \$191,438 or 15.2% in value. Other important species which showed increased landings were striped marlin (*Makaira audax*) by 157,082 pounds or 46.8%, akule and hahālu (*Trachurus crumenophthalmus*) by 322,152 pounds or 45.2%.

Fisheries that reflected decreased landings during the year were as follows: yellowfin tuna (*Neothunnus macropterus*) by 107,754 pounds or 18.9%, bigeye tuna (*Parathunnus sibi*) by 282,785 pounds or 36.6% and opelu (*Decapterus pinnulatus*) by 51,827 pounds or 21.0%.

Oahu led the islands in landings with 10,518,873 pounds or 82.0% of the total State landings followed by Hawaii with 1,205,864 pounds or 9.4%, Maui with 796,894 pounds or 6.2%, Kauai with 282,684 pounds or 2.2%, while Lanai and Molokai contributed the remaining 25,011 pounds or 0.2%.

Wildlife Branch

Major activities of the Wildlife Branch include development, maintenance and operation of public

hunting areas for game bird and mammal hunting throughout the State; 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.

MANAGEMENT OF PUBLIC HUNTING AREAS

Through regulations of the Board of Land and Natural Resources, public hunting is controlled on approximately 1,000,000 acres of game producing land throughout the major islands of the State. These lands include State owned forest lands, private lands on which the hunting rights were secured through cooperative agreements with the owners, and lands owned by other government agencies on which public hunting is regulated by the Board by agreements with the controlling agencies. This total acreage includes 19 areas comprising some 550,000 acres, which have been designated game management areas because of their outstanding game producing capabilities, and which are more intensively developed and managed than other areas. Hunting on these game management areas is closely controlled, thereby making possible the collection of reliable hunting statistics.

The reported harvest of game mammals from the game management areas increased by 68% over the previous year (see Table 1). This was due primarily to re-opening of a rifle season for feral sheep, pigs and goats on the Mauna Kea Game Management Area. After a closure of one year, the Mauna Kea area was opened for two, two-month seasons: August-September and March-April.

During the four months, hunters made 4,290 hunting trips and harvested 1,781 feral sheep, 481 pigs and 19 goats for an overall success rate of 53 percent. During the annual Axis deer season on Lanai, which was opened for nine Sundays during March and April, 1,181 hunters bagged 549 deer for a success rate of 46 percent. On Molokai, 753 hunters bagged 184 deer during a nine-weekend season for a success rate of 24 percent. The relatively low success on Molokai was due primarily to lush vegetation affording ample concealment to the deer.

Table 1 Big Game Harvest on Public Hunting Areas During 1966-1967 and 1967-1968

Species	1966-1967	1967-1968
Feral Pigs	1,161	1,678
Feral Goats	2,107	2,388
Axis Deer	867	1,237
Feral Sheep	158	1,920
Mouflon Sheep	6	—
Pronghorn Antelope	33	—
Total Mammal Harvest	4,883	7,223

Favorable spring rains improved game bird populations and resulted in an increase in the harvest of birds on the 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 1966-1967 and 1967-1968

Species	1966-1967	1967-1968
Pheasant	1,302	1,358
Chukar Partridge	1,825	1,860
Grey Francolin	754	1,411
Black Francolin	185	112
Quail (Valley, Gambel's, Japanese)	760	878
Lace-necked Dove	3,790	4,886
Barred Dove	4,346	5,231
Total Game Bird Harvest	12,962	15,736

The special dove shooting area at Barbers Point on Oahu again provided phenomenal shooting. This area although only 42 acres in size, is a prime dove hunting area by virtue of its location adjacent to a large cattle feeding lot to which the doves are attracted. The area was made available for public hunting through the cooperation of the U. S. Government, owner of the land, and a private estate that controls access to the area.

Excellent francolin shooting was available on Molokai and Lanai where these partridge-like birds continue to increase.

MAINTENANCE OF PUBLIC HUNTING AREAS

The maintenance of service and hunter access roads and trails, game watering systems, fences and hunter checking stations continues to be a major activity of the Wildlife Branch. Three water units each on Kauai and Lanai and one hunter checking station on Hawaii were added to the facilities. In addition, the re-opening of several foot and jeep trails on Lanai was accomplished.

Habitat improvement work was continued on Lanai and Hawaii. On Lanai 100 acres of eroded lands were planted to range grasses and on Hawaii 5 acres of thick naio brush were cleared in the Kaohe Game Management Area and planted to game bird food plants.



Barred and Lace-necked doves hang near shooting stake as hunter attempts to complete his bag limit at the Barbers Point Public Hunting Area on Oahu.



Volunteer sportsmen assisting Division of Fish and Game staff in the construction of game water units—Island of Hawaii.

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.

GAME INTRODUCTION AND RESEARCH

No new game mammals were introduced during the report period. However, populations of previously introduced animals were monitored to determine adaptation and range extension. Periodic field trips were made into the Puu Ka Pele area on Kauai to assess the status of the black-tail deer herd. Based on sightings, including does with fawns, the indications are that normal reproduction is occurring, deer are in good physical condition, and the herd is largely confined to the area bounded by the Kokee road, Kauhao ridge, Papaalai ridge and the sea cliffs to the west. An estimate of 300-350 deer was reached, using the grid technique. Little trailing or trampling of vegetation was noted.

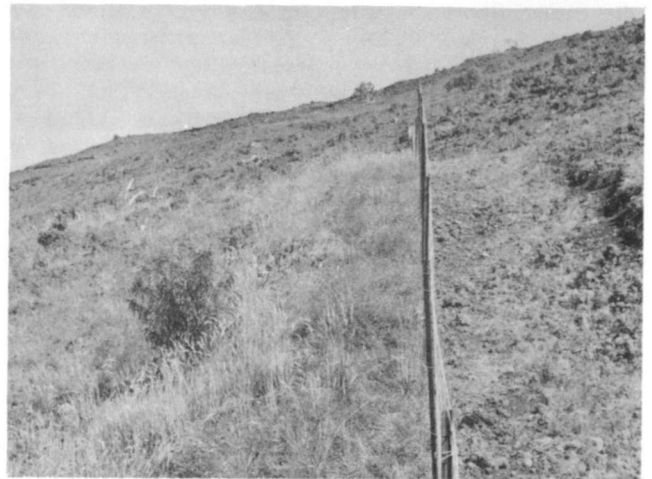
Field surveys of the pronghorn antelope herd on Lanai were made to determine breeding success and the general condition of the herd. In August the observed doe to kid ratio was 1 : 1.5 which indicated good



Wildlife habitat improvement. Wildlife staff clearing brushland to be planted to game bird food plants at the Kaohe Game Management Area, Island of Hawaii.

reproduction. The animals continue to occupy all of the available open range on the northern and western portion of the island and the observed sex ratio of 1.55 does per buck is considered normal. However, an aerial count made in June indicated a herd of only 112 animals. It is not known what factors are inhibiting increase in the herd. No hunting of pronghorn was permitted during the year.

It was impossible to obtain an estimate of the number of mouflon on Lanai due to the secretive nature of the animal and the dense brush. However, observations indicate that good reproduction is occurring. All animals seen were in apparent good health. The small flock of mouflon on Mauna Kea, Hawaii continues to inhabit the eastern portion of the mountain. Small bands are frequently seen in the Kole area and lambs have been observed. Some of the mouflon have drifted



Game Mammal Exclosure, Mauna Kea Hawaii. Area to left of fenceline illustrates ability of the range to recover vegetatively when feral animals are excluded. Area outside exclosure (to right) shows severe damage to grasses and native trees.

down into the ranch lands adjacent to the game management area.

One additional game range exclosure was constructed in the Waimea Canyon area on Kauai bringing the total number of these study plots in the State to twelve. Photographs and other records of the vegetation outside and inside these plots provide information on the effects of game mammals on the vegetation, and the response of various ranges to elimination of grazing.

The feral sheep population on Mauna Kea was monitored frequently to determine population size and distribution as influenced by the two hunting seasons. A ground count conducted at year's end revealed a population of 3,300 sheep on the mountain as compared to 4,220 counted just prior to the beginning of the year. Observation of range and browse conditions indicates that continued heavy utilization of mamani is occurring, especially in the higher portions of the range.

No introduction of new game birds was made during the year. Only one sighting was made of the Chilean tinamou released last year when four birds were flushed near the release site on Hawaii.

Pronounced increases in the populations of Erckel's

francolin on Lanai and the Rio Grande turkey on Molokai, Maui and Lanai were noted. Several broods of turkey were also produced in the Pohakuloa area on Hawaii. Observations of Reeve's pheasants, however, are becoming more infrequent.

The study of the wintering population of plovers on Oahu was continued with the periodic censusing of birds on various habitats. It was determined that an estimated 15,000 plovers spent the season on Oahu. Grazed grasslands and harvested cane fields were especially important as feeding areas for these birds.

NON-GAME BIRD INTRODUCTION AND RESEARCH

The Nene Restoration Project was expanded during the year with an increase in Federal funds from \$15,000 to \$25,000 made available through a contract with the Bureau of Sport Fisheries and Wildlife, U. S. Fish and Wildlife Service. Included in the expansion were one additional field hand, pen enlargement at Pohakuloa, and construction of a field shelter for personnel in the Kahuku Sanctuary area. Production at Pohakuloa reached a record high of 122 young. The previous high was 84 young produced during the 1966-67 season. Several nests and broods were observed in the wild on Hawaii and for the first time reproduction was noted on Maui. Six nests were located near the release area in Haleakala, Maui and observations indicated that one was completely destroyed and five hatched at least one egg apiece. Although this is a very encouraging development, no young birds have been observed on Maui to date. Predator control activity was increased in all known nesting areas.

Forty-five koloa were successfully reared at Pohakuloa. Plans are being made for the release of these birds in the Kohala mountain area of Hawaii in an effort to re-establish the koloa on that island. A 40-page booklet on the koloa was prepared and is now in press.

The Division of Fish and Game participated in several projects with other agencies and organizations directed toward learning more about Hawaii's rare and endangered wildlife species and how best to preserve them. Notable among these projects was a scientific expedition to Kipahulu Valley on Maui sponsored by the Nature Conservancy during which the Maui nukupuu (*Hemignathus lucidus*), a native forest bird thought to be extinct, was rediscovered. Another important discovery was made during the year when the nesting grounds of the Newell's shearwater (*Puffinus P. newelli*), a rare native seabird, were found on the island of Kauai. This discovery was made jointly by biologists of the U. S. Fish and Wildlife Service and the Division of Fish and Game. Also in conjunction with biologists of the U. S. Fish and Wildlife Service, important habitat areas used by Hawaiian stilts, gallinules, coots and koloa were studied and several contacts were made with the owners of these areas to explore the possibilities of preserving them.

A search of the literature and contacts with professional and amateur ornithologists revealed that in the past 10 years at least 23 new species of birds have been reported in the wild in Hawaii. Although many of these are undoubtedly escapees from caged conditions, some are suspected to have been deliberately and il-

legally released. Several of these species including the Indian hill mynah, black headed nun, grey singing finch and the red vented bulbul are apparently becoming established. Numerous discussions were held with representatives of the Department of Agriculture to determine ways of curtailing the unauthorized release of birds or to prohibit the entry of potential pest species.

WILDLIFE REFUGES AND SANCTUARIES

Wildlife biologists participated in three survey and patrol trips to the Hawaiian Islands National Wildlife Refuge. Particular attention was given to determination of the status of the Hawaiian monk seal, green sea turtle, Nihoa miller bird, Laysan teal and the Nihoa and Laysan finches. Seals and turtles were tagged to determine their movements. The Kure Island State Refuge was visited on two occasions and censuses taken of the seal population. On October 1, 1967, out of a total of 59 seals only two were on Green Island, the remainder were observed on Sand Island. On March 29, 1968 sixty-nine seals were counted, 15 of which were on Green Island. It appears that the constant disturbance caused by personnel of the Coast Guard Loran Station on Green Island is causing the seals to shun that particular island. The infestation of the *Verbesina* weed appears to have stabilized and is limited to the vicinity of the antenna field and other disturbed areas. The Polynesian rat population appears to have decreased to a point where it is no longer a threat to the seabirds using the island.

EMERGENCY RABIES VECTOR CONTROL

The Wildlife Branch was called upon to serve as coordinator for vector control during the suspected rabies outbreak which occurred during the year. The trapping of mongooses, feral dogs and cats, and rats was a joint effort involving the Department of Health, Hawaiian Humane Society, and the Department of Land and Natural Resources. Men and equipment were also supplied by the Hawaii Army National Guard. Activities consisted primarily of collecting large



A deputy warden manning a hunter checking station at Barbers Point, Oahu, during the annual game bird season.



A staff warden checking rainbow trout catches at the fishermen checking station at Kokee, Kauai, during the annual trout season.

numbers of animals in areas where positive specimens had been reported for laboratory testing.

Although no conclusive evidence of rabies was obtained, the experience gained in the program will prove of great value in meeting future emergencies should a rabies outbreak occur.

Enforcement Branch

The Enforcement Branch is responsible for the enforcement of the State's fish and game laws and regulations. This responsibility is being fulfilled by 23 regular full-time fish and game wardens supplemented by 110 volunteer deputy fish and game wardens who contributed a combined total of 6,309 hours of enforcement duty.

About 70 percent of the enforcement effort was expended on such activities as patrol and surveillance, inspection, investigation, and apprehension of violators. The remaining 30 percent went into administrative, licensing, fish and wildlife management, and public information activities.

The patrol and surveillance activities extend over approximately 2,000 acres of still water public fishing areas, 500 miles of fishable streams, 900 miles of shoreline and reefs, 900,000 acres of public hunting areas, and 19,000 acres of sanctuaries and refuges. These activities bring the fish and game wardens into direct contact with fishermen, hunters and other fish and wildlife resource users. Thus, these opportunities are used to disseminate information about various aspects of the fish and game program to the public.

Field activities during the report period are summarized as follows: Wardens patrolled 237,300 miles by vehicle, 973 miles by boat, 1,434 miles by foot, and 17 miles by horseback; conducted 207 stakeouts; contacted 43,295 marine fishermen, 3,684 freshwater fishermen, and 12,990 hunters; inspected 4,998 commercial and sport fishing crafts, 3,877 fish markets and fish peddlers, 120 restaurants, and 28 game farms. The total enforcement effort resulted in the arrest of 91 persons who were charged for a total of 98 hunting and fishing violations.

Other field activities included the issuance of 2,936 licenses and permits; contribution of 959 man-hours assisting in fish and wildlife management activities such as creel censuses and game counts, collection of biological and other field data, stocking of fish and wildlife species, and operation of hunter checking stations; and participation in public information activities by presenting talks on fish and game laws and regulations at schools and other gatherings and distributing fish and game brochures and other informational material.

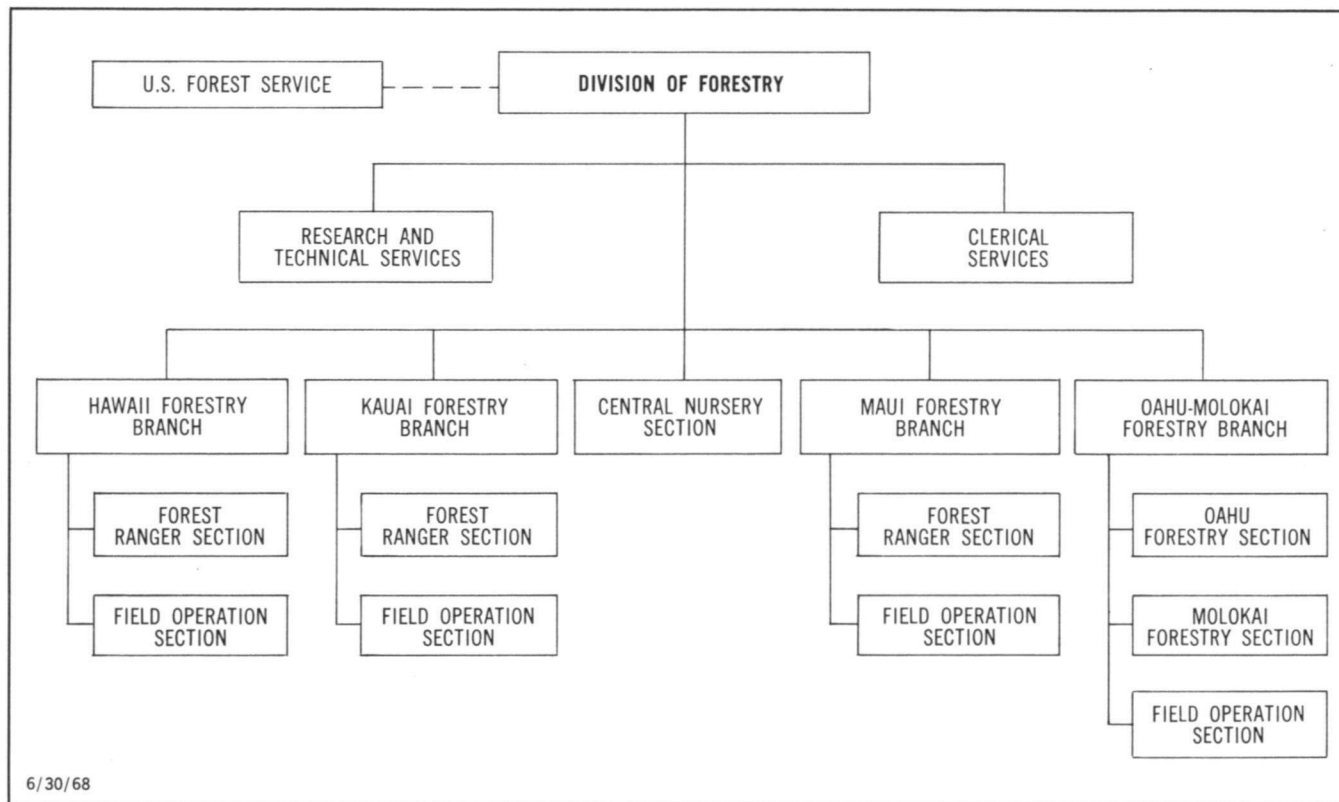
During the fiscal period five fish and game wardens (3 on Oahu, 1 on Maui and 1 on Hawaii) were added to the regular staff. The three new Oahu wardens were assigned marine enforcement duties involving boat patrols of reef and offshore waters to curb fishing violations, particularly the use of chemicals or substance which serve to kill or intoxicate fish. All three wardens have completed diver training courses and have been equipped with SCUBA diving gear and accessories and other equipment. Only one major item of equipment, a 24 foot patrol craft remains to be acquired. It has, however, been ordered and delivery is expected early in the next report period.

SECTION 4

Division of Forestry

TOM K. TAGAWA, State Forester

ORGANIZATION CHART — DIVISION OF FORESTRY



ADMINISTRATION

The Division of Forestry is an administrative, fire protection and regulatory agency for forest lands. Its responsibilities are confined to those State and privately owned forest lands having State-wide interests.

The functions of the Division are conducted by four operating forestry branches — Hawaii, Kauai, Maui and Oahu/Molokai — whose responsibilities are to manage, develop, and protect the forest resources in their respective districts.

Nearly two million acres are classified as forest land — almost half the total area of the State. About one million acres of forest land are classified as commercial forest land and can produce industrial timber. Other forest lands, classified as non-commercial, also total about one million acres. Some of this area is productive but may be in a park or in critical watershed status removed from commercial use. A great portion of the total area is currently unproductive.

Converting relatively idle wildland forest into a productive forest is one of the most important forestry jobs in Hawaii today. While this objective is constantly before the Division, there are also objectives associated

with other land uses, such as watershed management for the purpose of influencing usable water yield and stream flow, and fire prevention and suppression.

A great deal has been accomplished in bringing our forests under management, and in planting denuded and non-stocked areas. With increasing demands for the multiple resources of our forest lands, it is imperative that forest development and protection of the two million acres of forest land be intensified and improved if forestry is to make its full contribution to the economy of the State.

PERSONNEL

A basic organization adequately staffed with technically proficient and qualified personnel is required to provide the necessary leadership to meet the Division's objective and goals.

Screening and recruitment of applicants in Hawaii is a greater problem than in most States. We are geographically removed from other states, and appointed employees from the U.S. Mainland must pay for their own transportation and moving expenses, and must also be on probation for a one-year period.



Site preparation. Thick, tangled, and impenetrable undergrowth must be cleared before tree planting can take place. Native ohia forest has degenerated rapidly as shown by the widely scattered trees.

Following are the major changes in personnel in the Division:

Holt, Walter W. — Protection and Development Forester and former State Forester, retired after nearly 40 years of service, on May 31, 1968.

Kikukawa, Herbert H. — Service Forester, was promoted to Oahu/Molokai District Forester on December 18, 1967.

Pung, Ernest — Forester II, was promoted to Service Forester on December 18, 1967.

Wong, Wesley H. C. Jr. — Forester II, was promoted to Timber Survey Forester on January 2, 1968.

Petteys, Edwin Q. P. — A recent graduate of Oregon State University, was hired as Forester I effective February 12, 1968, and assigned to forest survey.



*This 11-year-old eucalyptus, *E. deglupta* (foreground) and *E. grandis* (dark bark), demonstrates the fast growth rate of trees in Hawaii. These are good timber species and ready for harvest in about the next 20 years.*

Ells, Clifford — Forester II, resigned on June 14, 1968, and returned to work for the U. S. Forest Service on the mainland.

REFORESTATION

The necessity for an expanded tree planting program on State forest lands to develop and sustain a timber industry in Hawaii has been firmly established and documented in various reports and action. This conclusion has been reached on the basis of findings that:

- a. Lumber is a basic need of the island economy.
- b. About 90 million board feet of lumber are imported each year.
- c. In the State, over 1 million acres are suited for growing timber trees. The island of Hawaii has the greatest potential for developing a timber industry, on a sustained basis, because it has the bulk of the area suited for growing timber trees.
- d. Stands of timber trees planted in the past years have commercial values and are now being harvested.
- e. The rotation period of timber crops is half of that experienced on the mainland United States because of our ideal growing conditions.
- f. Certain valuable species of timber trees grow exceptionally well in Hawaii.

With an expanding market for high quality hardwoods in the United States, the Division plans to eventually stock 100,000 acres of productive planted forest over the next thirty years. To meet this goal the Division has (1) finalized a plan for tree planting, (2) inventoried the timber and land resources, and (3) cen-



Logging in Hawaii. Heavy crawler-type equipment is needed to harvest the large Eucalyptus robusta trees on the Hamakua Coast.

tralized the nursery operations.

Since the implementation of this program in 1961, over 15,000 acres have been planted with high-value hardwood species, such as *Toona ciliata* var. *australis*, *Flindersia brayleyana*, *Eucalyptus saligna* and *Eucalyptus pilularis*.

During the fiscal year, reforestation by handplanting was completed on 2,039 acres, using 900,000 seedlings. Trees can be planted any time of the year where rainfall is evenly spread throughout the year. However, the time of occurrence and amount of rainfall varies from year to year.

The State Forester, under the provisions of Title IV of the Soil Bank Act of 1956, entered into a reforestation cost-sharing agreement with the U. S. Department of Agriculture in 1961. This program offers the State an opportunity to accelerate its reforestation program on areas now unproductive. Financial support to the State is \$30,000 per fiscal year.

FIRE CONTROL

By statute, the Department of Land and Natural Resources is responsible for the prevention and suppression of forest fires on State and private forest and brush lands. The State Forester as the principal fire warden is responsible for the total land area of 1,929,000 acres. However, the available firefighting manpower and equipment, commensurate with responsibility, is wholly inadequate to be an effective organization. The Division is developing an organized fire plan with the hope that precise requirement of the



Helicopters are brought into use in transporting firefighters, equipment, and supplies in combating forest fires in inaccessible areas.

fire protection force and equipment is in accordance with public safety, health, and general welfare of the people of the State.

Twenty-one (21) forest and brush fires occurred within the Conservation Districts, and adjacent to the Conservation Districts boundaries, which burned 11,837 acres. A major brush and grassland fire burned over 8,700 acres at Puu Anahulu Game Management Area in North Kona, Hawaii.

The Division is extending its fire fighting capabilities by renting helicopter service, when available, for reconnaissance, air-lifting of fire crew to hot spots, and with improvised plastic bags filled with water, dropping water bombs on hot spots.

All forest resources, whether timber, wildlife,

aesthetics, recreation, watershed, or the soil itself, are destroyed, damaged or adversely affected by uncontrolled fires. Immediate corrective measures must be taken if burn occurs on critical watershed. During the year, the Division undertook the task of revegetating the burned area at Hanalei, Kauai. Over 4 tons of grass seeds, imported from Australia, mixed with 118 tons of fertilizer were aerially seeded on 1,500 acres. Total cost for materials and supplies was \$29,423.00. The federal government under the authority of the Flood Prevention Act of 1950 reimbursed \$7,355.00 to the State.

It is imperative that organized fire control and fire fighting crews be adequately equipped with up-to-date fire control tools and equipment fundamental for good forest management.

The State Forester, under provisions of Section 2 of the Clarke-McNary Act of 1924, entered into an agreement with the U. S. Department of Agriculture in 1926. This program provides for the Federal government's participation in the prevention and suppression of forest fires on State and private lands. Financial support to the State is \$38,800 per fiscal year.

NURSERY DISTRIBUTION AND PRODUCTION

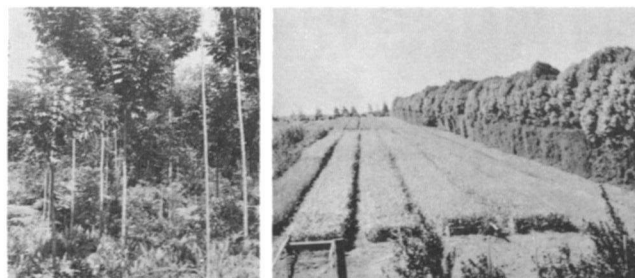
The Central Tree Nursery consists of an area of 14 acres located at Kamuela, on the island of Hawaii. The output of seedlings from the nursery has been increasing each year and present production is about 1,200,000 seedlings each year. The ultimate capacity of the existing facilities is estimated at 4.5 million seedlings per year.

The purpose of the nursery is to provide planting stock for reforestation, windbreak, erosion control, and woodlot planting throughout the State. During the fiscal year the nursery filled about 110 orders totalling 233,000 seedlings for farmers and ranchers, and 900,000 seedlings for the State's reforestation program.

The State Forester under the provisions of Section 4 of the Clarke-McNary Act of 1924 entered into an agreement with the U. S. Department of Agriculture in 1926. This federally supported program helps the State to distribute forest and shelterbelt planting stock to farmers and ranchers at a normal price so that these land owners can carry out tree planting without heavy financial burdens. Financial support to the State is \$3,000 per fiscal year.

COOPERATIVE FOREST MANAGEMENT

Just as the farmer has his county extension man to



Left: Queensland-maple, one of the highly prized species for furniture and cabinet wood, grows well at Waiakea on the Big Island. Trees are 7 years old. Right: Nursery stocks are grown in large beds to reduce production cost at the Central Tree Nursery in Kamuela. Windbarrier at right is needed to protect the seedlings.

advise and assist him, so too does the forest land owner and forest based industrial complex. Providing this technical advice and assistance in forestry and forest products is a function of the Forestry Division and the U. S. Forest Service through the Cooperative Forest Management program.

During the fiscal year, 248 requests were serviced by the Service Forester and the District Foresters. Services provided, included distribution of planting stock, species recommendation, design of shelterbelts, timber marking, timber scaling and cruising, and getting buyer and seller together. The total area involved was 214,138 acres.

In the area of wood utilization much assistance was tendered to the new Dawson Corporation sawmill advising the mill personnel on how to produce good lumber from the difficult to handle local species and how to market it. Considerable aid was provided for a planned veneer and plywood operation — providing technical advice on wood properties and lining up sources of timber. A new sawmill is being built on Maui. The owner was advised on sources of timber and on special processing problems. A major timber seller was advised concerning a sale contract. Guidance was provided to many others — including a man investigating the potential for shipping wood chips to Japan; several Christmas tree growers; a new wood treating plant in Hilo; the Bernice P. Bishop Estates; the U. S. Navy; Blair, Ltd; Parker Ranch; several sugar companies; and others.

The new timber industry that we see today growing in Hawaii didn't just happen. It was created by a concentrated effort at planting and growing the trees, surveying their volume, researching their processing and marketing peculiarities, and disseminating the information. This effort of the Division and the Forest Service has been going on for years and is now bearing fruit, providing employment and new cash flow into the State's economy.

The State Forester under the provisions of the Cooperative Forest Management Act of 1950 entered into a program agreement with the U. S. Department of Agriculture in 1962. This program recognizes the need to establish more productive management on privately owned forests, with special emphasis aimed at aiding small sawmill operators and other processors of primary forest products. It provides for technical service assistance to private landowners to encourage development and utilization of their forest resources. Financial support to the State is \$13,582 per fiscal year.

INSECT AND DISEASE

With the increased use, and changes in land use, insect and disease infestation in the forests is becoming a problem. On Hawaii, the black twig borer (*Xyllosandrus compactus*) started to infest the young reforested stands in the Waiakea area. A mixture of Malathion-DDT-Carbaryl aerially sprayed fortunately checked the invasion. Large tracts of native forest and mature exotics in areas are beginning to show signs of withering. Certain species planted and apparently well suited for the site were failures.

These are some of the problems the Division is confronted with and must obtain answers to remedy the situation. The University of Hawaii Agricultural Ex-

periment Station and the U.S. Forest service are cooperating with the Division in this vital area.

ROADS AND TRAILS

Forest roads and trails are constructed as programs require, to provide access to the forest areas. These



Bombs Away!! Flying at near tree-top height, insecticide is sprayed on young Australian redcedar and Queensland-maple stand. The large scattered trees are the native ohia serving as shade trees. Note smoke markers to guide pilot.

roads and trails are maintained for public recreational and hiking use in conjunction with tree planting, fire control, and protection activities of the Division. During the fiscal year, 20 miles of road and 1½ miles of trails were constructed. There are presently well over 275 miles of road and 400 miles of trail system in existence.

NEIGHBORHOOD YOUTH CORPS

The objective of the Department's Neighborhood Youth Corps Program is to provide useful and productive work experience in on-the-job training opportunities for school drop outs from low income families. This is provided with the hope that someday the enrollee will return to school, find a job, gain security, and above all enrich himself with a sense of complete self-confidence and respect.

During the fiscal year the Division administered two separately contracted projects with the Department of Labor, Bureau of Work-Training Programs. The total cost of the two projects was \$112,286. The federal share was \$65,794. The State provided \$46,492 in-kind services such as staff and field time, equipment, material and transportation costs.

FORESTRY RESEARCH

The Division cooperatively supports the program of forestry research at the Institute of Pacific Islands Forestry. This Institute is a unit of the Pacific Southwest Forest and Range Experiment Station, Forest Service, U. S. Department of Agriculture.

Forest scientists of the Institute are concerned with the need for increased care and management of Hawaii's forest resources under the impact of a rapidly expanding and mobile population. Underdeveloped and unmanaged forests will yield only a fraction of their potential benefits.

Recognizing the possibilities for greatly increasing forest value, we carry out a research program to develop information in support of effective forest



Loading Up!! Aircraft is taking on a load of insecticide for the black twig borer that invaded the Waiakea reforestation area on Hawaii.

management in the islands. Our research aids in:

- . . . Protecting and improving watersheds to insure yields of usable water and to reduce floods, erosion, and siltation.
- . . . Improving the beauty of the landscape, and enhancing recreation and wildlife habitats.
- . . . Developing and managing timber resources for sustained supplies of wood for industry.
- . . . Developing wood products industries and markets.
- . . . Developing and maintaining forest resource inventory information.

Much of the forestry research underway is of necessity long range in scope. Useful results must await long periods of observation and measurements. Much useful information is however being obtained currently. During the past year, 14 research papers and reports were issued. These are listed in the Appendix.

Here are some research highlights:

. . . Koa is Hawaii's most valuable native timber species. However, it is not regenerating adequately in natural forests. There is an urgent need to learn how to induce regeneration and manage the stands to sustain these valuable forests.

Two research sites in the koa forests on the Big Island were experimentally treated in 1963. Dense stands of seedlings resulted. The development of these rapidly changing stands is being studied. For example, at one site, six months after site preparation, stocking exceeded 10,000 seedlings per acre. At the end of 4½ years, stocking averaged 1600 stems per acre, with average diameter of 2.7 inches and average height of 20.5 feet. Stocking of potential crop trees was 250 stems per acre. Observations and measurements will be continued for many years.

. . . Manufacturers and users of wood products know that wood shrinks and swells as its moisture content changes. However, they usually assume that seasonal change in moisture content is slight at a given general location. In a study of wood samples inside certain structures on Oahu, Hawaii, sufficient differences in moisture content were found in different locations to call attention to the problem.

Test blocks of Douglas-fir and robusta eucalyptus showed little seasonal variation in Equilibrium Moisture Content but differences in EMC between the 19 test locations were significant. Minimum EMC at non-air-conditioned locations was 10 percent; at airconditioned locations it was 8 percent. Maximum EMC at non-air-

conditioned locations was 16 percent; at airconditioned locations it was 12 percent.

. . . In spite of their reported high stability and high infiltration capacity, soils in Hawaii do erode severely if not protected. The erosion problem causes great concern to agriculture enterprises and to many others. A particular problem is the resultant siltation of reservoirs and flood plains and discoloration of beach waters.

Studies were made of the relation of soil erodibility on Oahu watersheds to soil parent material, rainfall, elevation, vegetation type, slope, and aspect. Parent rock material was noted as the most important factor in explaining differences in measured erodibility indices. Vegetation type and other factors also influence erodibility.

. . . Housing construction is Hawaii's largest single market for lumber, plywood, and other wood-base panel products. How large and important is this housing construction market in Hawaii — now and in the future? We studied this question to aid in planning programs for timber production and utilization.

An estimated 44,300 new housing units will be required in Hawaii during the period 1965-70. Single family houses are expected to comprise 20,000 to 26,000 of these units. This volume of housing construction implies a large demand for wood products.



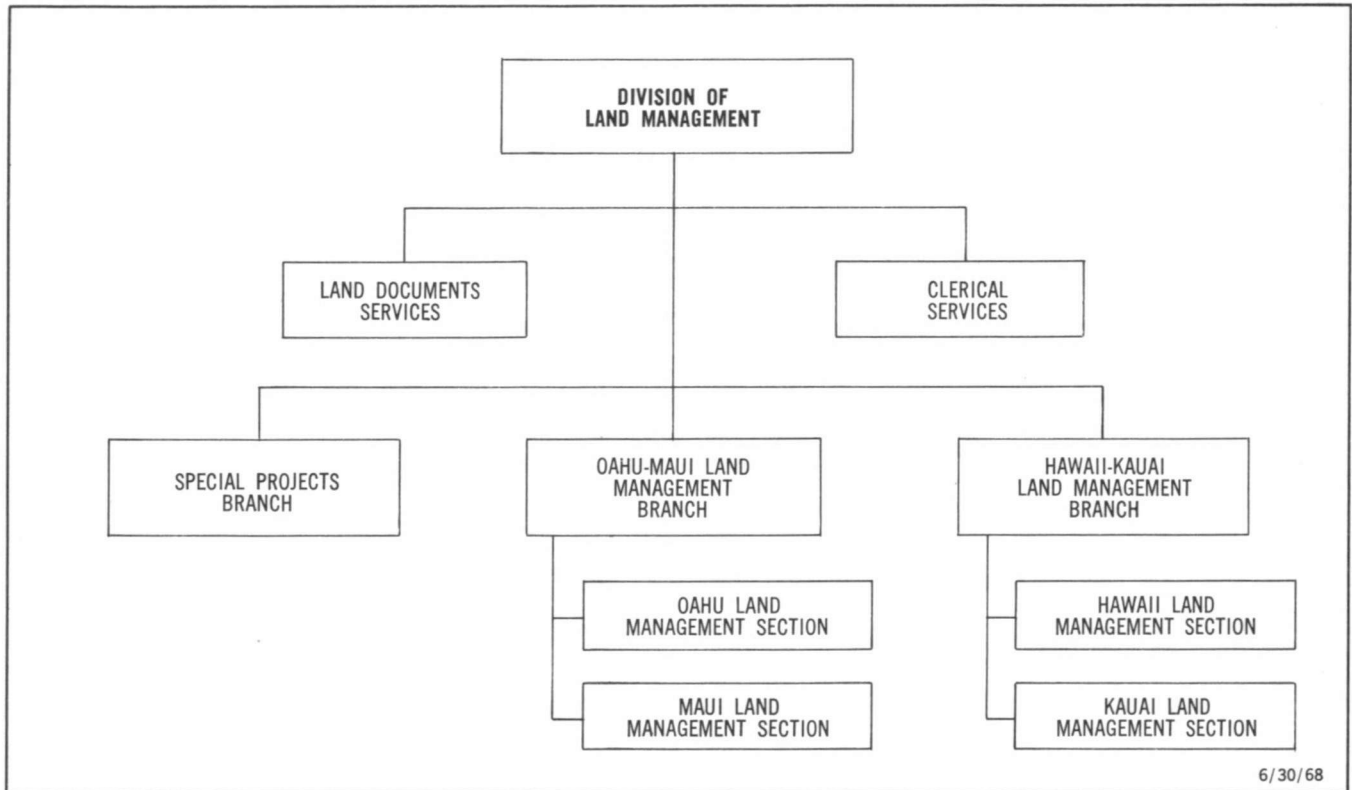
One phase of Watershed Management Research is to record and compare infiltration rates under forest, pasture, pineapple, and sugarcane soils. In the Honouliuli Forest Reserve, forestry aide Peter Fujiyoshi tests infiltration rates using a portable, double-ring "coffepot" infiltrometer.

SECTION 5

Division of Land Management

JAMES DETOR, Land Management Program Administrator

ORGANIZATION CHART — DIVISION OF LAND MANAGEMENT



Under the broad administrative and policy direction of the Chairman and the Board, the Division of Land Management is responsible for the acquisition, management and disposition of the State's public lands. The principal office of the Division is also 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 staff is centered around the management of lands under the control of the Department, and their disposition by sale, lease, license or revocable permit. The acquisition of lands for public use by governmental agencies has become increasingly one of the Division's major activities.

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 by qualified farmers, and sales in fee of

commercial, industrial or resort hotel properties, subject to legislative disapproval at the next regular or special session of the State Legislature after the dispositions are made. Sales and leases of State land may also be effected by direct negotiation which is, in effect, sale by sealed tender following public advertising.

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

An important function of the Division is the regular inspection and policing of all State lands to insure compliance with the terms and conditions of various dispositions.

LEGISLATION

Only one Act materially affecting this division was

passed by the 1968 Session; Act 68, amending Section 103A-56.1 which concerns dispositions to developers.

Act 68 considerably relaxes the restrictive conditions of Section 103A-56.1, primarily in that it permits the department to enter into development contracts for projects which have not had prior Legislative appropriations. No such contract may be entered into, however, except for lands designated by prior joint resolution of the Legislature. No such joint resolutions were passed by the 1968 Legislature, so development programs to be carried on in the 1968-1969 fiscal year will be only those already approved and appropriated for.

DISPOSITIONS

During the fiscal year, the Division sold in fee 36 parcels of land totalling 50 acres for \$820,447.00. Except for a few remnants, all of the sales were house lots.

A total of 152 general leases, covering 5,963 acres with an annual rental of \$264,327.00, were sold during the year. Of these, 108 were leases of Kokee and Puu Ka Pele recreation-residence lots on Kauai, effective January 1, 1966, but documented for reporting this year.

More than 12,204 acres were encumbered by 104 revocable permits with a total annual rental of \$172,386.00.

A total of 74 executive orders were approved by the Board and issued by the Governor during the fiscal year. Of these, 44 orders were setting aside a total of 895 acres to various State and Local agencies; 30, covering 501 acres, were withdrawals from existing executive orders or cancellations of executive orders.

ACQUISITION

There is a continued increase in the acquisition activity as more requests are received from State agencies, particularly the Department of Education. Completed during the fiscal year were 23 transactions covering 5,476 acres with a value of \$1,664,435.00. There were 45 new transactions initiated with an area of 603 acres. No value can be given as many of the parcels have not been appraised. Now in progress are 95 transactions having an area of 1,533 acres.

OTHER ACTIVITIES

Staff appraisals during the year for all islands total 89. During this period, also, the Appraiser reviewed and recommended rentals for 600 revocable permits on the various islands, and reviewed 13 private appraisals.

The agricultural lands inspection and report program was considerably better organized this year but suffered as to quantity by the fact that the Agricultural

Land Use Specialist was assigned the additional duties of coordinating the administrative functions of the Statewide Soil and Water Conservation Districts.

The staff Agricultural Land Use Specialist made 31 inspections of agricultural and pasture lands prior to disposition by lease and permit. Inspections to determine if terms and conditions of leases and permits were being complied with totalled 62. Reports and recommendations for solutions were made in cases of default or failure to comply with terms and conditions of dispositions.

The Division Title Searcher completed 8 searches of title, 2 Land Court citations and 26 memoranda on lots and easements during the fiscal year. Fourteen abstracts of title are far advanced but not yet completed.

CONSERVATION DISTRICTS

The administrative functions relative to the State's Soil and Water Conservation Districts, assigned to this Department by the 1967 Legislature, have occupied much of the time of the Division's Agricultural Land Use Specialist during the past fiscal year. He has been corresponding with and meeting with the Districts and helping to coordinate their activities. Presently in process is the execution of a Memorandum of Understanding between each District and this Department.

The Districts, whose functions are provided for in Chapter 28, Revised Laws of Hawaii 1955, as amended, are local units of governmental subdivisions of the State, each governed by a five-man Board of Directors — three locally elected and two appointed by this Department. The function of the Department is to aid the districts in their work, coordinate their activities with other agencies, and take care of the administrative functions on a State-wide basis.

There are presently fifteen SWC districts in the State, 14 functioning actively and one inactive. The inactive district will be dissolved and its area consolidated with an adjacent district.

The State provides funds for routine administrative work and for travel of district directors who, through the Hawaii Association of Conservation Districts, form the State Executive Board of District Directors. Increased funds have been requested to make it possible for a State Representative to visit with each District to provide orientation and training programs, and to attend the annual convention of the National Association of Conservation Districts.

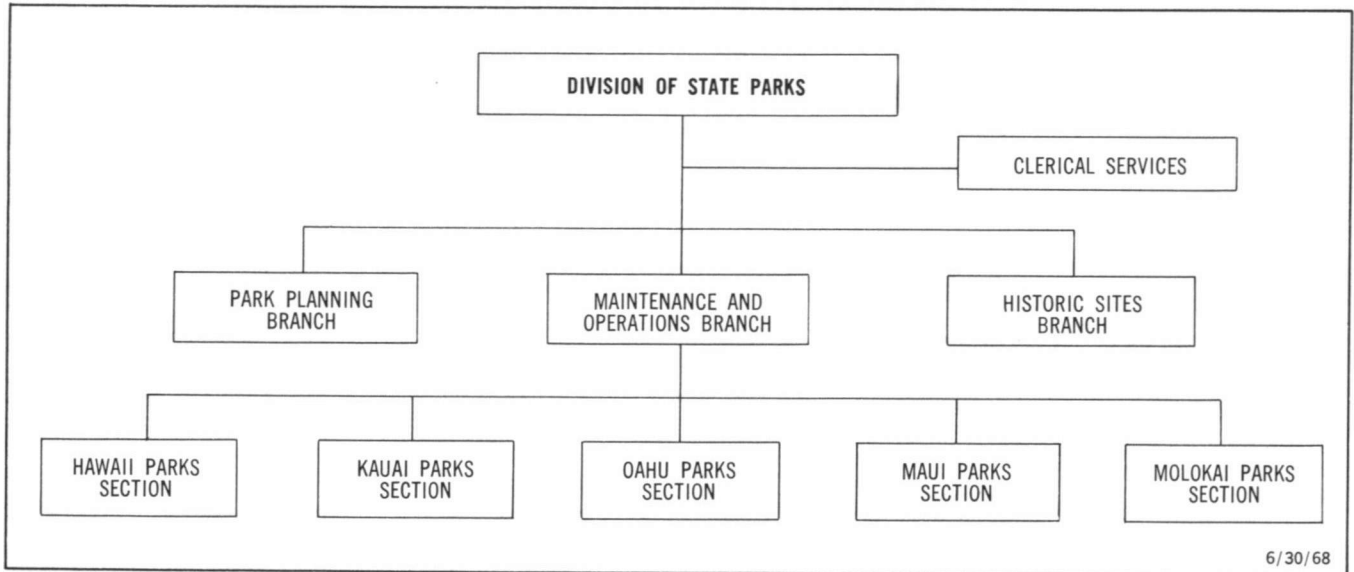
Attendance at the convention is a must for the State Representative as NACD is the national instrument and voice of the Conservation District program.

SECTION 6

Division of State Parks

JOSEPH M. SOUZA, JR., State Parks Director

ORGANIZATION CHART — DIVISION OF STATE PARKS



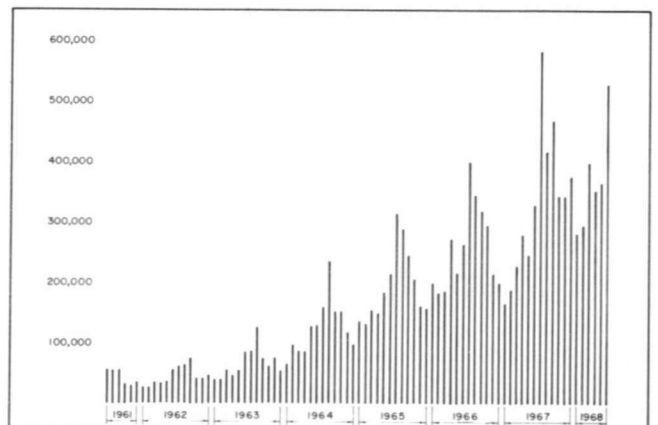
The primary objectives of the Division of State Parks are to provide an optimum variety, quality and quantity of outdoor recreational, natural and historical opportunities to meet the existing needs of the people of the state; and to provide for the utilization, conservation and preservation of natural resources and historical sites to meet future needs for outdoor recreation and cultural enrichment. The Division is primarily responsible for planning, acquisition, development, management and maintenance of state parks and state monuments; whether historic, archaeological or scientific; and for all outdoor recreational (except hunting and fishing), esthetic, historic and archeologic values and uses of state lands and of Conservation Districts. The Division's development and management program is especially oriented toward facilitating high quality esthetic, outdoor recreational and cultural experience by the protection, development and interpretation of those park and historic sites that possess such fine qualities to be of statewide importance.

Hawaii's superlative scenic features and recreational opportunities are prime attractions for the state's most important growth industry — tourism. Many historic structures and archaeological sites are unique in the nation, and their potential for attracting and holding the interest of visitors is just beginning to be realized. The Division seeks to preserve and enhance these natural and cultural features in an effort to maintain the Hawaii that visitors seek and residents love.

Population, spendable income, leisure time, mobility and urbanization all affect recreation trends and all are simultaneously increasing in Hawaii at greater than the

national rate. Increases in recreation demands are being felt ever more acutely. Tourism and resort facility demands are also on the increase.

An important function of the Division is to provide low-cost overnight accommodations for inter-island vacationers. Although camp-grounds are provided and maintained in a number of State parks and recreational areas, the nature of inter-island transportation is such that use of these camping facilities tends to be limited to local residents. Thus increasing efforts of the Division are being directed to development of fully equipped camping shelters and cabins for the low-cost accommodation of families and groups on vacation trips. It is expected that this function will assume increased



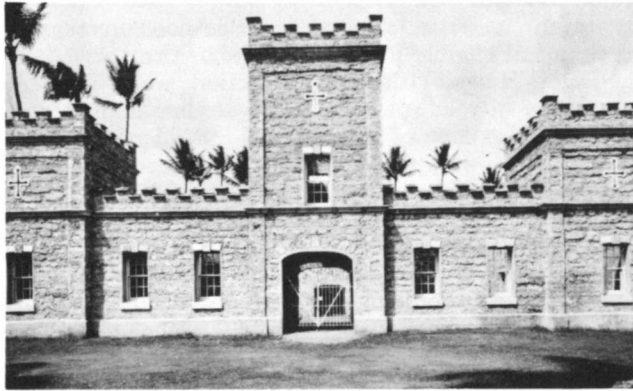
Monthly visitor volume shows both seasonally and upward trend of State parks usage.

importance as high volume, low-cost inter-island transportation becomes a reality.

There were no significant statutory or administrative changes during the fiscal year affecting the status of functions of the Division. The Board of Land and Natural Resources has however placed increased emphasis on enhancement, development, and conservation of the recreational resources of the State.

HISTORIC AND ARCHAEOLOGICAL SITES

Activities of the Historic Sites Branch, the newest branch of the Division, increased greatly during the fiscal year. The publication of "Monarchy Promenade", a walking tour guide of central Honolulu historic

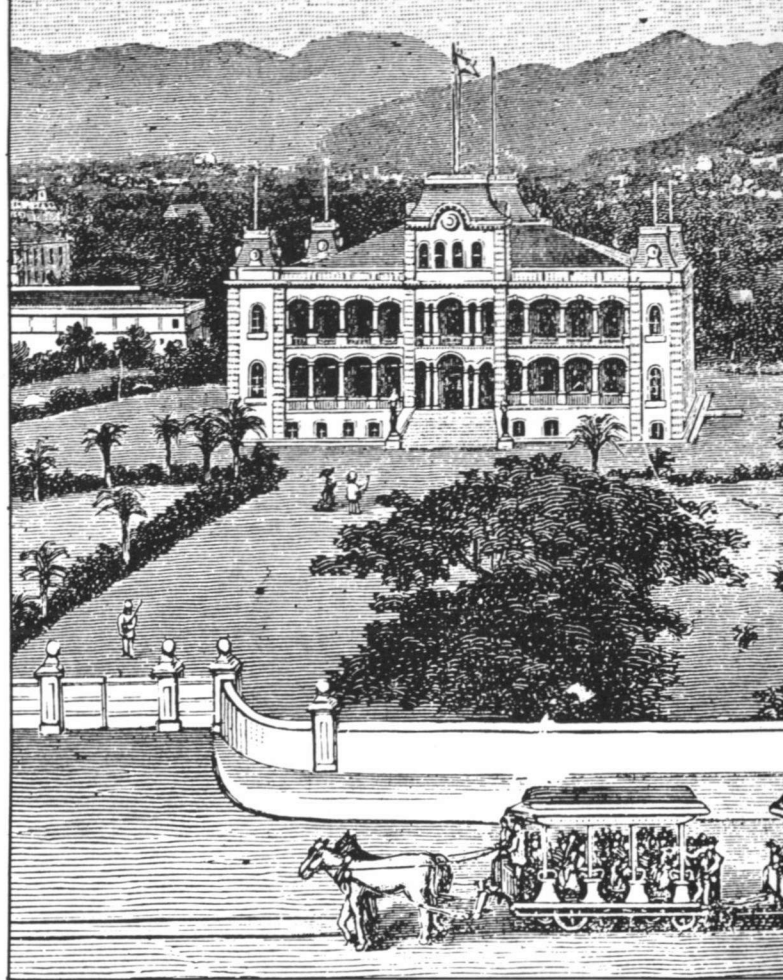


Partially reconstructed Iolani Barracks was moved from new capitol site to the grounds of Iolani Palace.

Historic American Buildings Survey Photo

buildings and sites, coincided with the July dedication of a plaque designating Iolani palace a National Historic Landmark. Formal ceremonies were attended by more than 2,000 persons. The self guided tour has become so popular that the "Monarchy Promenade" brochure has gone into extra printings. Within the area, Iolani Palace historic building survey drawings are being completed, and plans are being prepared for the completion of the reconstruction of Iolani Barracks and its refurbishing as a museum of the Royal Guard. A state historic site plaque was dedicated and placed upon Aliiolani Hale, the Judiciary Building.

An archaeologist was hired early in the year to assist in carrying out the Division's responsibilities for the preservation of archaeological remains on state lands and in the Conservation District. In furtherance of this function, and in coordination with the University of Hawaii and Bishop Museum, the Division has been established as the clearing house for archeological investigation within the state, and archaeological site regulations have been prepared to apply to such investigative work. The Division has been retained by the Department of Transportation to do archaeological reconnaissance and salvage for the new Kailua-Kawaihae highway and Keahole Airport in No. Kona and S. Kohala, Hawaii. In cooperation with the University of Hawaii and the National Science Foundation, the Division entered into the largest archaeological site investigation ever carried out in the State, at Lapakahi, North Kohala. Currently available evidence indicates a uniquely intact complex of interdependent fishing and agricultural settlements which will lead in the future to a fine interpretive site



Iolani Palace in the days of the monarchy as featured on the guide to the historic buildings walking tour. Care of the grounds is a Parks responsibility, and restoration of the buildings is planned.

depicting a typical ancient community.

This year saw also the inception of a scholarly publication **State Archaeological Journal**. Circulation of the first edition, though limited for production reasons, has been wide and it is believed that this organ will make useful contributions to a growing body of knowledge by extending an understanding of Hawaiian archaeology around the world. Already, requests for inclusion in Division mailing lists have been received from national and international agencies and organizations. Manuscripts in Hawaiian archaeology have been submitted by qualified sources from points as distant as Yale. At year's end, preparation for three subsequent editions of the **Journal** is well advanced.

The Historic Sites Branch has assisted other divisional and departmental programs by providing historic and archaeological research and evaluation on numerous occasions. Cooperative assistance is also given to other agencies. The Division Historian was the honored recipient of an all expense fellowship to a seminar on the administration of historical agencies and museums in Portland, Oregon, conducted by the American Association on State and Local History and the Oregon Historical Society with the support of the National Endowment for the Humanities.

During the year, the Division assumed responsibility for the administration of the Royal Mausoleum in Honolulu and of Hulihee Palace in Kailua-Kona, Hawaii. Both of these well preserved facilities are associated with the late monarchy period and are heavily



Left: Students and archaeologists from as far as Japan and the U. K. probe the secrets of a Lapakahi site, using one-meter grid system. Center: Busses and visitors crowd approach to Iao park, Maui, to see its famed "needle", out of camera view to the left. Right: Hulihee Palace, Kona's royal retreat, presents a porticoed front to the sea.

ly visited by local residents as well as being popular with visitors to the state.

At year's end, commitments were made to hire a museum and interpretive specialist to strengthen this important aspect of the division's program.

PARK ACQUISITION AND DEVELOPMENT

The principal state park acquisition in progress is that of the entire Kahana Valley on windward Oahu. During the year the third \$1,000,000 payment was made and the appropriation for the fourth was received. Proposed as the headquarters site of the national Pacific Tropical Botanical Garden and of a Thai village reconstruction, as well as a major state park, this 5,260 acre purchase is the largest condemnation proceeding ever attempted by the state. The final \$1,000,000 appropriation of this \$5,000,000 purchase is anticipated from the 1969 legislative session. Meanwhile, planning data are being assembled and negotiations are well advanced for preparation of a master plan by consultant contract.

Other land acquisitions recently completed or in progress to round out existing parks include lands in Hapuna and Wailoa River parks, Hawaii; Waianapanapa park, Maui; and, Wailua River park, Kauai.

Expenditures of nearly \$1 million were made during the year for construction projects. A major visitor orientation center building, at a cost of approximately \$300,000 was constructed in Wailoa River State Recreation Area, Hilo. Of circular plan, it is designed to contain ten major and a number of minor exhibits pertaining to the natural and historical resources of the island of Hawaii. Also in Wailoa River park, a major footbridge is under construction. Two double span structures of an arching design will connect, via a small island, the older and newer portions of the park at the outlet of Waiakea Pond. A major dredging and grading project has been completed, naturalizing a portion of the channel of Waiolama Canal.

Development has started on Hapuna Beach State Park, near Kawaihae. This former county park is being completely rebuilt and greatly enlarged. The development was given considerable impetus with a donation by the Laurance Rockefellers of a ten building organization camp complex, in place on the site. This park has been accepted by the Bureau of Outdoor Recreation (BOR), as a Land and Water Conservation Fund proj-

ect, with land acquisition and outdoor recreation development eligible for 50% reimbursement.

Other Hawaii Island construction work includes completion of road, parking and waterline additions in the Pohakuloa area of Mauna Kea State Park, another BOR project, and the beginning of a new recreation area in Kalopa Forest, near Honokaa.

On Maui, site improvements continue in Waianapanapa State Park, also a BOR project, and plans are nearing completion for six additional vacation cabins, a concession building, picnic facilities, utilities and other improvements. A construction contract has been let for a complete new picnic and swimming facility at Wahikuli State Wayside, near Lahaina, commonly known as Sandbox Beach.

A major contract nearing completion in Keaiwa



Footbridge connecting major elements of Hilo's Wailoa River park arches to let small boats pass.

Heiau State Recreation Area, Oahu, will provide a completely separate overnight campground area, with a loop access road, utilities, a park ranger's residence, and improvement of the setting of the Heiau. Work to follow will include new campground facilities, revamped picnic areas and rerouted and reconstructed trails in this very popular camping and hiking park.

Visitors to Waimea Canyon can enjoy a brand new viewpoint at Puu Hinahina, providing a distinctly different aspect of the spectacular gorge than that provided at the old Waimea Canyon Lookout. The new facility provides parking, utilities and overlook terraces with very impressive views of the canyon and also a subsidiary viewpoint of Kauai's little visited neighbor island, Niihau. A joint effort of the Division and of Hawaii Job Corps, the already popular facility is a tribute to both. Also in the vicinity, significant parking and access road improvements were made at Waimea Canyon Lookout and at the Kanaloahuluhulu

campground, in Kokee State Park. On Kauai's northwest coast, the development of a new park at Polihale, Barking Sands, is well advanced. It will provide overnight camping, picnicking and swimming facilities, with nearby archaeological features at the beginning of the spectacular Na Pali Coast.

Major marina facilities became fully operational in Wailua River State Park, a BOR project on Kauai, providing the terminus for tour boats, public launching and moorage facilities, and concessions, including a major restaurant. Though an estimated 145,000 persons used the facility in this first partial season, usage is estimated to exceed 300,000 next year. A major master planning study is in progress for this park complex and its environs, looking toward the best management and utilization of its excellent scenic, recreational, historical, archaeological and other values.

PARK USAGE

There were an estimated 4,767,000 individual recreation visits to the state parks during the fiscal year, a 49% increase over the estimate for the previous year. While this rate of increase has not been constant each year, there has been an average annual increase of 49% during the past five years, a truly phenomenal growth. The 1,563,000 increase alone over the previous year is considerably greater than the estimated total usage of the system just five years ago. Comparative statistics are provided in the appendix.

Recent studies indicate some parks receive a large percentage of their use from out-of-state visitors, the

most popular being the Fern Grotto area of Wailua River State Park, Kauai, with more than 90% being from outside Hawaii. On the whole, however, the greater volume of usage of the system comes from within the State. Usage figures do indicate some sensitivity to changes in visitor patterns, however, as well as to general vacation patterns. In addition, Hawaii's climate is such that average heavy use months consistently tally less than twice the usage of average light use months. This is in great contrast to the very marked seasonality of use of outdoor recreation facilities experienced in essentially all mainland areas. This factor and the usage increase are such that the lowest usage month of this year (January, 282,000) was higher than the peak month of only three years ago (August, 236,000).

Though increases in population, spendable income, leisure time, mobility and travel, and intensification of urbanization have a major influence on the upward trending usage, the Division's continued insistence upon high quality maintenance and heightening of the recreation experience are having an effect also. Popular tastes in recreation and cultural experience are becoming more discriminating, a trend reflected in the greater uses of facilities that more nearly meet these demands.

PARK OPERATIONS

A measure of the efficiency of the Division is the operating cost per recreation visit. With operating expenditures at \$373,000 and park usage estimated to be 4,767,000, the cost per recreation visit reached a ten



Ferns festoon Kauai's Fern Grotto, one of the most popular visitor attractions.



Hapuna Beach, one of Hawaii's finest, fronts future major State park.

year low of 7.8c, greatly below the last reported national average of 24c.

In order to attain the desired operations goals of high standards of maintenance and a rewarding recreational experience, it has been necessary to emphasize in-service training.

Field personnel are being made ever more aware of the natural history and cultural aspects of the areas they work in; so they may be more informative and helpful to the using public, and so they can maintain and develop the areas more sensitively. Field personnel must also be fully conversant with the laws and regulations they are required to enforce, the handling of hazardous situations and emergencies, and the like.

The Federal Government continued to finance the Nelson Amendment Program (Operation Mainstream) on the island of Oahu. Fourteen maintenance crewmen and one half-time clerk stenographer are employed by the Division on this project. The maintenance crewmen are receiving work training experience in the areas of maintenance, protection, improvement and beautification of State parks and historic sites. The Division has employed one of the "graduates" of this program as a permanent groundskeeper for Iolani Palace.

Approximately fifty students were employed during the summer in the Hawaii and Kauai park districts to

assist in the eradication of noxious plants, trail clearing and other maintenance and operational tasks.

Considerable benefits are being realized, both to the State in the form of facilities and services, and to the participants in the form of developed employable skills from the Nelson Amendment and student help programs.



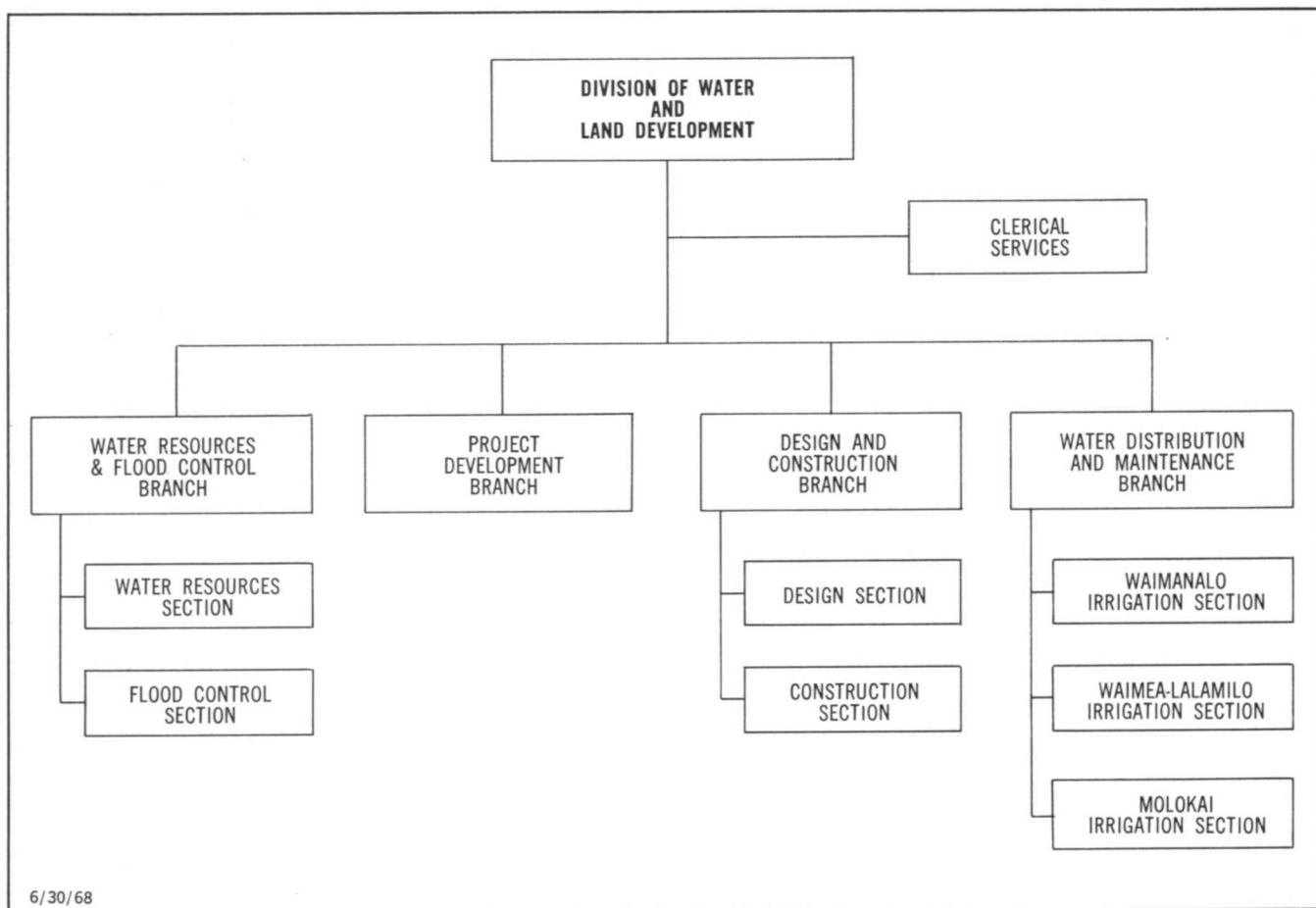
Emerging Polihale park lies at beginning of Kauai's spectacular Na Pali Coast.

SECTION 7

Division of Water and Land Development

ROBERT T. CHUCK, Manager-Chief Engineer

ORGANIZATION CHART DIVISION OF WATER & LAND DEVELOPMENT



WATER RESOURCES

The Department of Land and Natural Resources is the state water resources agency and administers the State's water resources program through the Division. Under this program, the Division coordinates state-wide water resources planning, research, development and management activities; carries out comprehensive state-wide 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 social and economic growth over the past year continues to place an increasing demand on Hawaii's water resources planning, research, development and management. Federal, state, county and private organizations have shown great concern and are developing programs to meet specific needs. It is essential that the state water resources agency concerned

with all uses of water coordinate all programs to maintain a balanced allocation of water uses.

During the past year, a coordinated "Preliminary Plan of Study" for a proposed Hawaii Region Water Resources Framework Study was initiated and completed at the request of the federal Water Resources Council. The Council, in February, 1968, requested the Department to form a multi-agency coordinating committee to prepare a preliminary plan of study and budget estimates for the proposed framework study for Hawaii. Participating federal agencies on the committee include the Department of Agriculture; Army; Health, Education and Welfare; Interior; Commerce; Housing and Urban Development; Transportation; and the Federal Power Commission. Also included were all the state and county agencies which have an interest in water resources and related land activities.

Hawaii is one of 20 regions covering the United

States, Puerto Rico and the Virgin Islands designated by the Council for framework studies. The basic objective of these studies is to provide for the best use, or combination of uses, of water and related land resources to meet all foreseeable short and long-term needs.

The "Preliminary Plan of Study" reported that the proposed framework study for Hawaii will take three years to complete and is estimated to cost \$2.258 million. The study will provide general analyses of relevant water and related land resources problems of Hawaii and will appraise the probable nature, extent, and timing of measures for their solution. The framework study will begin upon approval of the Water Resources Council and funding by Congress.

Continuing major emphasis was placed on the statewide comprehensive water resources planning program. The State Legislature made available \$100,000 for this purpose and \$39,400 in federal grants was received from the Water Resources Council, under Title III of the Water Resources Planning Act of 1965. In addition, matching funds were received from the U. S. Geological Survey, Corps of Engineers, and Soil Conservation Service for this program. In view of Hawaii's insular geography, 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 all water and related land resources data is in publication. Formulation of guidelines for future planning, research, development and management of the island's total water resources is underway.

Considerable emphasis was also placed on the basic water resources data collection program by evaluating the present data collection networks, and in design of new networks. With assistance from the University of Hawaii Water Resources Research Center, a program of relocating and establishing new stations is being prepared based on the future needs of the federal, state, county and private agencies in Hawaii. The major elements included in the data collection program are precipitation, stream flow, ground water occurrence and availability, water use, and flood data.

Under a cooperative agreement with the U. S. Geological Survey, the Division continued its broad program in 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 stream flow records in a report entitled, "Water Resources Data for Hawaii and Other Pacific Areas — 1967." 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 island of Hawaii. Other investigations in the Lahaina District of the island of Maui are continuing. The results of the reconnaissance investigations will be used in evaluating data collection networks, and in preparing the comprehensive water resources planning for the islands. Areal hydrologic investigations for the island of Oahu, which are detailed studies of hydrological conditions, are nearing completion. The final reports for Windward Oahu and Kahuku are being published by the federal government printing office. The North Central Oahu Study is undergoing review in the regional and Washington offices of the

U.S.G.S.

The Division, under a cooperative climatological data collection program with the U. S. Weather Bureau and the Hawaii Sugar Planters Association, is continuing to maintain records from approximately 1,000 rain gages throughout the state. Periodic field inspections are being carried out to assure the reliability of rainfall records under this cooperative program.

The state-wide exploratory well drilling program, is designed and programmed to provide subterranean, hydrologic and geologic information in selected areas. Contracts were awarded for drilling at Kalaoa (near the proposed Keahole airport) and Pohakuloa, both on the island of Hawaii.

About 500 wells were inspected and tested to determine compliance with existing statutes governing artesian wells in Hawaii. Those found in violation were corrected through such actions as sealing, controlling or repairing the wells.

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

FLOOD CONTROL

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



Boat launching ramp under construction at the Wahiawa Reservoir, Oahu.

meritorious flood control projects. 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 coordinates the program activities of all agencies of the state; 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 meritorious flood control projects. The Division,



Diversion Channel for Puukapu Watershed Project.

working closely with federal, county and private agencies and community organizations, has emphasized the need for accurate information on and careful delineation of flood plains to minimize damage caused by flooding. The U. S. Army Corps of Engineers and the U. S. Geological Survey are providing assistance in preparing flood plain information reports which point out the flood hazards and recommend corrective action necessary to minimize damage. A final draft of the flood plain information study report for the Pupukea-Paumalu area on Oahu was completed. Studies requested by the Division and now in progress include Kihei, Maui; Anahola, Kauai; Waialua, Oahu; Waiahole-Waikane, Oahu; Makaha, Oahu; Waimanalo, Oahu; 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, canvass 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 a cooperative effort by the U.S.G.S., Department of Transportation, and Department of Land and Natural Resources, a network of rainfall and streamflow gages is being installed in the Moanalua Watershed to provide data for a rainfall-runoff study.

The Department, together with the County of Hawaii and the Mauna Kea Soil and Water Conservation District, is co-sponsor for the Puukapu Watershed Project on the island of Hawaii. This project is presently being constructed under Public Law 566, administered by the U.S. Soil Conservation Service. The first and second phases consisting of the construction of a flood water retarding dam and floodwater discharge wells have been completed. The final phase consisting of a diversion channel from Lanimaumau Stream to the floodwater retarding dam is under construction. Other projects under Public Law 566 include the Kona Watershed Project on Hawaii for which construction is authorized and the Kahaluu Watershed Project on Oahu and the Honolua Watershed Project on Maui, for which final planning is in progress. The Wailuku-Alenaio Watershed and Waiohinu Watershed projects on the Big Island and the Honouliuli Watershed project on Oahu are being accelerated by the Division through a contribution of \$20,000 under a trust fund agreement with the U. S. Soil Conservation Service.

Under Section 205 of the Flood Control Act of 1948, which provides federal assistance through the Corps of Engineers, the Kulioou Flood Control Project sponsored by the City and County of Honolulu, and approved by the State is ready for construction.

At the request of the Division, the Corps conducted an investigation for flood control in the Kalihi Stream

area on Oahu under Section 205 and found the project to be favorable. Because Section 205 limits federal expenditures to \$1,000,000 the Division is seeking congressional authorization for a flood control survey which will allow for a greater contribution by the federal government thereby reducing the local contribution toward this project.

MINERAL RESOURCES

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 in the State. It also provides technical assistance to the Department, other government agencies, and the general public on all matters relating to mineral resources.

During the fiscal year, more than 250 requests for technical information and rock samples were handled.

WATER DEVELOPMENT

The development of water resources for irrigation and domestic use and the construction of transmission systems comprise an important function of the Division.

The Kona Water Project which is designed to serve the domestic water needs of Kona was continued during the past year. In South Kona, an 8-inch transmission main was installed to within half a mile of the Keokea Junction. Construction plans for an extension of this transmission main to Hookena School have been completed. In North Kona, construction was initiated on a transmission line to the new Kealakehe School which is now under construction. This project is scheduled to be completed before the new school is opened in November.

The Department has embarked upon studies and construction work to supply domestic water for proposed state and private development along the coastal areas between Kailua and Kawaihae on the island of Hawaii. Studies have been completed for a transmission main from the Kona Water System to serve the marina and the Keahole Airport and other proposed developments in the area. A contract was initiated for an exploratory well near the Keahole Airport to determine if ground water is available to serve the Keahole Airport area. Plans have been completed to extend the 12-inch main to Hapuna Bay in the Kawaihae area.

The search for water in the Pohakuloa area on the island of Hawaii, to meet the requirements of military and state park activities, was continued. A joint geophysical investigation carried out with the Water Resources Research Center of the University of Hawaii and the U. S. Geological Survey, resulted in a contract for the drilling of a 350-foot exploratory well. The investigation also indicated that high level ground water may exist approximately 3500 feet below the surface of the ground. Studies were initiated on the engineering

and economic feasibility of drilling a 3500 foot exploratory well. Another potential water source under study to serve this area is the headwaters of the Wailuku River.

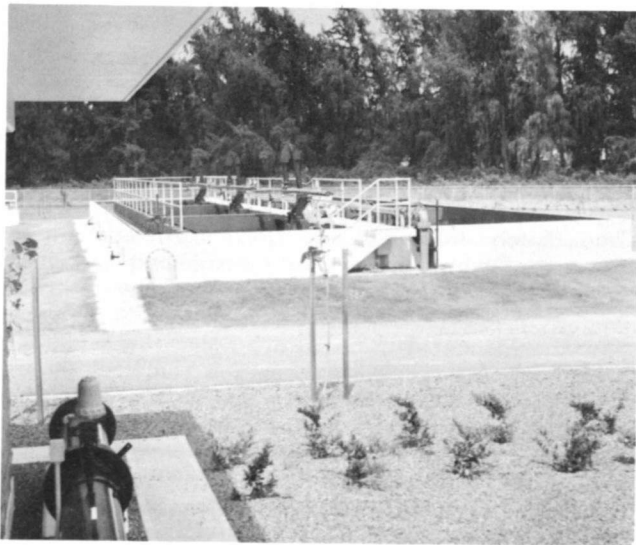
All major segments of the distribution line in the service area of the Molokai Irrigation Project have been completed, or are under construction. This project is estimated to cost approximately 9.9 million dollars and is financed in part by a loan of 4.5 million dollars from the U. S. Bureau of Reclamation and in part by state funds. Bids were opened and construction is expected to begin shortly for the 1400 million gallon Kualapuu Reservoir. This reservoir will store water during periods of high flow in the source area at Waikolu Valley to enable the irrigation of approximately 16,000 acres of pineapple and crop lands. Construction plans for the lining of this reservoir with low-cost membrane-type material have been completed and will be advertised shortly.

Since the present supply of water is inadequate for the full economic development of the island of Molokai, studies are being conducted for the development of additional water from the source area including the development of water from the as yet untapped Pele-kunu Valley.

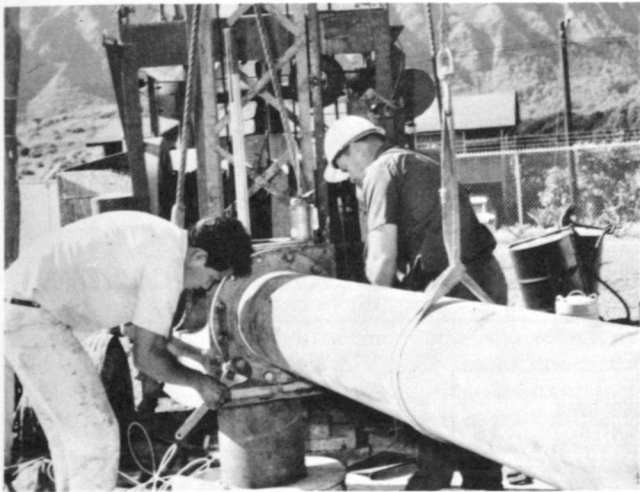
A major step in the water development of the Hamakua-Kohala area was initiated by the opening of bids for the construction of the 50 million gallon Waikoloa Reservoir. This reservoir will increase the supply of domestic water to the Waimea-Kawaihae area to two million gallons per day. An application has been made for federal funds to partially finance the proposed water treatment plant. A major requirement of this treatment plant is the removal of color from the water and the design was aided by a color removal study conducted by the Water Resources Research Center.

LAND DEVELOPMENT

The Division is actively engaged in development of state-owned lands for residential, industrial, recreational resort and other uses. A consultant, retained by



View of aeration and settling tank at the Waimanalo Sewage Treatment Plant.



Sewage effluent injection well being readied for testing at Waimanalo, Oahu.

the Department, has completed "The Sand Island Development Plan". Major recommendations of this plan for the full development and utilization of Sand Island are (1) a 4-lane freeway across Sand Island from Middle Street to Ward Avenue, including two underwater vehicular tunnels crossing Kalihi Channel and Honolulu Harbor entrance channel; (2) reclamation of 280 acres of reef land to increase the land acreage of Sand Island to 793 acres and (3) designation of approximately 343 acres for "waterfront industrial" uses and approximately 450 acres for "light industrial" uses, including a 70-acre sewage treatment plant site.

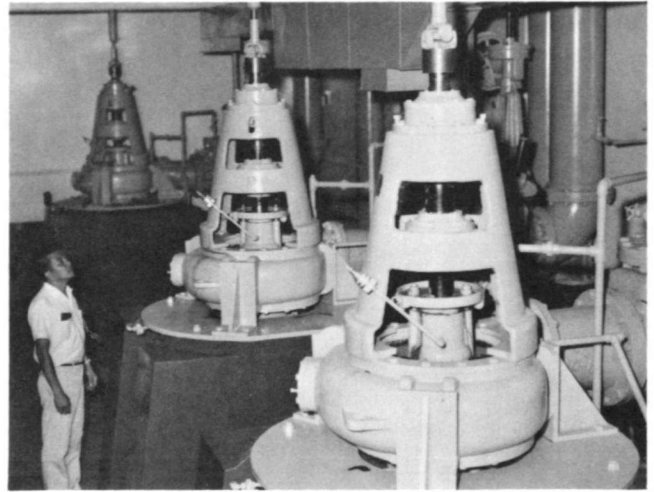
Construction was commenced on the final segment of the Shafter Flats Industrial Subdivision which will improve approximately 15 acres of land. This development project is near the intersection of Kamehameha Highway and Middle Street on Oahu. The work consists of filling and grading the land, and improvements to the adjacent Moanalua Stream, to provide sites for state agencies which must be relocated from the Ft. Armstrong area.

The sewage treatment at Waimanalo plant has been completed. Three effluent disposal wells were constructed and tests show that the wells can effectively dispose of the effluent from the treatment plant. This method of the disposal of the effluent by injection into deep wells is unique and will provide substantial savings for the state over the alternative method of disposal through a long outfall into the ocean. Plans and specifications for a sewage pumping station and interceptors, and connection of the sewage effluent to the disposal wells are almost complete. This project is receiving a federal grant, from the Federal Water Pollution Control Administration under Public Law 660, for a portion of the project.

Construction work has commenced for the widening and realigning of Banyan Drive within the Waiakea Peninsula, Hilo. This project will revitalize this beautiful peninsula and provide the services needed to adequately support this rapidly expanding hotel area.

IRRIGATION SYSTEMS

The Waimanalo Irrigation System continues to serve 95 farmers who occupy 905 acres in Oahu's largest



Sewage pumps for our Waimanalo Core Development 11 m.g.d. Sewage Treatment Plant.

diversified agricultural area. Water sales for the year totaled 75.4 million gallons, the lowest consumption by farmers since the State took over the system in 1953. High rainfall of 73.65 inches in a normal 45-inch annual rainfall belt caused the low water sales. Weather conditions experienced in mid-December adversely affected crop production for at least three months. Over 23 inches of rainfall was measured in December, the highest December reading in the U. S. Weather Bureau's 67 years of records. High winds and flooding caused \$10,000 in damages and destruction to the system's facilities. Although direct crop damage from the December storm was relatively light, production suffered for the following three months due to wet conditions caused by continuous rainfall. Toward the end of the year the majority of the producers had recovered and good progress in their operation was noted.

The Lalamilo Irrigation System continues to serve 24 farmers who cultivate 195 acres. Water sales for the year totaled 93.8 million gallons, a decrease from the previous year due largely to heavy rainfall from December 1967 through April 1968. A flood in the Lalamilo area on April 20, 1968 caused an estimated \$125,000 in damage to crops and farmlands. Crop production increased slightly from 6.28 million pounds to approximately 6.60 million pounds. Three men maintain the entire Lalamilo Irrigation System which consists of 6.25 miles of water collection ditches in the Kohala Mountains; two reservoirs, with a storage capacity of 65 million gallons; and many miles of pipelines and roads. Billings and collections are conducted at the field office, and the staff assists the U. S. Weather Bureau and the U. S. Geological Survey in the maintenance and operation of scientific instruments.

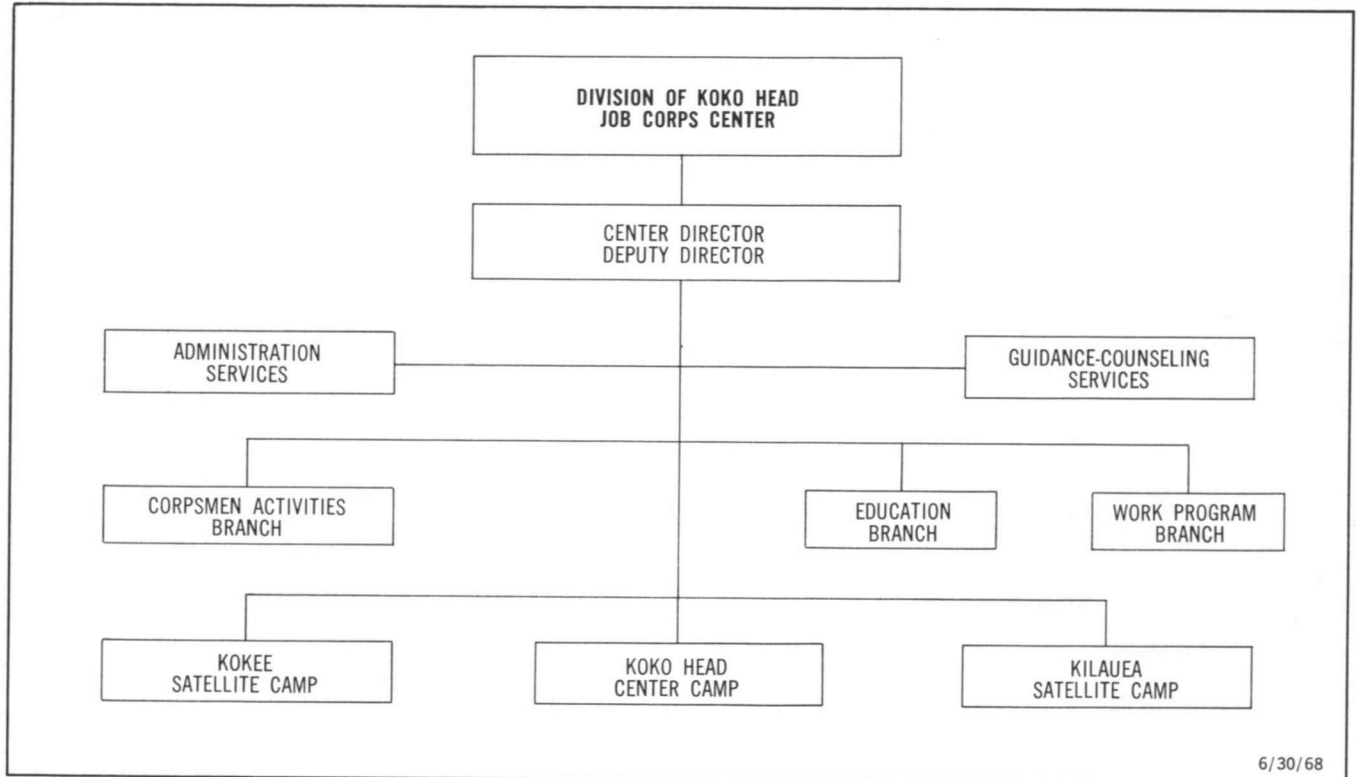
Molokai Irrigation System completed its third year of operation. During this period, distribution mains were installed along Puupeelua, Hauakea and Farrington Avenues. The total acreage of pineapple land irrigated by this system increased from 3,203 acres to 5,000 acres and the acreage of diversified crops irrigated is now 320 acres. Water sales for the past year totaled 344.6 million gallons despite the long pineapple strike and a very wet season from January through April 1968.

SECTION 8

Division of Koko Head Job Corps

RONALD F. BRISSETTE, JR., Executive Assistant

ORGANIZATION CHART — KOKO HEAD JOB CORPS CONSERVATION CENTER



The Koko Head Job Corps Civilian Conservation Center, administratively the Job Corps Division of the Department of Land and Natural Resources, is responsible for implementation and execution of a program for disadvantaged male youths in the State of Hawaii. The basic mission is to "provide a residential training program designed to induce self-sustaining and productive young adults, sixteen through twenty-one years of age, to be responsible citizens by means of an integrated educational vocational, guidance, and residential living program". This program is aimed at youths who are generally school "dropouts", unemployed because of lack of employment skills or who are unable to assume the responsibilities of employment. They need a major change in environment to change their attitudes, self-image and confidence, and to seek more orderly and meaningful existence.

LEGISLATION

The Koko Head Job Corps Civilian Conservation

Center is authorized under OEO Contract No. 648 between the State of Hawaii, through the Department of Land and Natural Resources, and the Office of Economic Opportunity which has its authority under Public law 88-452, more popularly known as the Economic Opportunity Act of 1964. All Federal "anti-poverty" programs emanate from this basic law. The Job Corps program is one of the many anti-poverty programs designed to render assistance to disadvantaged citizens on the lower stratas of our social and economic order.

The Contract provides for a program consisting of a base camp at Koko Head and two permanent Satellite Camps located at Kokee, Kauai and Hawaii Volcanoes National Park, Hawaii.

All funding for the program is contractual obligation assumed by the Federal Government through the Office of Economic Opportunity.

ORGANIZATION

The Koko Head Job Corps Civilian Conservation

Center maintained the same organizational structure in FY 68 with a total staff of 77 which includes Kokee and Kilauea Satellite Camps.

ADMINISTRATION

Since its inception, the Center has functioned administratively as an operating division within the Department of Land and Natural Resources. However, supervision pertaining to the operation and the program is the direct responsibility of the Office of Economic Opportunity (OEO) through its Job Corps Division at Region 7, San Francisco, California. Due to this apparent division of authority and under the reorganization of the Koko Head Job Corps Civilian Conservation Center in January, 1967, the Executive Assistant to the Chairman, a newly created position is responsible for the implementation of policies emanating from the Regional or National Office and is directly responsible to the Chairman, Board of Land and Natural Resources for the operation of the Center.

PERSONNEL

In general it is the policy of the Center to recruit personnel from the island on which the camp is located. With exception of the Camp Director and Teacher/Counselor, all staff members at the Satellite Camps were recruited from the island on which the camp is located.

These employees were required to undergo orientation and training at Koko Head prior to assuming their duties shortly before the camps became operational. This practice enables each camp to function adequately with a minimum of confusion and disruption.

A continuous program for staff training and orientation on Job Corps policies, objectives and behavior management, has paid handsome dividends in terms of developing an attitude of "self involvement" and a real "concern" for the program. Their dedication to the part they play in the total program has enabled staff to reach a greater number of our unmotivated disadvantaged Corpsmen who enter the program with a "show me,"



Corpsman on bulldozer cleaning athletic field at Koko Head.

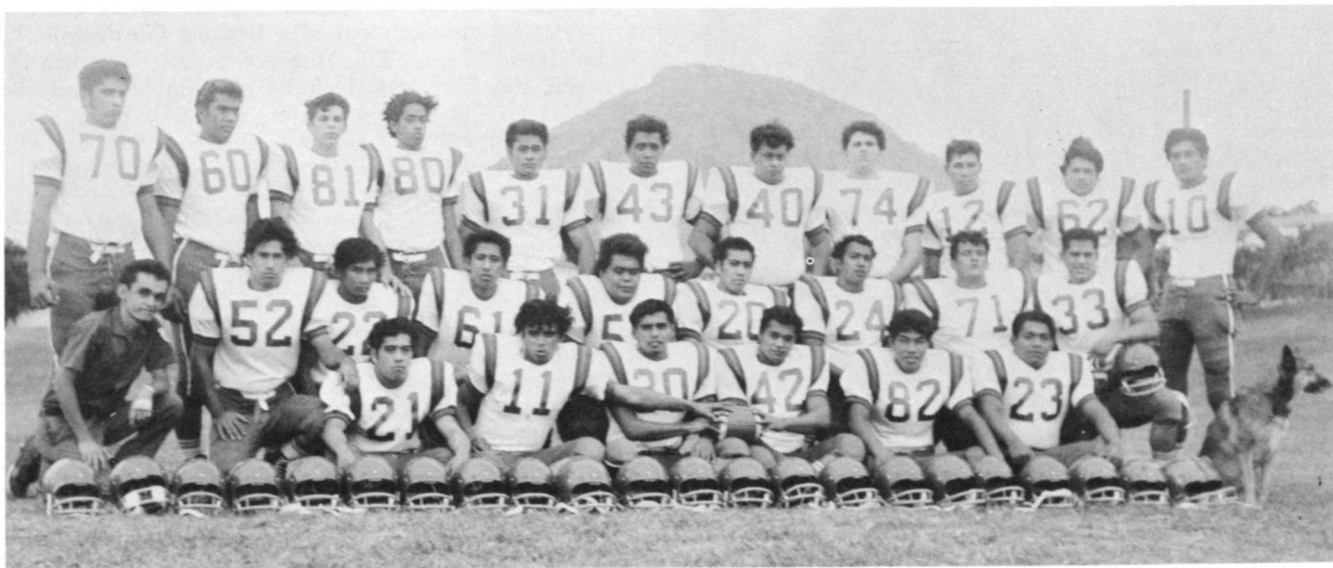
"wait and see", or, "I don't believe anyone is interested in me" attitude.

Key staff members from the various branches also attended the programmed training institutes and conference sponsored by the Job Corps Regional and National Offices for the purpose of learning the trends, techniques and other useful information in working more effectively with disadvantaged youth. Each staff member who attends such institutes disseminates such knowledge and information gained, through the Center's orientation and staff training program.

CORPSMEN ENROLLMENT AND GRADUATION

Koko Head Job Corps's authorization to screen and recruit was terminated July 1, 1967. Since input was only through the Employment Service, our enrollment dropped steadily throughout the year. On February 1, 1968, Koko Head began recruiting again, but it became apparent that it would be difficult to regain the losses. On June 30, 1968, enrollment was 200 men.

During the past year ninety-six Corpsmen were placed in jobs, twenty-five entered the armed services or joined the Merchant Marines, ten were transferred to Urban Job Corps Centers for more extensive vocational



Job Corps football team.



Heavy Equipment Instructor and trainee on motor grader.

training, eighteen returned to school, and three enrolled in the University of Hawaii's Upward Bound Program. This dramatically illustrates the efficacy of the Job Corps Program. The average level at which these disadvantaged youth are functioning when they enter the program is the third grade. For these youths, their accomplishments reflect the effectiveness of the program. This represents a direct savings to the State since rather than being economic and social liabilities they are productive members of our community.

Building of a new classroom at the Kilauea Camp began May 1, 1968. The estimated cost of this building is \$43,900. It should be completed by October 1, 1968.

MAJOR CONSTRUCTION EDUCATION

The major function of the Education Branch is to



Reading instructor and Corpsman.

develop and implement an educational program providing each Corpsman with academic and human relations skills he needs for employment and personal fulfillment. Accordingly, the education program is required for each Corpsman and provides instruction/training in reading, mathematics, driver education, health, language study skills and world of work.

The success of the education program depends essentially upon Corpsman motivation to achieve educationally. This motivation is provided through delicate blend of: small teacher-pupil ratios; programmed learning and audio/visual materials; and group discussion techniques. The Education Branch personnel are constant recipients of in-service training to maintain their skills current for continued effective instruction.

WORK PROGRAM

The Work Program has been and is continuing to emphasize improvements and beautification of the Koko Head, Kokee and Kilauea Camps.

The goal of the work experience program is to teach work habits, vocational skills and provide for the practical application of the knowledge learned in the education program, while simultaneously contributing to the conservation of national and state natural resources and community service projects.

The work programs must be properly planned to provide continuous and progressing training opportunities for the Corpsmen. Although production is vitally important, the prime concern must be for the training values. Absolute integration of the education and vocational training programs with the work program is essential to successfully meet program objectives.

Major work projects in which the Job Corps work program is deeply involved include development of the Palea Campground at the Koko Head Park, which is being carried out in cooperation with the Parks and Recreation Division of the City and County of Honolulu. The major portion of the project consists of clearing and developing approximately 50 acres of raw land into a picnic and camping area.

Parallel with the development of the campground, is a project for development of a Botanic Garden site at Koko Head Park. This project is also cooperative between the City and County of Honolulu and the Koko Head Job Corps Center, and will include site clearing and control, as well as tree trimming and removal, planting of desired species of plants, and maintenance of the garden areas.

Corpsmen are also involved in the archeological field investigation of the ancient Hawaiian temple of Wahaula Heiau on the island of Hawaii. This work includes clearing and mapping of the entire site, salvage and restoration of damaged walls, and stabilization of existing wall sections to prevent further damage.

GUIDANCE BRANCH

The Guidance Branch of the Koko Head Job Corps is enjoined to keep the Center Director informed of significant reports, problems, and current conditions in need of investigation and solution within the three Hawaii Job Corps Camps.

The staff supervise and direct individual and group

counseling, coordinate the Job Corpsman advisory system, keep the Center Director informed of activities, make recommendations as to necessary actions, advise the Review Board, and evaluate and recommend disciplinary actions.

Members of the Guidance Branch were effective in informing the public and interested agencies and organizations of the functions and activities of the Koko Head Job Corps through an organized series of lectures and tours of the facilities. During the May-June period alone, a series of six tours were conducted for more than a hundred staff personnel of the State Social Welfare Services.

This branch coordinates Job Corps activities and responsibilities with the Family Courts to arrange appearance of youths for interview and court actions; arranges for initial job interviews and for return to school of those who wish additional education; and aid graduating Corpsmen with the process of induction into the Armed Services when they so desire.

CORPSMEN ACTIVITIES BRANCH

The Corpsmen Activities Branch of the Koko Head Job Corps Civilian Conservation Center has three major areas of responsibilities: (1) Group Living, (2) Recreational Program and (3) Community Relations.

The refinement of Group Living programs over the past year have increased the degree of sophistication in the social and leadership skills and qualities of Corpsmen. Scheduled social skills instructions and leadership courses have contributed much to the upgrading of Corpsmen attitudes and awareness of responsible decision in personal, group and Center programs. Volunteer instructors from the community have contributed much to this social development.

Leadership training is another aspect of the group living program that has received considerable emphasis during the past year.

The recreational program has continued to round-out the Corpsman's day at the Center. Physical development, competitive athletics, arts and crafts, socials and music are the general areas around which the program



Office trainee.

is developed. Center teams competed in formal community leagues in basketball. Non-league competition against community teams was held in softball, volleyball and football at the varsity level. Intramural competition was held in several sports and included pool, ping pong, cards, checkers and other quiet activities. A major consideration in the recreational program is 100% involvement of Corpsmen. Corpsmen participation in the planning, organization and implementation of all programs and activities has been a major objective during the year.

The Community Relations program of the Center has continued to maintain a respectable image of the Job Corps throughout the island community. The Koko Head and Kokee Camp community relations councils have been functioning with great advantage to the respective camps. Both camps have reorganized their councils as required by their respective constitutions and are now launching on new programs to continue the happy relationship between the Job Corps and the support communities. Camp Kilauea has not yet formally organized its community relations council. The Camp Director of Kilauea has high hopes of organizing the council shortly, involving parents of camp enrollees as well as other community individuals.



Corpsmen assisting Fish and Game Division seeding clams in Kaneohe Bay.

SECTION 9

Appendices to the Report

of the Department of Land and Natural Resources

1967-1968

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

PERSONNEL DIVISION**Table 1 SUMMARY OF PERSONNEL TRANSACTIONS — July 1, 1967 to June 30, 1968**

Accessions	148	Reclassification	2
New hire — permanent	53	Intra-agency transfer	8
New hire — temporary	55	Limited term promotion	9
— emergency	22	Voluntary demotion	1
— provisional	18	Temporary assignment	26
Separations	71	Leave Without Pay (Maternity)	5
Resignation and transfer		Leave Without Pay (Others)	10
(Permanent Employees)	24	Extension of Leave Without Pay	1
Resignation and Termination		Extension Probational Appointment	3
of temporary services		Extension Temporary Appointment	8
(Temporary Employees)	42	Provisional to Probational Appt.	2
Retirement	5	TAOL to Limited Term Appointment	2
Other Personnel Actions	114	Detail to SWIS	1
(Excludes increment and pay adjustments;		Job Corps Center	
conversion from probational to permanent		New Hire (Exempt Appointment)	29
status)		Resignation	30
Promotion	16	Reassignment	18
Reallocation	20	Limited Term Appointment	6
		Leave Without Pay	4

Table 2. FULL-TIME PERSONNEL EMPLOYED BY THE DEPARTMENT, BY DIVISIONS AND ISLANDS, AS OF JUNE 30, 1968

Divisions	June 30, 1968						Total
	June 30, 1967	Hawaii	Oahu	Kauai	Maui	Molokai Lanai	
Departmental Administration and Staff Offices	25	—	24	1	—	—	25
Conveyances	40	—	41	—	—	—	41
Fish & Game	50	14	33	5	5	3	60
Forestry	78	28	18	13	13	3	75
Land Management	23	2	21	2	2	—	27
State Parks	77	17	20	34	7	—	78
Water & Land Development	49	4	43	1	—	2	50
Hawaii Job Corps Center	74	11	54	10	—	—	75
NYC Program	1	—	1	—	—	—	1
TOTAL	417	76	255	66	27	8	432

(Excludes Student Helpers employed June-August 1967)

BUREAU OF CONVEYANCES

Table 1. NUMBER OF DEEDS FILED AND RECORDED, APPROXIMATELY VALUE OF LAND CONVEYED AND TOTAL FILING AND RECORDING FEES RECEIVED BY THE BUREAU OF CONVEYANCES FROM 1958 TO 1968

Fiscal Year	Number of Deeds Filed and Recorded	Approx. Value of Land Conveyed	Total Filing and Recording Fees Received
1958-59	9,440	\$112,377,000.00	\$265,461.80
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

Table 2. DOCUMENTS RECORDED AND FILED AND LAND COURT CERTIFICATES OF TITLE ISSUED BY THE BUREAU OF CONVEYANCES FROM 1958 TO 1968

Fiscal Year	Documents Recorded and Filed			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1958-59	50,875	29,422	21,453	4,235
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

Table 3. RECEIPTS AND DISBURSEMENTS OF THE BUREAU OF CONVEYANCES FROM 1958 TO 1968

Fiscal Year Ending June 30	RECEIPTS			DISBURSEMENTS		
	Total	Regular System	Land Court System	Total	Regular System	Land Court System
1958-59	\$ 267,143.20	\$ 170,809.65	\$ 96,333.55	\$ 201,031.28	\$ 118,092.07	\$ 82,939.21
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	158,442.00
10 yr. total	\$3,371,936.88	\$2,304,556.78	\$1,067,380.10	\$2,508,378.11	\$1,447,939.78	\$1,060,438.33

Table 4. VALUE OF PROPERTY TRANSFERS IN THE STATE OF HAWAII, BY COUNTIES, 1958-1968¹

Year ²	MAUI		HONOLULU		HAWAII		KAUAI		State of Hawaii
	% of State	Amount	% of State	Amount	% of State	Amount	% of State	Amount	
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	86.64	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
58-59	1.45	1,632,000	91.95	103,324,000	5.32	5,977,000	1.28	1,444,000	112,377,000

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

²Fiscal years 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 1957-58 TO 1967-68

Years ending June 30	Freshwater Game Fishing		Hunting	
	Number Issued	Collections (dollars)	Number Issued	Collections (dollars)
1957-1958.....	3,320	\$7,191.39	5,290	\$25,738.99
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

Table 2. COMMERCIAL FISHING LICENSES AND PERMITS: 1967-68

Kind of License and Permits	Number	Collections (dollars)
Commercial Fishing—Resident	757	\$ 7,570.00
Commercial Fishing—Non-Resident	3	60.00
Power Boat Permit	370	2,842.30
Row Boat and Sail Boat Permit	17	17.00
Boat Plates (pair)	83	273.90
Mullet License	47	222.50
Lobster License	7	27.00
Commercial Bait Permit	39	39.00
Duplicate Commercial Fishing License	1	.50
Total	1,324	\$11,052.20

Table 3. COLLECTIONS — ALL SOURCES: 1963-64 TO 1967-68

Years ending June 30	All Collections	Commercial Fishing	Freshwater Game Fishing	Hunting	Miscellaneous Licenses, Permits, and Other Income
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
1963-1964	63,605.81	11,223.25	11,225.75	38,180.00	2,976.81

Table 4. FRESHWATER GAME FISHING LICENSE: 1967-68

Type	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	143	\$513.72	1	\$3.57	2,695	\$ 9,970.25	327	\$1,206.20	3,166	\$11,693.74
Non-Resident	—	—	—	—	13	93.75	3	21.74	16	115.49
Juvenile	51	75.60	—	—	464	662.91	101	144.36	616	882.87
Tourist	1	3.56	—	—	24	85.69	12	43.48	37	132.73
Duplicate	1	.50	—	—	26	12.51	5	2.45	32	15.46
Total	196	\$593.38	1	\$3.57	3,222	\$10,825.11	448	\$1,418.23	3,867	\$12,840.29

Table 5. HUNTING LICENSES: 1967-68

	Hawaii		Maui		Oahu		Kauai		STATE	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Resident	1,988	\$14,415.64	1,745	\$12,496.68	3,383	\$24,266.89	849	\$6,112.44	7,965	\$57,291.65
Non-Resident	171	2,580.75	28	403.50	39	567.75	9	146.26	247	3,698.26
Duplicate	72	34.52	130	60.26	77	37.10	19	9.24	298	141.12
Total	2,231	\$17,030.91	1,903	\$12,960.44	3,499	\$24,871.74	377	\$6,267.94	8,510	\$61,131.03

Table 6. MISCELLANEOUS GAME LICENSES, SALES, DONATIONS AND RENTAL: 1967-68

Type	Number	Amount (dollars)
Game Gird Farm License	34	\$ 34.00
Sale of Publication "Game Birds in Hawaii"	42	21.75
Sale of Confiscated Legal Hunting Gear	10	250.00
Sale of Confiscated Fishing Gear	3	5.75
Donation	—	—
Rental of Hunting Cabins—Hawaii	227	454.00
Total		\$765.50

Table 7. MISCELLANEOUS PERMITS (NO CHARGE): 1967-68

Type	Number
Permit for destruction of wild birds injurious to crops	7
Scientific Collecting permit	25
Field trial permit (Hunting)	2
Permit for entry on bird sanctuaries	72
Aquarium fish permit	25
Permit to keep birds in captivity	2
Group permits	2
Other permits	2
Total	137

Table 8. FEDERAL AID FUNDS

Type	Amount (dollars)
Pittman-Robertson Federal Aid in Wildlife Restoration Fund	\$ 93,397.47
Dingell-Johnson Federal Aid in Fish Restoration Fund	51,893.15
Nene Restoration Project Fund	19,251.42
Hawaiian Islands National Wildlife Refuge Fund	2,789.94
Sub-Total	167,331.98
Commercial Fisheries, Research & Development (PL 88-309)	29,886.30
Total	\$197,218.28

Table 9. COMMERCIAL FISH LANDINGS BY ISLAND, STATE OF HAWAII—FISCAL YEAR—JULY, 1967 THROUGH JUNE, 1968

Island	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Hawaii	1,205,864	\$ 290,498			1,205,864	\$ 290,498
Maui	796,894	172,224			796,894	172,224
Lanai	5,618	2,205			5,618	2,205
Molokai	18,866	10,801	527	\$ 153	19,393	10,954
Oahu	10,508,070	2,686,123	10,803	6,257	10,518,873	2,692,380
Kauai	282,684	85,361			282,684	85,361
TOTAL	12,817,996	\$3,247,212	11,330	\$6,410	12,829,326	\$3,253,622

Table 10. COMMERCIAL FISH LANDINGS BY MONTH, STATE OF HAWAII—FISCAL YEAR—JULY, 1967 THROUGH JUNE, 1968

Month 1967	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
July	1,820,434	\$ 327,666	633	\$ 388	1,821,067	\$ 328,054
August	1,681,345	315,308	853	495	1,682,198	315,803
September	1,176,561	250,529	1,343	616	1,177,904	251,145
October	735,945	210,627	819	433	736,764	211,060
November	721,672	224,122	950	622	722,622	224,744
December	678,894	299,103	1,162	815	680,056	299,918
1968						
January	643,304	206,074	740	542	644,044	206,616
February	519,867	205,997	804	470	520,671	206,467
March	447,757	211,578	1,015	513	448,772	212,091
April	878,767	282,998	1,255	666	880,022	283,664
May	1,722,541	371,465	625	322	1,723,166	371,787
June	1,790,909	341,745	1,131	528	1,792,040	342,273
TOTAL	12,817,996	\$3,247,212	11,330	\$6,410	12,829,326	\$3,253,622

Table 11. FISHING AND HUNTING VIOLATIONS 1967-1968

Type of Violation	Number	Type of Violation	Number
FISHING VIOLATIONS		HUNTING VIOLATIONS	
Fishing with or possession of illegal mesh net/throw net	10	Hunting without license	8
Taking and possession of lobster with eggs, speared, under legal weight, and during closed season	15	Possession of firearm below muzzle energy requirement in a game management area	1
Taking and possession of oysters during closed season	2	Failure to check in and out at checking station	2
Taking and possession of sea mullet during closed season	3	Hunting and possession of game birds and mammals during closed season	7
Possession of octopus below the legal weight limit	1	Hunting and discharging of firearm in a safety zone area	6
Fishing and possession of fishing gear in a marine conservation district	5	Unlawful carriage and possession of firearms	4
Unlawful entry in a public fishing area	4	Carrying loaded firearms in vehicle and possession of firearms in game management archery area	3
Fishing in a prohibited zone within a public fishing area	6	Exceeding game bird bag limit	1
Exceeding freshwater game fish bag limit	2	Failure to display hunting license while hunting	1
Fishing without freshwater game fishing license	11	Failure to attach metal tags on game mammals	3
Unlawful method of fishing and fishing with more than one rod and line in a public fishing area	3		
Total Fishing Violations	62	Total Hunting Violations	36
		TOTAL FISHING AND HUNTING VIOLATIONS	98

Table 12. COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII — FISCAL YEAR JULY, 1967 - JUNE, 1968

Sea Catch by Species					
Species	Pounds	Value	Species	Pounds	Value
Aku (Skipjack)	9,040,604	\$1,451,070	Palani	10,581	1,719
Ahi (Yellowfin)	463,728	222,685	Pualu	14,011	1,749
Ahipalaha (Albacore)	28,042	9,511	Puhi (eel)	2,823	152
Ahi (Bigeye)	489,655	403,643	Puhi (White eel)	1,331	164
Kawakawa	37,632	4,839	Uhu	3,699	1,118
Stripe Marlin	492,615	193,510	Ukikiki (Gindai)	850	477
Pacific Blue Marlin*	133,308	39,567	Uouoa	99	56
Black Marlin**	4,206	2,426	Uu (Menpachi)	9,960	6,578
Broadbill	11,562	1,855	Weke	26,071	10,362
A'u Iepe (Sailfish)	16,494	2,908	Malu	1,076	675
Mahimahi	84,621	49,292	Saba	99	41
Ono	34,198	7,981	Crab (Papai-Misc.)	3,991	1,651
Hapuupuu	20,161	11,337	Crab (Kona)	26,419	24,069
Kahala	70,271	24,379	Crab (Kuahonu)	3,270	2,956
Kalekale	6,957	4,397	Crab (Moala)	1,696	763
Omilu	4,397	2,947	Crab (Samoan)	765	450
Opakapaka	86,505	47,354	Opae (Shrimp)	937	1,179
Uku	52,607	24,543	Ula (Lobster)	3,481	3,074
Ulaula (Ehu)	20,898	18,268	Ulapapapa	16	13
Ulaula Koae (Onaga)	69,531	71,557	Hee (Octopus)	6,327	3,799
Ulua	57,908	33,329	Muhee (True Squid)	2,822	1,605
Weke-ula	11,733	7,071	Opihi (Limpet)	23,185	15,605
Aawa	872	104	Honu (Turtle)	3,162	2,111
Aholehole	5,898	3,742	Misc.	40,741	7,930
Akule	717,472	259,754			
Hahalalu	318,130	107,289	TOTAL	12,817,996	\$3,247,212
Amaama (Mullet)	19,736	20,550			
Awa	19,003	5,601	Pond Catch by Species		
Aweoweo	2,426	784	Species	Pounds	Value
Humuhumu (Hage)	2,365	754	Ulua	413	362
Kaku (Barracuda)	2,482	551	Aholehole	8	3
Kala	23,886	2,392	Amaama (Mullet)	1,485	1,486
Kawelea	4,301	1,902	Awa	5,942	3,042
Kumu	8,599	9,771	Awaawa	293	99
Laenih (Nabeta)	2,431	1,710	Kaku	244	183
Lehi	2,215	816	Moi	26	26
Maomao (Mamo)	1,223	439	Oio	2,092	800
Manini	7,046	3,573	Crab (Kuahonu)	23	17
Moano	11,107	6,871	Crab (Samoan)	275	206
Moi	9,443	7,904	Misc.	529	186
Moelua	5,772	3,345			
Nenu	2,428	1,001	TOTAL	11,330	\$ 6,410
Nohu (Hogo)	1,285	1,107			
Oio	30,394	7,205	GRAND TOTAL	12,829,326	\$3,253,622
Opelu	194,437	77,282			

*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 13. ARRESTS AND DISPOSITIONS 1967-1968

Subject	The State	Hawaii County	Honolulu County	Kauai County	Maui County
Arrests	91	5	56	9	21
Number of Charges	98	5	58	13	22
Convictions	55	2	35*	7	11
Bail Forfeitures	9	—	1	6	2
Released to Juvenile Authorities	16	1	8	—	7
Released to Military Authorities	6	—	6	—	—
Cases Pending	8	—	6	—	2
Fines	30	—	17	7	6
Suspended Fines	11	1	8	—	2
Suspended Sentences	5	1	3	—	1
Split Fines (Fines, Suspended Fines, Suspended Jail Sentences, Suspended Sentences)	12	—	7	—	5
Nolle Prosequi or Dismissed	8	2	4	—	2*

*Includes Disposition of four (4) cases from 1966-67

Table 14. INCOME FROM ARRESTS 1967-1968

Area	Fines	Fail Forfeitures	Suspended Fines
The State			
Hawaii County	\$1,050	\$55	\$710
Honolulu County	—	—	25
Kauai County	810	25	575
Maui County	85	—	—
	155	30	110

DIVISION OF FORESTRY

Table 1. FOREST INCOME FISCAL YEAR 1967-68

Source	Kauai	Oahu	Molokai	Maui	Hawaii	Kamuela	Total
Nursery Sales	\$ 8	—	—	\$ 52	\$ 175	\$273	\$ 508
Sales of Forest Products:							
Timber Stumpage	13	—	—	—	33,477	—	33,490
Tree Fern Stumpage	—	—	—	17	6,505	—	6,522
Other ¹	101	1,388	—	337	170	70	2,066
Rental and Miscellaneous	—	—	—	—	15	—	15
Total: Non-Federal	\$122	\$1,388	—	\$406	\$40,342	\$343	\$42,601
Federal Cooperation:							
Clarke-McNary, Sec. 2, Forest Fire							\$ 36,502
Clarke-McNary, Sec. 4, Nursery Operation							3,000
Title IV Program Reforestation							30,000
Agricultural Conservation Program							2,500
Cooperative Forest Management							12,135
Total: Federal Sources							\$ 84,137
GRAND TOTAL							\$126,738

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

Table 2. REFORESTATION PROGRAM IN FOREST RESERVES FISCAL YEAR 1967-68

Island and Type of Organization	Clearing Area (Acres)	Area (Acres)	Planting Trees (No.)	Area (Acres)	Replanting Trees (No.)	Road Construction (Miles)
Kauai:						
Division of Forestry	—	438	122,745	20	5,726	1.50
Private Contractors	100	—	—	—	—	1.00
Girl Scouts	—	—*	84	—	—	—
Total	100	438	122,829	20	5,726	2.50
Oahu:						
Division of Forestry	—	—	—	—	—	—
Total	—	—	—	—	—	—
Molokai:						
Division of Forestry	23	—	—	—	—	1.70
Total	23	—	—	—	—	1.70
Maui:						
Division of Forestry	238	319	138,765	294	128,040	—
Total	238	319	138,765	294	128,040	—
Hawaii:						
Division of Forestry	137	1,282	463,400	311	64,800	—
Private Contractors	1,152	—	—	—	—	11.65
Total	1,289	1,282	463,400	311	64,800	11.65
State:						
Division of Forestry	398	2,039	724,910	625	200,366	3.20
Private Contractors	1,252	—	—	—	—	12.65
Girl Scouts	—	—*	84	—	—	—
Total State	1,650	2,039	724,994	625	200,366	15.85

*Trace

Table 3. ACREAGE AND NUMBER OF TREE PLANTED BY SPECIES AND FOREST RESERVE FISCAL YEAR 1967-68

Species	Halelele Kauai	Puu Ka Pele Kauai	Lihue- Koloa Kauai	Kula Maui	Upper Waikaka Hawaii	Waikaka Hawaii	Olaa Hawaii	Hamakua Hawaii	Mauna Kea Hawaii	Honuaula Hawaii	Total
Australian redcedar	—	—	—	—	195	237	205	48	—	—	685
—Toona ciliata var. australis—	—	—	—	—	(73,700)	(85,300)	(83,500)	(18,900)	—	—	(261,400)
Bagras Eucalyptus	5	—	4	—	24	1	—	—	—	—	34
—Eucalyptus deglupta—	(1,047)	—	(970)	—	(5,500)	(50)	—	—	—	—	(7,567)
Blackbutt Eucalyptus	25	5	1	—	—	—	—	—	—	—	31
—Eucalyptus pilularis—	(7,385)	(1,350)	(200)	—	—	—	—	—	—	—	(8,935)
Gluster pine	—	—	—	64	—	—	—	—	—	—	64
—Pinus pinaster—	—	—	—	(19,800)	—	—	—	—	—	—	(19,800)
Cuban bass	6	—	—	—	—	—	—	—	—	—	6
—Hibiscus elatus—	(2,500)	—	—	—	—	—	—	—	—	—	(2,500)
Loblolly pine	—	—	—	—	—	—	—	—	45	—	45
—Pinus taeda—	—	—	—	—	—	—	—	—	(4,500)	—	(4,500)
Monterey pine	—	—	—	167	—	—	—	—	—	—	167
—Pinus radiata—	—	—	—	(54,600)	—	—	—	—	—	—	(54,600)
Norfolk-Island-pine	11	—	2	—	—	—	—	—	—	—	13
—Araucaria heterophylla—	(3,813)	—	(730)	—	—	—	—	—	—	—	(4,543)
Queensland-maple	—	—	2	—	83	10	146	—	—	—	241
—Flindersia brayleyana—	—	—	(625)	—	(28,250)	(3,000)	(58,400)	—	—	—	(90,275)
Redwood	—	—	—	88	—	—	—	—	—	10	98
—Sequoia sempervirens—	—	—	—	(64,365)	—	—	—	—	—	(2,000)	(66,365)
Robusta Eucalyptus	—	—	—	—	54	—	—	—	—	—	54
—Eucalyptus robusta—	—	—	—	—	(19,800)	—	—	—	—	—	(19,800)
Rosegum Eucalyptus	—	—	—	—	30	16	—	—	—	—	46
—Eucalyptus grandis—	—	—	—	—	(9,800)	(4,000)	—	—	—	—	(13,800)
Saligna Eucalyptus	270	6	74	—	96	65	—	—	—	—	511
—Eucalyptus saligna—	(78,946)	(1,900)	(16,290)	—	(40,400)	(24,200)	—	—	—	—	(161,736)
Slash Pine	—	—	—	—	—	—	—	—	15	—	15
—Pinus elliptica—	—	—	—	—	—	—	—	—	(1,500)	—	(1,500)
Tallowood Eucalyptus	6	2	11	—	—	—	—	—	—	—	19
—Eucalyptus microcorys—	(1,750)	(500)	(2,856)	—	—	—	—	—	—	—	(5,106)
Miscellaneous spp. ²	1	—	7	—	—	—	—	—	—	—	10
—Miscellaneous spp. ²	(400)	—	(1,567)	—	—	2	(600)	—	—	—	(2,567)
Total Acreage	324	13	101	319	482	331	351	48	60	10	2,039
(Total No. of Trees)	(95,841)	(3,750)	(23,238)	(138,765)	(177,450)	(117,150)	(141,900)	(18,900)	(6,000)	(2,000)	(724,994)

²Includes Monkey-pod, Gold tree, Bermuda Juniper, Siamese Shower, Tropical Ash, Mahogany, Australia Kauri, Spanish-cedar.

Table 4. NURSERY DISTRIBUTION

Fiscal Year 1967-68	Central Nursery			Kauai		Oahu		Maui		Hilo	
	Timber & Others	Wind- break		Timber & Others	Wind- break	Timber & Others	Wind- break	Timber & Others	Wind- break	Timber & Others	Wind- break
To Federal Lands	—	—	—	—	—	—	—	—	—	—	—
State Forest Lands	753,905	—	—	71,400	—	50	—	—	—	—	—
Other State Lands	2,170	150	—	—	150	—	—	—	—	—	—
Towns, Cities & Public Schools	1,247	50	—	200	—	—	—	—	—	—	—
Persons, Associations & Private Schools	70,994	32,324	—	1,100	50	—	—	—	—	—	—
Forest Reserves—Not State owned	85,275	—	—	—	—	—	—	—	—	—	—
Plantations, Ranches, Water & Power	—	—	—	—	—	—	—	—	—	—	—
Co. — Not in forest reserve	7,150	1,550	—	20,300	—	—	—	—	—	—	—
Total Timber and Windbreak Trees	920,741	34,074	—	93,000	200	50	—	3,000	—	1,227	—
Total Ornamentals	—	—	—	—	—	—	—	—	—	—	—
Grand Total	920,741	34,074	—	93,000	200	50	—	3,000	—	153	—
										81,753	—
											1,132,818

Table 5. FOREST AND BRUSHLAND FIRES

Geographic Area	Date	Acres Burned		
Fiscal Year 1967-68				
The State (21 Fires—11,837 acres)			Lanakila Housing Area, Outside Forest Reserve	2/25/68 *
Oahu (3 Fires—17 acres)			Hawaiian Acres Subdivision, Outside For. Res.	5/16/68 500
Honolulu Watershed Reserve	7/ 6/67	4	Waiakea (Ainalake Rd.) Outside For. Res.	5/18/68 75
Aiea Homesteads, Outside For. Res. ..	8/15/67	5	Hawaiian Paradise Park, Outside For. Res.	5/31/68 100
Kawailoa For. Res.	8/28/67	8	Puu Anahulu Game Management Area	6/ 4/68 8,700
Hawaii (12 Fires—11,677 acres)			Maui (3 Fires—37 acres)	
Mahukona, Outside For. Res.	7/ 4/67	860	Kamaole, Outside For. Res.	10/10/67 30
Kawaihae (Queen Emma Estate), Outside For. Res.	8/28/67	2	Kamaole Homesteads, Outside For. Res.	5/ 4/68 6
Upolu Point, Outside For. Res.	9/ 6/67	1,300	Keopuka, Koolau For. Res.	5/ 8/68 1
Orchid Land Estate, Outside For. Res.	10/13/67	100	Kauai (3 Fires—106 acres)	
Waiakea (Kumukoa St.), Outside For. Res.	2/15/68	15	Waimea Canyon	8/ 2/67 *
Ainaloa Subdivision, Outside For. Res.	2/18/68	25	Kamalii Ridge, Kealia For. Res.	6/ 3/68 106
Waiakea (Rubbish Dump) Outside For. Res.	2/25/68	*	Kokee Road, Waimea Canyon Park	6/12/68 *

*Less than an acre.

Table 6. ROADS, TRAILS, AND FENCES

Island	Construction (In Feet)			Maintenance (In Feet)		
	Roads	Trails	Fences	Roads	Trails	Fences
Fiscal Year 1967-1968						
Kauai	13,200	2,640	—	373,560	201,960	7,300
Oahu	—	—	—	27,984	205,920	50
Molokai	8,976	—	—	327,888	—	17,047
Maui	23,760	5,280	7,920	137,280	17,160	13,490
Hawaii	61,512	—	11,722	457,618	56,074	34,370
F.Y. 1967-68 Totals:						
Feet	107,448	7,920	19,642	1,324,330	481,114	72,257
Miles	20.4	1.5	3.7	250.8	97.1	13.7

Table 7. SURRENDER AGREEMENTS FOR PRIVATE LANDS IN CONSERVATION DISTRICTS, JUNE 30, 1968

Land	Forest Reserve	Owners	Date of Expiration	Term	Area (Acres)
Kauai:					
Wainiha	Halelela	McBryde Sugar Company	2-10-1968	20	10,120.00
					10,120.00
Oahu:					
Honouliuli	Honouliuli	James Campbell Estate	2-15-1977	20	4,910.879
Pukaomaomao	Honolulu	Bishop Estate	6-12-1968	20	183.948
Laie	Kahuku	Zions Securities Corporation	5-22-1988	20	2,560.00
Kaipapau	Kaipapau	Zions Securities Corporation	5-22-1988	20	276.00
					7,930.827
Molokai:					
Naiwa 3	Molokai	Molokai Ranch Company	7- 3-2001	50	53.00
Manowainui	Molokai	Molokai Ranch Company	7- 3-2001	50	50.00
Kaunakakai	Molokai	Molokai Ranch Company	7- 3-2001	50	965.00
Makakupaia	Molokai	Molokai Ranch Company	7- 3-2001	50	654.00
Kawela	Molokai	Molokai Ranch Company	7- 3-2001	50	3,850.00
					5,572.00
Maui:					
Kipahulu	Kipahulu	Ulupalakua Ranch Company	12-31-1978	20	3,519.00
					3,519.00
Hawaii:					
Kukuau I	Hilo	A. A. Richardson Estate	12-31-1978	20	2,979.00
					2,979.00
GRAND TOTAL					30,120.827

Table 8. FOREST AND WATER RESERVE WITHIN CONSERVATION DISTRICT, JUNE 30, 1968
(In acres. Before July 10, 1961, these areas comprised the "Forest and Water Reserves.")

Island and Reserve	All Agencies	State Lands	Hawaiian Home Lands	City & County Lands	Federal Lands	Private Lands
All islands	1,196,040.005	808,480.007	25,100.23	3,034.49	10,722.37	348,702.908
KAUAI	163,128.38	83,133.27	9,870.00	1,158.50	—	68,966.61
Halelea	39,720.00	14,147.00	—	—	—	25,573.00
Haupu	3,230.00	—	—	—	—	3,230.00
Kalepa	901.41	715.91	—	—	—	185.50
Kealia	8,559.28	6,089.28	—	—	—	2,470.00
Lihue-Koloa	27,186.29	10,941.08	—	—	—	16,245.21
Molokaa	4,564.00	928.00	2,270.00	—	—	1,366.00
Na Pali-Kona	61,425.00	41,528.10	—	—	—	19,896.90
Nonou	818.00	818.00	—	—	—	—
Papahāhāhola	54.40	—	—	54.40	—	—
Puu Ka Pele	15,565.90	7,965.90	7,600.00	—	—	—
Puu Ka Pele Park	1,104.10	—	—	1,104.10	—	—
OAHU	123,029.318	30,630.95	188.00	1,725.42	10,722.37	79,762.578
Ewa	27,930.24	5,798.10	—	—	3,895.00	18,237.14
Hauula	9,493.76	1,443.76	—	—	—	8,050.00
Honolulu	20,450.348	7,497.97	—	1,725.42	335.92	10,891.038
Honouliuli	4,936.00	—	—	—	34.31	4,901.69
Kahuku	5,833.00	—	—	—	—	5,833.00
Kaipapau	1,173.00	897.00	—	—	—	276.00
Kaneohe	1,019.97	19.64	—	—	—	1,000.33
Kawailoa	18,696.00	—	—	—	—	18,696.00
Kuaokala	385.00	385.00	—	—	—	—
Kuliouou	214.00	214.00	—	—	—	—
Lualualei ¹	3,710.00	—	—	—	3,710.00	—
Makua-Keaau	2,513.09	2,408.09	—	—	—	105.00
Mokuleia	5,215.00	5,215.00	—	—	—	—
Nanakuli	788.00	595.94	188.00	—	4.06	—
Pupukea	837.10	837.10	—	—	—	—
Round Top	186.12	186.12	—	—	—	—
Schofield Barracks	2,707.40	—	—	—	2,707.40	—
Waiahole	8,633.72	1,683.12	—	—	28.80	6,921.80
Waianae-Kai	5,014.57	2,043.99	—	—	—	2,970.58
Waimanalo	3,293.00	1,406.12	—	—	6.88	1,880.00
MOLOKAI: Molokai	46,444.928	20,222.588	610.00	5.34	—	25,607.00
LANAI: Lanai	6,150.00	—	—	—	—	6,150.00
MAUI	158,766.18	93,321.67	8,717.00	145.23	—	56,582.28
Hana	15,670.90	13,672.70	—	—	—	1,998.20
Kahikinui	15,828.80	4,466.80	8,717.00	—	—	2,645.00
Kipahulu	11,767.62	7,232.60	—	—	—	4,535.02
Koolau	60,216.50	39,163.44	—	—	—	21,053.06
Kula	5,938.50	4,932.50	—	—	—	1,006.00
Makawao	2,093.00	2,093.00	—	—	—	—
Waihou Spring	84.00	74.00	—	—	—	10.00
West Maui	47,166.86	21,686.63	—	145.23	—	25,335.00
HAWAII	698,521.199	581,171.529	5,715.23	—	—	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	—	—	—	—
Manaowaiālee	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	—	—	—	—
Panacwa	1,214.355	1,214.355	—	—	—	—
Puna	25,738.00	25,738.00	—	—	—	—
South Kona	24,612.333	23,322.333	—	—	—	1,290.00
Waiakea	11,197.282	11,197.282	—	—	—	—
Upper Waiakea	55,488.33	55,488.33	—	—	—	—

¹Under control of U.S. Navy

Table 9. PUBLICATIONS, INSTITUTE OF PACIFIC ISLANDS FORESTRY, FISCAL YEAR 1968

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- Yamamoto, Teruo and Anderson, Henry W.**
1967. Erodibility indices for wildland soils of Oahu, Hawaii, as related to soil forming factors. *Water Resources Research* 3(3):785-798.
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DIVISION OF LAND MANAGEMENT

Table 1. GEOGRAPHIC STATISTICS FOR THE HAWAIIAN ARCHIPELAGO AND STATE OF HAWAII

Island or group	Number of islands ¹	Area (square miles) ¹ Land Water	Tidal shoreline (miles) ²	Highest peak (feet) ²
The Archipelago	124	6,417	9	(NA)
State of Hawaii	122	6,415	9	13,796
Midway Islands	2	2	—	1,052
Hawaii Island	9	4,021	—	(NA)
Maui Island	19	728	—	313
Kahoolawe Island	2	45	—	149
Lanai Island	11	141	—	36
Molokai Island	14	259	—	52
Oahu Island	35	595	7	106
Kauai Island	3	551	2	209
Niihau Island ³	4	72	—	110
Leeward Islands	27	5	—	52
In State of Hawaii ⁴	25	3	—	(NA)
Midway Islands	2	2	—	25
			(NA)	12

(NA)—Not available.

¹Median land area of the 124 islands is 3 acres. Data are from the Department of Land and Natural Resources.

Department of Land and Natural Resources *Land Area of the Hawaiian Archipelago* (Memorandum B-5).

²From Department of Planning and Research, *Geographic Statistics for Hawaii* (Res. Rpt. 15, January 15, 1962).

³Includes Lehua and Kaula Islands

⁴Includes Nihoa Island, Necker Island, French Frigate Shoal, Gardner Pinnacles, Maro Reef, Laysan Island, Lisianski Island, Pearl and Hermes Reef, and Kure Island.

Table 2. LAND OWNERSHIP OR TENURE, FOR HAWAII: AS OF JUNE 30, 1967

Ownership or Tenure		Area in Acres	Percentage
Total		4,105,600	100
FEDERAL ¹	734,956		
Armed Forces			
Owned in Fee	26,617		18.3
Ceded Lands	460,927		
National Parks			
Owned in Fee	121,142		
Ceded Lands	125,666		
Other Federal Agencies			
Ceded Lands	604		
STATE ²	1,379,660		32.5
Hawaiian Home Lands	191,000		
Public Lands and Other Agencies	1,188,660		
PRIVATE ³	1,990,984		49.2
5,000 acres or more ⁴	1,711,347		
Less than 5,000 acres ³	297,637		

¹Includes all lands owned by the U.S. Government, plus ceded lands held by the Department of Defense or National Park Service under executive order of the president or governor. From Dept. of Land and Natural Resources Statistics on Federal Land Tenure in Hawaii 1960-1962, Memorandum B-4, updated.

²Excludes lands ceded to the U.S. Government under executive order of the president or governor, and public rights of way.

³Includes county lands acquired by purchase or gift from private owners, and all public rights of way. Computed as residual.

⁴From Hawaii Department of Planning and Research, Statistical Abstract of Hawaii, 1962, p. 43.

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

Receipts:	1966-67	1967-68
Rentals, Leased Public Lands	\$1,861,042	\$1,889,129
Rentals, Unleased Public Lands	281,307	423,790
Sale of Wood, Rock and Sand	92,013	78,108
License, Use of Government Water	217,199	297,676
License, Use of Government Land for Specific Purposes	47,576	19,969
TOTAL RECEIPTS	\$2,499,137	\$2,708,672
Expenditures:		
Transfers to Hawaiian Home Lands	\$ 585,416	\$ 585,598
Transfers to General Fund	1,913,721	2,123,074
TOTAL EXPENDITURES	\$2,499,137	\$2,708,672

Transfers to Hawaiian Home Lands:

Loan Fund	\$347,523*	30% of sugar leases and water licenses—State Lands.
Administrative Fund	206,126	H.H. Lands rentals as appropriated by Legislature.
Development Fund	31,949	H.H. Lands rentals over Legislative appropriations.
	\$585,598	*New Maximum of \$7,500,000.

GENERAL FUND REVENUES Land Management Program

	1966-67	1967-68
Conveyance Tax	\$ 796	\$ 2,994
Fees, Copies of Public Documents	472	566
Fees, Issuance of Land Patents, etc.	9,948	6,755
Fees, Consents to Transfers	1,300	880
Fees, Surveying of Public Lands	4,645	2,750
Fees, Appraisals	100	—
Sale of Publications	22	26
Sales of Improvements on Expired Leases	—	395
Sale of Equipment and other property	—	—
Refund of Prior Year Expenditures	—	84
Cost of Managing Property Acquired for Highway purposes	3,398	3,830
Sale of Wood, Rock or Sand	5,187	15,938
Indemnity for Damages to Insured Property	70	2,000
Interest on Delinquent Accounts	—	—
Witness or Juror Fees	45	—
TOTAL RECEIPTS	\$ 25,983	\$ 36,218

SPECIAL LAND AND DEVELOPMENT FUND Land Management Program

Balance at the beginning:	1966-67	1967-68
	\$4,361,528	\$3,324,681
Receipts:		
Interest on Deferred Payments	\$ 75,229	\$ 55,722
Sales of Public Lands	1,274,741	727,777
Reimbursable Expenditures	—	21,332
Reimbursement of Improvements to Public Lands	19,547	129,702
Appraisal Fees Revolving Fund	10,000	10,000
TOTAL RECEIPTS	\$5,741,045	\$ 944,533
Expenditures:		
Land and interest in Land	\$ 114,137	\$ 121,855
Structures and Permanent Improvements to Land	2,824,190	175,475
Transfers:		
Department of Social Services	132,500	—
Bond Fund Repayments	145,537	218,829
Director of Finance, Administrative Costs	—	479,433
TOTAL EXPENDITURES	\$2,415,364	\$ 995,592
Balance at End	\$3,324,681	\$3,273,622

SUMMARY OF DISPOSITIONS, ALL ISLANDS — From July 1, 1967 to June 30, 1968

Counties	Executive Orders	Sales in Fee*	General Leases**	Revocable Permits**	Grand Total
HAWAII: (1st Land District)					
Number	23	11	16	20	70
Area (Acres)	174	14	2,465	10,108	12,761
Price* or Annual Rental**	\$ —	\$104,301	\$ 18,671	\$ 21,443	\$ 144,415
MAUI: (2nd Land District)					
Number	8	19	11	21	59
Area (Acres)	634	8	2,743	2,043	5,428
Price* or Annual Rental**	\$ —	\$176,823	\$ 37,843	\$ 38,730	\$ 253,996
OAHU: (3rd Land District)					
Number	16	19	16	45	96
Area (Acres)	387	50	1,853	255	2,545
Price* or Annual Rental**	\$ —	\$320,107	\$218,271	\$331,097	\$ 869,475
KAUAI: (4th Land District)					
Number	9	14	114	17	154
Area (Acres)	114	3	242	94	453
Price* or Annual Rental**	\$ —	\$ 41,855	\$ 17,160	\$ 4,140	\$ 63,185
GRAND TOTALS:					
Number	56	63	157	103	379
Area (Acres)	1,309	75	7,303	12,500	21,187
Price* or Annual Rental**	\$ —	\$643,116	\$290,509	\$208,993	\$1,142,071

GENERAL LEASES ISSUED — ALL ISLANDS July 1, 1967 to June 30, 1968

Use	Area	Annual Rent	No.
Agriculture	1,736.667	\$ 25,367.00	16
Business .....	.549	1,650.00	1
Cane	1,873.248	35,500.00	1
County	—	—	—
Eleemosynary .....	.657	150.00	1
Federal	1,188.632	—	4
Fishpond	—	—	—
Industrial	20.943	194,935.00	7
Pasture	2,193.947	4,739.06	7
Pineapple	—	—	—
Recreational	241.559	27,019.00	110
Residential .....	.217	710.00	1
Rights of Way	47.552	439.00	9
Waste	—	—	—
Water	—	—	—
TOTALS	7,303.971	\$290,509.06	157

GENERAL LEASES ISSUED — OAHU July 1, 1967 to June 30, 1968

Use	Area	Annual Rent	No.
Agriculture	331.542	\$ 10,100.00	3
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary .....	.657	150.00	1
Federal	54.277	—	3
Industrial	12.074	188,300.00	1
Fishpond	—	—	—
Pasture	1,272.000	2,800.00	1
Pine	—	—	—
Recreational	136.049	16,650.00	2
Residential	—	—	—
Rights of Way	47.014	271.00	5
Waste	—	—	—
Water	—	—	—
TOTALS	1,853.613	\$218,271.00	16

GENERAL LEASES ISSUED — HAWAII July 1, 1967 to June 30, 1968

Use	Area	Annual Rent	No.
Agriculture	1,329.885	\$ 14,657.00	8
Business .....	.549	1,650.00	1
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal	1,133.920	—	1
Fishpond	—	—	—
Industrial .....	.689	2,346.00	3
Pasture	—	—	—
Pine	—	—	—
Recreational	—	—	—
Residential	—	—	—
Rights of Way .....	.138	18.00	3
Waste	—	—	—
Water	—	—	—
TOTALS	2,465.181	\$ 18,671.00	16

GENERAL LEASES ISSUED — KAUAI July 1, 1967 to June 30, 1968

Use	Area	Annual Rent	No.
Agriculture	—	\$ —	—
Business	—	—	—
Cane	—	—	—
County	—	—	—
Eleemosynary	—	—	—
Federal .....	.435	—	1
Fishpond	—	—	—
Industrial	7.918	5,825.00	2
Pasture	128.647	966.00	4
Pine	—	—	—
Recreational	105.510	10,369.00	108
Residential	—	—	—
Rights of Way	—	—	—
Waste	—	—	—
Water	—	—	—
TOTALS	242.510	\$ 17,160.00	114

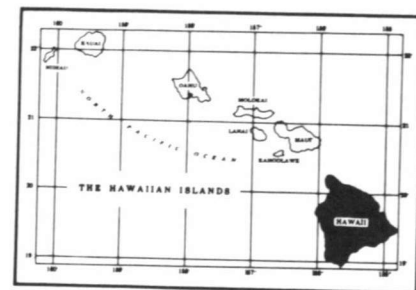
GENERAL LEASES ISSUED — MAUI
July 1, 1967 to June 30, 1968

Use	Area	Annual Rent	No.
Agriculture	75.240	\$ 410.00	5
Cane	1,873.248	35,500.00	1
Industrial .....	.262	300.00	1
Pasture	793.300	773.06	2
Residential .....	.217	710.00	1
Rights of Way .....	.400	150.00	1
TOTALS	2,742.667	\$ 37,843.06	11

EXISTING GENERAL LEASES AND LICENSES CLASSIFICATION SUMMARY, TOTAL ALL ISLANDS
In Effect June 30, 1968

Use	Area (Acres)	Annual Rental	No.
Agriculture, General	4,667.051	\$ 112,003.79	169
Business	259.653	297,797.96	67
Cane	30,644.751	514,272.69	49
County	65.473	—	15
Eleemosynary	190.868	19,031.00	12
Federal	64,993.365	600.00	25
Fishpond	51.467	621.14	2
Industrial	760.467	326,262.62	68
Pasture	323,042.064	586,632.60	197
Pineapple	665.025	19,469.08	3
Recreational	340.058	13,540.50	116
Residential	26.228	16,386.50	40
Rights of Way	403.316	19,062.37	95
Waste	17,151.697	123.50	(a)
Water Licenses, etc.	13,256.740	204,614.00	45
TOTALS	456,518.223	\$2,130,417.75	903

(a) 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	2,000.715	\$ 20,029.00	31
Business	54.949	140,007.96	37
Sugar Cane	11,042.222	86,303.19	31
County	60.356	—	12
Eleemosynary	12.016	6,264.00	5
Federal Government	46,000.144	—	8
Fishpond	50.867	484.14	1
Industrial	623.505	59,601.62	45
Pasture	277,098.835	515,168.51	92
Recreational	3.700	900.00	1
Residential	13.851	13,880.50	31
Rights of Way	107.364	8,657.52	25
Waste Land	744.386	123.50	(a)
Water Licenses, Reservoirs, etc.	5,130.610	11,032.00	5
Totals	342,943.520	\$855,814.55	324

(a) 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, 1967

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
2899	James & Miulan Y. Kealoha	12/29/41- 3/14/2015	Lot 17, Waiakea Warehouse Lots, Waiakea, South Hilo, Hawaii	2.16	bus	375.00
2908	Matsuno F. Nakagawa	11/ 1/42- 3/31/82	Waiakea, South Hilo, Hawaii	50.867	fpd r/w	484.14
L-2964	Edward C. Hustace	3/15/41-(revokable)	Honuaula Mauka Tract No. 3, Keala-kehe Mauka Tract, Kalaoa-Ooma Mauka Tract, Makaula-Haleohiu Tract, North Kona, Hawaii			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
3155	Kenneth K. Bell	3/15/47- 3/14/2015	Lot 22, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.163	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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3158	Hideo Funada	11/18/46- 3/14/2015	Lot 25, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.17	res	\$ 306.00
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	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 and 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	Hilo Bayview, Inc.	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	.495	res	300.00
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	Constantine Roumanis	6/ 1/49- 3/14/2015	Lot 10, Ocean View Lots, Waiakea, South Hilo, Hawaii	.92	res	500.00
3273	Honokaa Sugar Co.	3/ 3/49- 3/ 2/70	Honokaia Mauka Tract, Hamakua, Hawaii	243.465	cane	1,094.69
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	133.003	past	792.94
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 Kinooie 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
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 & Kaulanama, 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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	Hawaiian Ranch Co., Inc.	7/ 1/50- 6/30/71	Pahala, Kau, Hawaii		wtr	1,800.00
L-3351	Hawaiian Ranch Co., Inc.	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. Reminders of Papaki, Koloaha Au 1st, Hamakua, Hawaii	31.69	cane	779.33
3355	Richard Smart	1/ 1/52-12/31/72	Kaohe, Kaohe III Sec., A-1, Hamakua, Hawaii	17.66	past	125.25
3356	Richard Smart	1/ 1/52-12/31/72	Por. Land of Haleaha & Puukapu, South Kohala, Hawaii	1,202.0	past	7,000.00
3357	Richard Smart	1/ 1/52-12/31/72	Por. HHL of Pauahi, South Kohala, Hawaii	416.0	past	5,000.00
3358	Kahua Ranch, Ltd.	1/ 1/52-12/31/72	Waimea, South Kohala, Hawaii	555.45	past	7,000.00
3359	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe-VI, Hamakua, Hawaii	9,935.57	past	40,500.00
3360	Hawaiian Ranch Co., Inc.	10/10/62-12/31/72	Parcel 2, Kaalaala Makai, Kau, Hawaii	3,110.0	past	12,600.00
3361	Richard Smart	1/ 1/52-12/31/72	Part 3, Por. of Gov't. Land of Hono-Kaia, Hamakua, Hawaii	1,777.0	past	400.00
3362	Anna Ranch	1/ 1/52-12/31/72	Puukapu Pasture Lot No. 9, South Kohala, Hawaii	508.0	past	7,100.00
3363	Hawaiian Ranch Co., Inc.	1/ 1/52-12/31/72	Kamaoa-Puueo Tract, Kau, Hawaii	333.81	past	3,005.88
3364	Richard Smart	1/ 1/52-12/31/72	Gov't. Crown Land of Honokaia, Hamakua, Hawaii	10,289.284	past	35,038.72
3366	Richard Smart	1/ 1/52-12/31/72	Puu Kawaiwai, Panoluukia, Kapia, Waimea, South Kohala, Hawaii	739.0	past	8,800.00
3367	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe 11, Hamakua, Hawaii	2,978.03	past	16,200.00
3369	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Hoea & Kaa, Hamakua, Hawaii	7,932.36	past	40,700.00
3370	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Portion of Gov't. Remainder of Niupea, Hamakua, Hawaii	1,902.0	past	16,000.00
3371	Richard Smart	1/ 1/52-12/31/72	Kalopa, Hamakua, Hawaii	66.0	past	40.00
3373	Richard Smart	1/ 1/52-12/31/72	Kipi-Kehene 1st, North Kohala, Hawaii	6,080.0	past	42,200.00
3374	Richard Smart	1/ 1/52-12/31/72	Por. Puukapu Pasture Lot No. 10, South Kohala, Hawaii	107.0	past	300.00
3375	Richard Smart	1/ 1/52-12/31/72	Honokaa, Part 4, Hamakua, Hawaii	2,376.32	past	10,500.00
3376	Hawaiian Ranch Co., Ltd.	1/ 1/52-12/31/72	Por. Gov't Land of Kapapala, Kau, Hawaii	508.0	past	8,600.00
3377	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Parcel 1, Kaohe II, Hamakua, Hawaii	36,873.02	past	51,700.00
3378	Richard Smart	1/ 1/52-12/31/72	Portion Land of Momoualoo, Waimea, South Kohala, Hawaii	675.32	cane	11,818.10
3379	Richard Smart	1/ 1/52-12/31/72	Kaoniki, Kauniho, Lalamilo, Puukapu, Waimea, South Kohala, Hawaii	7,780.0	past	42,000.00
3380	Richard Smart	1/ 1/52-12/13/72	Honokaia, Part 5, Hamakua, Hawaii	391.0	past	7,800.00
3381	Richard Smart	1/ 1/52-12/31/72	Lalamilo, Waimea, South Kohala, Hawaii	332.307	past	7,581.50
3382	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Por. Gov't. Remainder Manowaialee, Hamakua, Hawaii	768.477	past	12,200.00
3412	Sure Save Super Market, Limited	4 / 7/52- 4/ 6/73	Kamehameha Avenue & Kalanikoa Ave., Waiakea, South Hilo, Hawaii	1.961	past	45.32
3414	Robert M. & Emma L. Yamada	4/ 7/52- 4/ 6/73	Lots 10, 11-A & 11-B, Kaimu-Makena Homesteads, Puna, Hawaii	162.0	past	1,000.00
3420	Tropics Lanai, Inc.		Kilauea & Piopio St., S. Hilo	.80	bus	1,062.00
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	177.55	agr	50.00
3424	Hajime Harada	6/ 1/52- 5/31/73	Lots 6 and 8, Blk. 40, Waiakea House Lots, 1st Series, S. 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
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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	Kaohe III, Section B, Hamakua, Hawaii	1,762.936	past	600.00
3432	Palani Ranch Trust	10/ 1/52- 9/30/73	Lots 1 to 20, Kealakehe Homesteads, 2nd Series, North Kona, Hawaii	1,536.072	past	1,726.02
3433	Dillingham Investment Corp.	4/ 8/53- 4/ 7/74	Honomalino-Hoopulua 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
S- 3435	Honomalino Agricultural Company	7/ 3/52- 7/ 2/73	Kaulanamauna, South Kona, Hawaii	2,095.538	past	425.00
3436	Richard Smart	10/ 1/52- 9/30/73	Kaohe 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, Kaohe (Kole & Laumaia Paddocks), North Hilo, Hawaii	20,377.317	past	18,000.00
3441	Richard H. Jose	7/ 1/53- 6/30/74	Laupahoeohoe Mauka, Laupahoeohoe, North Hilo, Hawaii	110.0	past	915.00
3442	Hawaiian Ranch Co., Inc.	7/ 1/53- 6/30/74	Parcels A & B and Ninole Gov't. Fish Pond, Kau, Hawaii	332.559	past	520.00
3443	Hawaiian Ranch Co., Inc.	7/ 1/53- 6/30/74	Parcels 1 & 2, Kaunamano Homesteads, Kau, Hawaii	477.16	past	930.00
3444	Hawaiian Ranch Co., Inc.	7/ 1/53- 6/30/74	Wailau Gov't. Remainder Kau, Hawaii	345.8	past	200.00
3445	Laupahoeohoe Sugar Company	12/29/52-12/28/73	Laupahoeohoe, 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	150.0	past	50.00
3449	Hawaiian Ranch Co., Inc.	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	Laupahoeohoe Sugar Company	10/ 1/53- 9/30/74	Papaaloo, Manowaiopae & Kihalani Homestead Tracts, & por. of Laupahoeohoe, 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	53.7	past	430.00
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	Laupahoeohoe Sugar	4/ 9/54- 4/ 8/75	Por. of Pali & Gulch, Papaaloo 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, S. 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 Avenue between Kalanikoa & Kanoelehua St., Waiakea, South Hilo, Hawaii	.34	bus	400.00
3508	Anna L. Perry-Fiske	11/10/54-11/ 9/75	Lot 11, Lalamilo House Lots, 3rd Seres, Lalamilo, S. Kohala, Hawaii	.28	past	12.00

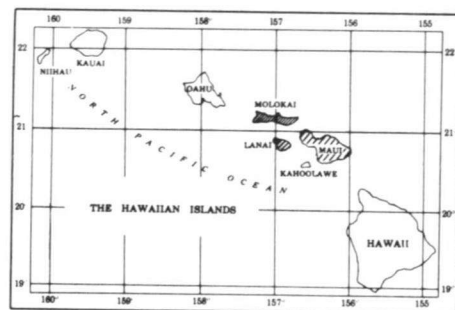
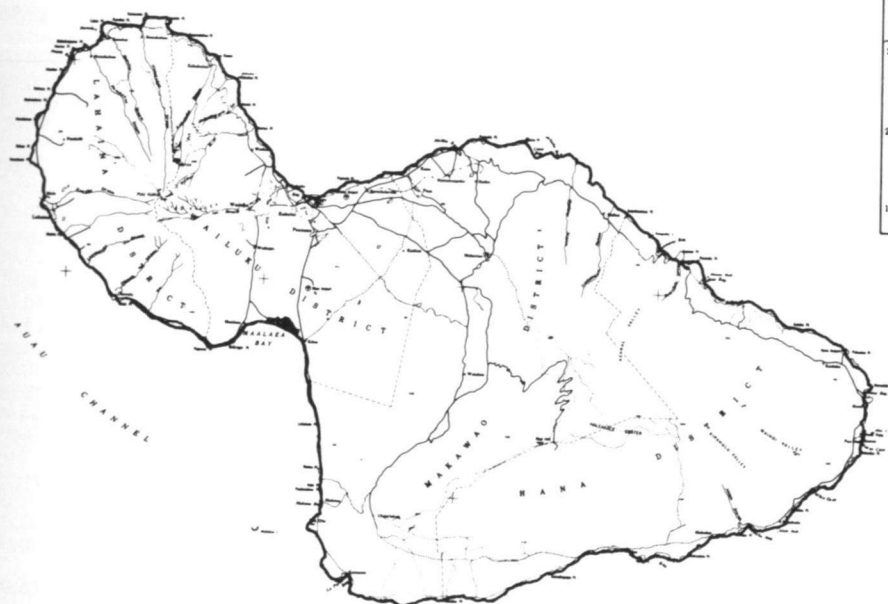
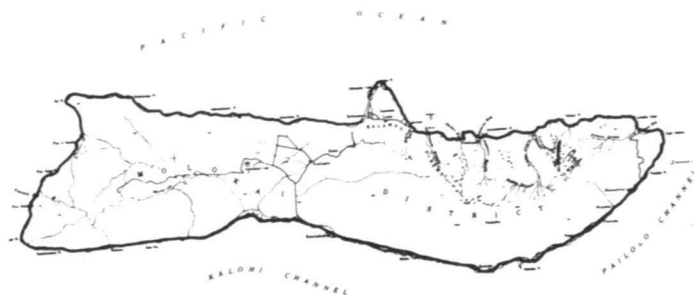
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3509	William K. Thompson	11/10/54-11/ 9/75	Por. of Pahoehe 1-4, Maunaouii, Haleili, Haukalua 1-2, Alae 1-2, Pahoehe 1, South Kona, Hawaii	1,067.50	past	\$ 150.00
3511	Hutchinson Sugar	1/ 1/55-12/31/69	Kaunamano Homesteads & Section 2, K, Kawala-Kaunamano Tract, Kau Hawaii	454.10 662.50 4.60	cane past r/w	2,134.27 1,056.90 8.40
L-3521	Shell Oil Co., Union Oil Co. of Calif., & Phillips Petroleum Co.	6/ 7/55- 6/ 6/76	Waiakea-Kai, Hilo, Hawaii	11.00	waste	1.10
L-3528	Volcanite, Limited	11/ 8/55-11/ 7/76		.12	r/w	12.00
3529	Sure Save Super Market, Ltd.	11/ 8/55-11/ 7/76	Puuwaawaa Quarry Hill Puuwaawaa, Hawaii	506.126	ind	1,000.00
3530	Tsuruyo Oda	11/ 8/55-11/ 7/76	Waiakea, South Hilo, Hawaii	.59	bus	300.00
3531	Jihizo Ota	11/ 8/55-11/ 7/70	Waiakea, South Hilo, Hawaii	2.532	agr	120.00
3532	Benso Yamanouchi	11/ 8/55-11/ 7/76	Lot 63, Ponahawai, House Lots Ponahawai, South Hilo, Hawaii	2.07	agr	24.00
3533	Honolulu Roofing Co., Ltd.	11/ 8/55-11/ 7/76	Lot 12, Kaumana House Lots, Kaumana, South Hilo, Hawaii	.16	agr	12.00
3534	Thomas R. Araujo	11/ 8/55-11/ 7/76	Lot 9, Keaukaha Seaside Lots, Waiakea, South Hilo, Hawaii	.42	res	180.00
3566	Hawaiian Ranch Co., Inc.	10/25/56-10/24/77	Piihonua, South Hilo, Hawaii	2.67	past	24.00
3567	E. L. Wung's Ranch, Ltd.	10/25/56-10/24/77	Por. Section "A", Kaalaala-Makakupu	67.55	cane	675.50
3569	Takayoshi M. Oda	10/25/56-10/24/77		.48	waste	
3570	Kohala Sugar Company	10/ 1/57- 9/30/72	Lots 338 and 339, Olaa Reservation	1,354.17	past	300.00
3571	Sure Save Super Market, Limited	8/11/56- 4/ 6/73	Lots, Olaa Puna, Hawaii	100.0	past	100.00
3573	Hawaii Broadcasting System, Limited	11/ 8/58-11/ 7/79	Lots 2, 4, 6, 8, 10 & 12, Blk. 30, Waiakea House Lots, 1st Series	3.10	agr	100.00
L-3574	Jas. W. Glover, Ltd.	8/11/59- 8/10/80	Waiakea, South Hilo, Hawaii	1,235.506	cane	9,418.00
3575	Honpa Hongwanji Mission of Hawaii	8/11/58- 8/10/79	Opihipau-Hukiaa, Kalei & Hualua, Hawaii	11.000	past	55.09
L-3576	Union Oil Co. of California	9/10/58- 9/ 9/79	Gov't. Lot, Kamehameha Avenue	62.025	waste	62.03
3580	Koei & Katsue U. Ishimine	7/20/59- 7/19/69	Waiakea, South Hilo, Hawaii	.377	bus	650.00
3582	Richard M. Schultz	11/ 5/59-11/ 4/74	Humuula, North Hilo, Hawaii	2.038	bus	100.00
3583	Robert M. Yamada	11/ 5/59-11/ 4/2004	Waiakea, South Hilo, Hawaii	74.314	ind	2,594.62
3584	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Lots 7 & 8, Waiakea Cane Lots, Waiakea, South Hilo, Hawaii	38.58	past	139.86
3585	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Gov't. Land of Waiakea, South Hilo, Hawaii	.12	r/w	120.00
3586	Mauna Kea Sugar Co., Inc.	2/ 1/60-12/31/89	Lot 34-A, Kaauhuhu Homestead, North Kohala, Hawaii	8.6	agr	150.00
3587	Paaupau Sugar Co., Ltd.	2/ 1/60-12/31/89	Lots 43 to 52 & 55 to 59, Waiohinu House Lots, 2nd Series, Kau, Hawaii	11.77	agr	50.00
3589	Dillingham Investment Corp.	8/15/60- 8/14/2000	Lots 4, 6, 7, 8, Blk. 39; Lots 5 & 7, Blk. 40, Waiakea Lots, Waiakea, South Hilo, Hawaii	2.57	bus	900.00
3590	Texaco, Inc.	3/ 1/60- 2/28/85	Gov't. Lands of Kamaee-Wailua & Puuoha, North Hilo, Hawaii	548.75	cane	3,010.37
3591	Isamu Kanekuni & George T. Inouye, dba Veterans Produce Exchange	1/16/61- 1/15/2016	Honomu-Hukua, Kaakepa & Kaupakuea, South Hilo, Hawaii	907.93	cane	6,975.10
3592	Hiroaki Kono, dba Hilo Transportation Co.	1/16/61- 1/15/2016	Kawainui, South Hilo, Hawaii	191.00	cane	1,403.05
3593	Automotive Supply Center, Ltd.	1/16/61- 1/15/2016	Kaunamano, Hamakua, Hawaii	32.10	cane	210.00
3594	Broto's Body & Fender, James Broto Toledo	1/16/61- 1/15/2016	Gov't. Lands of Puuanahulu & Puuwaawaa, North Kona	105,796.58	past	30,000.00
3595	Harry's Refrigeration Service	1/16/61- 1/15/2016	Por. Gov't. Land of Waiakea, South Hilo, Hawaii	2.66	ind	8,500.00
3596	Isao Morimoto, dba Mori's Paint Shop	1/16/61- 1/15/2016	Lot 42, Kanoelchua Industrial Lots, Waiakea, South Hilo, Hawaii	.35	ind	560.00
3597	William Aiona, Jr., dba Family Liquor Store	1/16/61- 1/15/2016	Lots 6 & 15, Waiakea Business & Industrial Lots, South Hilo, Hawaii	.78	ind	1,220.00
			Lot 38, Kanoelchua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	576.00
			Lot 15, Kanoelchua Industrial Lots, Waiakea, South Hilo, Hawaii	.22	ind	400.00
			Lot 18, Kanoelchua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	440.00
			Lot 37, Kanoelchua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	605.00
			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
3598	Honolulu Roofing Co., Ltd.	1/16/61- 1/15/2016	Lot 17, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	\$ 440.00
3599	Kaneko Jelly, Ltd.	1/16/61- 1/15/2016	Lot 22, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.77	ind	1,015.00
3600	Durant Realty Co.,	1/16/61- 1/15/2016	Lot 29, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.34	ind	585.00
3601	Edward Hamilton Inman	1/16/61- 1/15/2016	Lot 33, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.77	ind	828.00
3602	Hawaii Pest Control, Ltd.	7/ 5/63- 1/15/2016	Lot 40, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.36	ind	570.00
3603	Harders Company, Ltd.	1/16/61- 1/15/2016	Lot 41, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.29	ind	460.00
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
3606	Hilo Kala, Inc.	7/19/66- 1/15/2016	Lot 28, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.34	ind	575.00
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
3611	Hawaii Planing Mill, Ltd.	1/16/61- 1/15/2016	Parcel IV, Waiakea Bus. & Indus. Lots, South Hilo, Hawaii	2.33	ind	3,660.00
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
3613	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Gov't. Lands at Humuula & Kahoahuna, North Hilo, Hawaii	1,176.073	cane	1,444.58
3614	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Niupae-Kealakaha Gov't. Tracts & Gov't. Land at Kaala, Hamakua, Hawaii	655.60	cane	4,464.29
3615	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Gov't. Lands of Ookala-Manowaialee, North Hilo & Hamakua, Hawaii	1,368.44	cane	9,781.49
3616	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Kaiaakea Makai Gov't. Remainder, North Hilo, Hawaii	80.08	cane	580.99
3617	Honokaa Sugar Co.	2/ 1/61- 1/31/91	Kaao-Paalaea Gov't. Tract, Hamakua	434.74	cane	3,075.88
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
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
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
3621	Hawaiian Grocery Stores, Ltd.	2/24/61- 2/23/2016	Lot 32, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.89	ind	1,170.00
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
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
3631	A & A Hawaii, Inc.	3/20/61 3/19/2016	Lot 11, Kanoelehua Industrial Lots, Waiakea, South Hilo	.24	ind	410.00
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
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
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
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
3656	Richard Smart	8/11/61- 8/10/81	Por. of Puukole-Koaeae Mauka Tract, North Kohala, Hawaii	168.59	past	2,550.00
3657	Richard Smart	8/11/61- 8/10/81	Pohakuloa Mauka Gov't. Tract, Pohakuloa & Kalaha 1st, N. Kohala	191.35	past	750.00
3658	Richard Smart	8/11/61- 8/10/81	Por. of Kapaa Makai Gov't. Lots, North Kohala, Hawaii	53.55	past	83.68
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
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
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	1,358.61 14.33 603.68	cane past waste	10,950.53 35.83 60.37
3669	Jack & Sue Ota	3/20/61- 3/19/2016	Lot C, Hoolulu Business Lots, Waiakea, South Hilo, Hawaii	.69	bus	1,110.00
3670	Machida, Inc.	3/20/61- 3/19/2016	Lot 30, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.35	ind	585.00
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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
S-3698	Bank of Hawaii	1/26/62- 1/25/2017	Lot 7, Resubdivision of blk. 47, Waiakea House Lots, Waiakea, S. Hilo	.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	.555	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	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	7/ 1/64- 6/30/2029	Mountain View Water System, Land Site #1, Puna, Hawaii	.186	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		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-3742	Hilo Trailer, Limited	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		cty	Gratis
S-3745	County of Hawaii, Civil Defense & Disas Relief Agency	4/26/63- 4/25/2013	Pigeon Cave, Puuanahulu Mauka, North Kona		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	.643	cty	Gratis
S-3836	Tsuruyo Oda	6/16/64- 6/15/2019	Waiakea, north corner of Kilauea St. & Volcano Rd., South Hilo	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	10.00	bus	438.00
S-3839	United States of America	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)	8/17/64- 8/16/2029	Pohakuloa Water License and Easements	—	fed	Gratis
S-3855	County of Hawaii	10/11/63-10/10/2028	Kukuau 2nd & Waiakea, S. Hilo	2.00	cty	Gratis
S-3865	County of Hawaii	8/28/64- 8/27/2024	Utility easements at Panaewa, South Hilo	0.182	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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S- 3871	Waiakea Settlement, Y.M.C.A.	10/30/64-10/29/2019	Por. of Gov't. (Crown) Land of Waiakea, South Hilo, Hawaii	3.70	ele	\$2,540.00
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
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	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 and 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, Kaauihuhu 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, S. Hilo	.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	.882	bus	120.00
S- 3929	Sun Sun Lau, Ltd.	8/17/66- 8/16/2021	E. Corner of Kinooie & Wailo Sts., Waiakea, S. 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, Kahaula 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	66.54	past	195.00
S- 3932	Paauihau 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	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	.307	bus	420.00
S- 3936	Kazuo Kimura	9/24/65- 9/23/2020	Lot 6, Panaewa Farm Lots Sub-division, 2nd Series, S. Hilo	10.243	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	160.20	agr	2,322.00
S- 3949	James S. Kuwahara	12/20/65-12/19/2000	Keonepoko Homesteads, Pahoa, Hawaii	20.400	agr	672.00
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	Treasury Dept., U.S. Coast Guard	4/15/66- 4/14/2031	Hoopuloo, 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, S. 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, S. 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 Kipahoe, Oielemoana 2nd, Opihihali 1, por. Kaohe 5 to Kolo & por. of Kaohe 4, S. Kona, Hawaii	1,270.000	past	3,150.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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 and 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, Piipihonua, S. Hilo, Hawaii 2-3-27	3.572	ele	1,396.00
S-4019	Seven Seas, Inc.	10/ 6/66- 3/19/2016	Lots A & B, Hoolulu Business Lots, Waiakea, S. Hilo, Hawaii 2-2-33	1.184	bus	2,602.00
S-4020	U. S. A.	8/16/66- 8/15/86	Makuu, Puna, Hawaii	33.058	fed	Gratis
S-4024	George Freitas Dairy, Inc.	11/29/66-11/28/91	Puuepa 2—Kokoiki Government Tract, N. Kohala, Hawaii 5-5-05	74.340	past	1,200.00
S-4025	James Mallaby Greenwell, Robert Francis Greenwell & Harold Stanley Wright, Trustees for Palani Ranch Trust	11/29/66-11/28/91	Honuaula Tract No. 2, Honuaula, N. 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	Portion of Government land of Waiakea, South Hilo, Hawaii 2-1-09	.130	r/w	10.00
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-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 Company	9/ 6/67- 9/ 5/92	Lauka-Kulihai, Hamakua, Hawaii	117.920	agr	1,020.00
S-4108	Honokaa Sugar Company	9/ 6/67- 9/ 5/92	Hanapai, Hamakua, Hawaii	43.550	agr	451.00
S-4109	Honokaa Sugar Company	9/ 6/67- 9/ 5/92	Hamakua, Hawaii	160.870	agr	1,861.00
S-4130	Hawaiian Telephone Company	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	Kaaunahu, 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 Company	2/23/68- 2/22/93	South Kohala, Hawaii	775.083	agr	10,000.00
S-4196	University of Hawaii	4/26/68- 4/25/2033	South Kohala, Hawaii	196.414	agr	1.00
S-5000	Tsugio Sakata	3/31/67- 3/30/2032	Porton of Government Land of	.012	r/w	11.00
S-5001	Kiyomi Kobata & Fumie Kobata	3/31/67- 3/30/2022	Parcel A, Waiakea, S. Hilo, Hawaii 2-2-32	1.000	bus	4,262.00
S-5002	Aiea Dairy, Ltd.	3/31/67- 3/30/92	Lot 88, Kaapahu Homesteads, Mauka Section, Hamakua, Hawaii 4-4-13:11	20.500	past	250.00
S-5003	Frank A. Massow & Laura M. Massow	3/31/67- 3/30/92	Lots 1417 & 1516, Waiakea Homesteads 3 Series, S. Hilo, Hawaii 2-4-06	68.670	past	330.00
S-5004	Sueichi & Yoshito Kawashima	3/31/67- 3/30/92	Lot 5A, Paauilo 2nd Series Homestead, Hamakua, Hawaii	3.040	agr	46.00
S-5005	Marjorie Corley	3/31/67- 3/30/2002	Portion of Government Land of Keonepoko-Nui, Puna, Hawaii 1-5-98	5.000	agr	65.00
S-5015	Motoshi Sako	5/19/67- 5/18/02	Portion of Government Land of Olaa, Puna, Hawaii 1-7-01	.466	bus	485.00
S-5017	Mary K. Phillips	5/19/67- 5/18/2002	Portion of Government Land of Lalamilo, Waimea, S. Kohala, Hawaii 6-6-04	.033	r/w	22.00
S-5018	Nalei, Inc.	5/19/67- 5/18/2032	Lots 11 & 11-A, Ocean View Lots, Waiakea, S. Hilo, Hawaii 2-1-05	1.115	bus	10,600.00
S-5019	Kohala Ditch Co., Ltd.	5/19/67-12/31/91	Surface waters from State owned Watersheds at Hamakua & N. Kohala, Hawaii	5,100.000	wtr	8,000.00
S-5020	Kohala Sugar Co.	5/19/67- 5/18/92	Awalua-Haena Government Tract at N. Kohala, Hawaii 5-6-01	185.550 8.800 14.480 22.250 231.080	cane road waste past total	1,923.00



SECOND LAND DISTRICT Islands of Maui, Molokai and Lanai

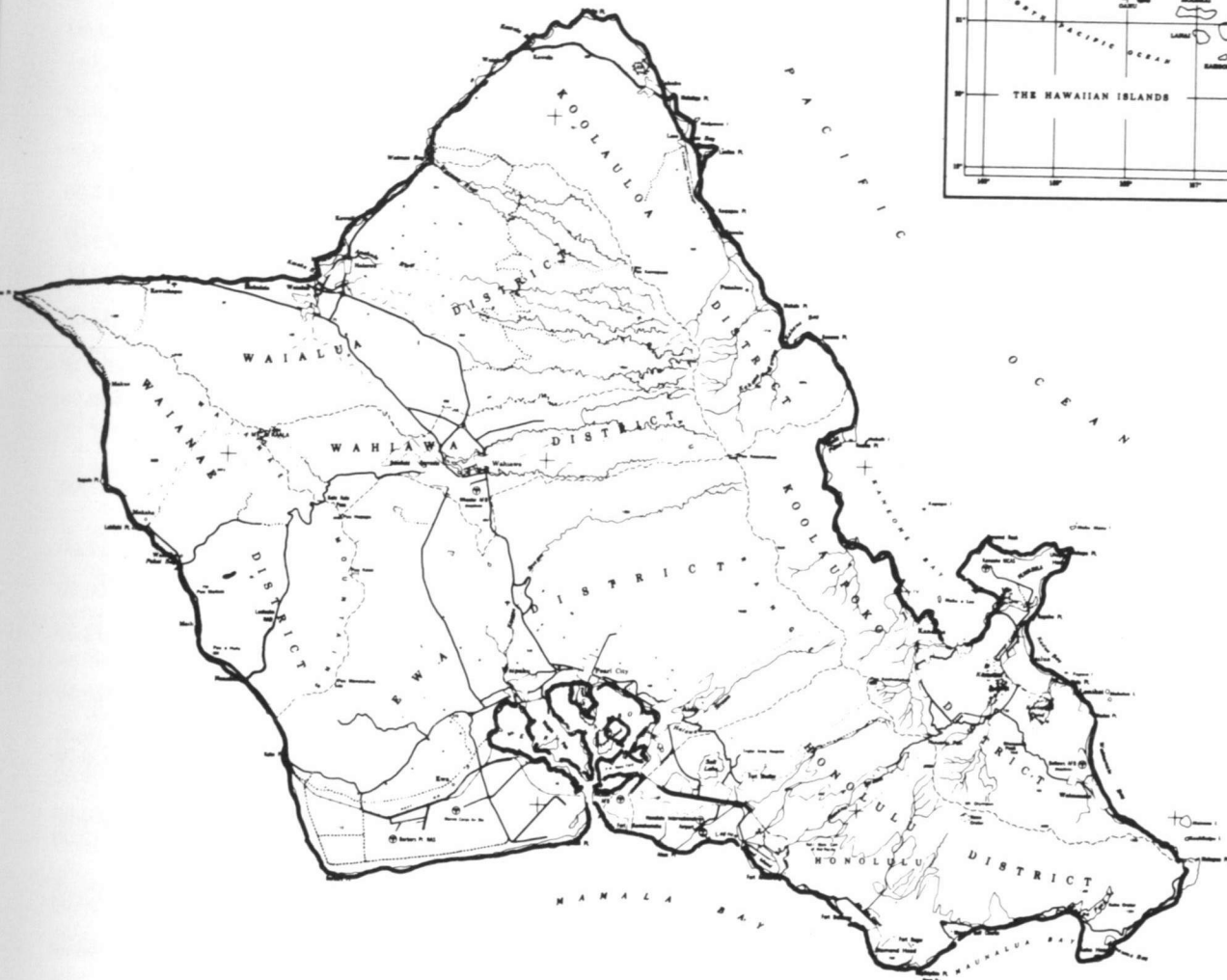
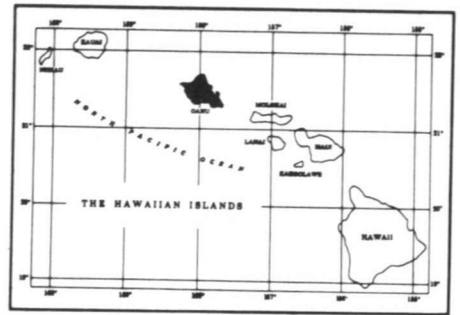
GENERAL LEASE — SUMMARY, SECOND LAND DISTRICT

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture, General	1,334.238	\$ 36,101.00	27
Business	3.480	96.00	1
Sugar Cane	3,152.376	60,654.21	6
County	1.970	—	2
Eleemosynary	51.600	316.00	5
Federal Government	11,219.775	—	4
Fishpond .....	.600	137.00	1
Industrial	1.262	1,800.00	2
Pasture	32,336.946	47,554.60	53
Recreational	7.742	150.00	1
Residential	9.627	810.00	2
Rights of Way	23.830	1,878.00	7
Waste Land	128.134	(a)	(a)
Water Licenses, reservoirs, etc.	3,381.000	70,170.00	5
TOTALS	51,652.580	\$219,516.81	116

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3184	Kaonoulu Ranch Co., Limited	11/ 1/47-10/11/68	Waiohulu-Keokea Pasture Land, Makawao	6,003.57	past	\$5,900.00
3222	Joseph Loo Akana	12/29/47-12/28/68	Lots 48, 50, 51, Waiohonu-Kakio Homesteads, Hana	25.08	past	25.00
3224	Tin Fook Tom	12/29/47-12/28/68	Kamaole, Kula	25.70	past	25.00
3233	Manuel F. Cairnes, Jr.	12/29/47-12/28/68	Mokupapa, Hamakualoa	53.33	past	75.00
3234	Violet C. King	12/29/47-12/28/68	Honopou, Hamakualoa	9.55	past	13.32
3235	John Pacheco Tavares	12/29/47-12/28/68	Honokala Gov't. Remnt., Hamakualoa	28.42	past	35.00
3236	Violet C. King	12/29/47-12/28/68	Honopou & Hoolawa	28.9	past	85.00
3238	Ulupalakua Ranch, Inc.	7/ 1/48- 6/30/69	Kualapa-Kalihi, Kanahena, Moho-pilo-Onau Honuaulo, Makawao	2,800.00	past	1,550.00
3289	Kaonoulu Ranch Co., Limited	5/10/49- 5/ 9/70	Lots 2-8, 10-15, 21, Waiohuli-Keokea Mauka Homestead Tract	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
S- 3291	George Boteilho	5/10/49- 5/ 9/70	Lots 29-A, 29-B, 29-E, Nahiku Homesteads, Koolau, Maui	21.880	past	15.00
3292	Kaupo Ranch, Ltd.	7/26/49- 7/25/70	Nakula, Kaupo	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	261.600	past	26.16
3294	John A. Medeiros, Jr.	5/10/49- 5/ 9/70	Kawaipapa & Wakiu, Hana	563.045	past	100.00
3295	Kaupo Ranch, Ltd.	5/10/49- 5/ 9/70	Government Lands in Kaupo	317.020	past	300.00
S- 3299	Pioneer Mill Co., Ltd.	1/ 1/50- 12/31/70	Section A & B, Portion of Govt. 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	.425	r/w	1.00
3349	East Maui Irrigation Company, Limited	7/ 1/50- 6/30/71	Keanae, Koolau Forest Reserve	.....	wtr	10.00
3394	Kaupo Ranch, Ltd.	1/14/52- 1/13/73	Por. of Gov't. Lands of Pualaea Kaniaula & Kalepa, Kaupo	361.400	past	325.00
3396	Maui Factors, Inc.	8/20/65- 1/13/73	Por. of Gov't. Land of Ukumehame	4,858.431	past	6,740.00
S- 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	1.840	past	12.00
3399	Wilbert P. Costa	1/14/52- 1/13/73	East Honomalee Kawela-Kaileku Gov't. Tract, Hana	960.000	past	8,025.00
S- 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	2.710	past	30.00
3404	Hiroshi Takatani	1/14/52- 1/13/73	Por. of Gov't. Land of Maluaka, Honuaula, Makawao	2.000	agr	16.00
3405	Roy I. Akiyama & Ralph H. Iwamoto	11/21/65- 1/13/73	Gov't. Land at Pukoo 3	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	.200	ele	20.00
3411	Pioneer Mill Co., Ltd.	1/14/52- 1/13/73	Por. of Gov't. Land at Olowalu, Lahaina	.....	r/w	100.00
3488	Tatsuo Suehiro	6/28/54- 6/27/75	Lot B, Alamihi, Lahaina	.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	.26	ele	26.00
3490	James Kekiwi	6/28/54- 6/27/69	Lot 9-A, Wailua Homesteads, Koolau	.770	agr	26.00
3491	Samuel Akina	6/28/54- 6/27/69	Lot 36-A, Wailua Homesteads, Koolau	0.44	agr	26.00
3492	Mrs. Apolonio K. Day	6/28/54- 6/27/69	Lot 33-A, Wailua Homesteads, Koolau	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	14.68	agr	36.00
3494	John Kaholokula	6/28/54- 6/27/69	Gov't. lot at Peahi, Uaaoa and Kealinui, Hamakualoa	6.25	agr	66.00
3495	Joseph Young	6/28/54- 6/27/75	Lot 36, Wailua Homesteads, Koolau	1.80	agr	44.00
3496	Margaret Hueu	6/28/54- 6/27/75	Lots 3 & 3-A, Keanae Homesteads, Keanae	1.77	past	24.00
3497	John Emmsley	6/28/54- 6/27/75	Gov't. Land of East Papaaea, Hamakualoa	50.56	past	40.00
3498	John Pacheco Tavares	6/28/54- 6/27/75	Gov't. remnant in W. Hanawana, Hamakualoa	31.47	past	40.00
3499	Joseph & Williet E. Range	6/28/54- 6/27/75	Gov't. remnant in W. Papaaea, Hamakualoa	79.10	past	100.00
3500	Ah Chow Atai	6/28/54- 6/27/75	Lots 5 & 5-A, Honomanu Homesteads, Koolau	4.44	past	24.00
3501	Mrs. Pearl Friel	6/28/54- 6/27/75	Por. Gov't. Land of East Ohia	56.44	past	50.00
3505	East Maui Irrigation Co., Limited	7/ 1/55- 6/30/76	Nahiku Water License, Hana & Makawao	.....	wtr	4,510.00
3513	Ernest E. Marks	4/25/55- 4/24/76	Lots 1, 2, 3, & 4, Ualapue Pasture Lots, Ualapue	21.55	past	126.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3514	Hana Ranch Co., Ltd.	4/25/55- 4/24/76	Lots 1 & 2, Papaauhau Remnants	26.07	past	\$ 78.00
3515	Frank Tavares Pacheco	4/25/55- 4/24/76	Por. Gov't. Remnant in Hanehoi Hamakualoa	52.65	past	175.00
3516	Alfred Alu	4/25/55- 4/24/70	Por. Gov't. Land of Wailua-nui, Koolau, Hana	2.10	agr	12.00
3518	Decker G. McAlister	4/25/55- 4/24/70	Por. of Waiohonu Gov't Remainder between sea coast & S.E. boundary of Waiohonu Houselots, Waiohonu Por. Gov't. Land of Waiahoa and Papaanui	1.84	agr	24.00
3535	Maui Electric Co., Ltd.	1/16/56- 1/15/77	Kolekole Hill, Papaanui, together with easement, Makawao	4.762	r/w	24.00
3536	Hawaiian Broadcasting	3/ 1/56- 2/28/77	Por. of Land of Kahakulua, Kaanapali	3.480	bus	96.00
3537	Wailuku Sugar Co.	1/16/56- 1/15/77	Kaluaaha School Lot, Kaluaaha	136.40	past	300.00
3538	Harold P. Hustace	1/16/56- 1/15/71	Huelo License, Hamakualoa	5.063	agr	301.00
L-3578	East Maui Irrigation Company, Inc.	7/ 1/60- 6/30/81		.....	wtr	50,010.00
3588	Pioneer Mill Co., Ltd.	7/1/60- 12/31/89	Honokowai, Lahaina	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)	1.25	agr	25.00
S- 3637	William Neilson and Dorothy Stuart Neilson	4/14/61- 4/13/91	Por. of Gov't. Land of Kawaipapa, including Loko Waiohonu, Hana	.60	fpd	137.00
S- 3638	Maui Pineapple Co., Limited	4/14/61- 4/13/81	Honokowai Mauka Gov't. Tract, Kaanapali, Lahaina	157.94	agr	3,800.00
S- 3640	Ulupalakua Ranch, Inc.	4/28/61- 4/27/82	Lot 40, Nahiku Homesteads, Koolau	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	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	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 Gov't. Land of Pukoo, Molokai	148.24	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, Kahakulua Homesteads, Wailuku (Kaanapali)	47.68	ele	60.00
S- 3685	Wailuku Sugar Co.	1/12/62- 1/11/82	Lot 12-B-2, Kahakulua Homesteads, Wailuku, (Kaanapali)	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	12.48	cane	735.00
S- 3695	East Maui Irrigation Company, Limited	7/ 1/62- 6/30/86	Honomanu Water License, Koolau	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	66.00	past	120.00
S- 3700	Ulupalakua Ranch, Ltd.	3/19/62- 3/18/82	Gov't. Land of Honuaula, Kanaio and Kaunuaahano, Kaloi Gov't. Tract, incl. Lots 1-17, incl. of Kanaio Homesteads, Honuaula	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	423.200	past	3,714.00
S- 3714	County of Maui & U.S.A.	11/15/62-	Abandoned shop building at Firebreak Rd., Puunene Airport	962.725	fed	None
S- 3717	West Maui AJA Veterans Club	11/ 5/62- 11/ 4/87	Lot 46, Wahikuli Houselots, 3rd Series, Lahaina	.46	ele	120.00
S- 3730	County of Maui Civil Defense Agency	3/18/63- 3/17/73	Concrete storage buildings at old Puunene Airport, Puunene	.....	cty	.....
S- 3741	U.S.A., FAA	7/ 1/64- 6/30/84	Kealalaloa, Ukumehame	1.000	fed	Gratis
S- 3749	U.S.A., Corps of Engineers (U.S. Army)	4/19/63- 4/18/2028	Papaanui, Makawao (Honuaula)	4.45	fed	Gratis
S- 3817	Maui Young Men's Christian Association	11/24/64-11/23/2019	Keanae, Hana (Koolau)	7.742	rec	150.00
S- 3820	Roy F. & L. A. Bodnar	4/ 8/64- 4/ 7/84	Gov't. Remnants, Parcels C, D, E, Puolua, Hamakualoa, Makawao	12.89	past	60.00
S- 3821	Leonard Nakoa	4/ 8/64- 4/ 7/74	Lots 6, 9, 16, 23, 47, 48, 57, 58 Kahukulua Hmstds., Wailuku, Maui	1.539	agr	109.00
S- 3822	Walter Teixeira	4/ 8/64- 4/ 7/84	Lot 1, Upper Kualopa Lots, Makawao	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	1.497	agr	48.00
S- 3824	Anthony DeCoite	4/ 8/64- 4/ 7/84	Parcels A & B, Paehala Gov't. Tract, Paehala, Hana	48.1	past	105.00
S- 3825	County of Maui	5/22/64- 5/21/2029	Old Kipahulu School Lot, Kalena, Hana	1.97	cty	Gratis
S- 3826	County of Maui Civil Defense Agency	11/25/64-11/24/74	Splinter Shelter Bldg., Facility No. 03659; Bldg. 2, Old Puunene Airport, Puunene	.....	cty	Gratis
S- 3835	Pioneer Mill Co., Ltd.	6/ 2/64- 6/ 1/84	Honokowai, Kaanapali, Wahikuli, Lahainaluna, Lahaina	17.901	r/w	1,500.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S- 3857	Leslie W. & Coila I. Eade	8/17/64- 8/16/99	Papaauhau, between Hana Hwy. & the Sea, Papaauhau, Hana	5.20	agr	\$ 590.00
S- 3918	University of Hawaii	5/28/65- 5/27/2030	Parcel 1, Kealahou 1 & 2 and Waiahoa, Makawao, Kula	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	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	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	.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, Waiohono-Kakio Homesteads, Hana	35.85	past	90.00
S- 3965	Samuel Kaauamo	6/ 1/66- 5/31/86	Lots 17-A & 46, Wailua Homesteads, Wailua, Hana	2.63	agr	34.00
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	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	162.600 37.840 42.759	cane waste	950.00
S- 3986	Molokai Farm, Inc.	7/11/66- 7/10/2001	Parcel A, Molokai Farm Lots, Hoolchua-Apana 2 and Paalu-Apana 2, Molokai	80.599 365.000	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 Company, Limited	3/ 7/68- 3/ 6/88	Hamoia, Hana, Maui	1.000	agr	15.00
S- 4190	Frank Kaauamo	3/ 7/68- 3/ 6/88	Wailua, Hana, (Koolau), Maui	2.760	agr	40.00
S- 4142	Harry O. Mitchell	4/22/68- 4/21/88	Wailua Homesteads, Wailua, Maui	2.180	agr	55.00
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	1,875.303	cane	35,500.00
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 7.275	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	42.083 3.000	ele	90.00
S- 5010	Edward B. Ferreira & Sylvia M. Ferreira	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



THIRD LAND DISTRICT *Island of Oahu*

GENERAL LEASES — SUMMARY, THIRD LAND DISTRICT

Use	Area (Acres)	Annual Rental	No. Leases
Agriculture, General	843.005	\$ 42,149.95	59
Business	156.273	79,391.00	11
Eleemosynary	125.398	12,211.00	5
Federal Government	7,305.051	—	9
Industrial	120.802	253,736.00	17
Pasture	1,907.685	5,831.00	8
Pineapple	578.265	17,119.45	1
Recreational	200.849	316.50	3
Residential	1.180	720.00	3
Rights of Way	122.656	3,094.35	48
Water licenses, reservoirs, etc.	4,620.130	31,012.00	33
TOTALS	15,981.294	\$414,569.25	197

GENERAL LEASES AND LICENSES—THIRD LAND DISTRICT—JUNE 30, 1967

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, Kancohe, 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	Kancohe, Koolaupoko	89.50	agr	770.00
3389	Oahu Sugar Co., Ltd.	4/ 4/51- 4/ 3/72	Waimalu, Kaumiumi, Ewa	7.613	agr	106.00
3390	(Mrs.) Apolonia Rose	7/ 1/51- 8/31/72	Aiea, Ewa	.60	past	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
3429	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/ 6/68	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
3466	Kota Nakata	12/ 7/53-12/ 6/68	Lualualei, Waianae	.686	agr	9.10
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	Kancohe 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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
S- 3564	Communications, Hawaii & Hercules Broadcasting Co.	8/27/56- 8/26/77	Kaakaukui, Honolulu	.080	bus	1,400.00
3565	GEM Ientrnational, 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- 3725	Larry Silva	1/14/63- 1/13/2028	Waianae	.082	r/w	20.00
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 and County of Honolulu	4/ 1/64- 3/31/74	Lot B, Iwilei Gov't. Lots, Honolulu	3.00	bus	1.00
S- 3808	City and 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	Kaawaula, 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- 3845	U.S.A. (Army)	8/17/64- 8/16/2029	Kaena Point Tracking Station	138.07	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	.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- 3902	Oahu Sugar Company	3/11/65- 3/10/2005	Pipeline & utility easement at Waipahu, Waikele	.066	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		r/w	1.00
S- 3904	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	Overhead & underground easement across Kalihi Waena School, Honolulu	.418	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

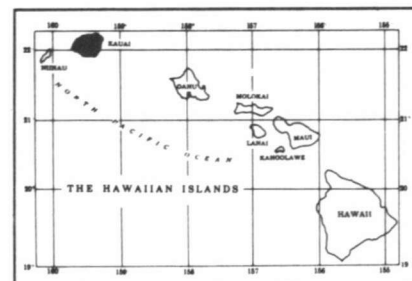
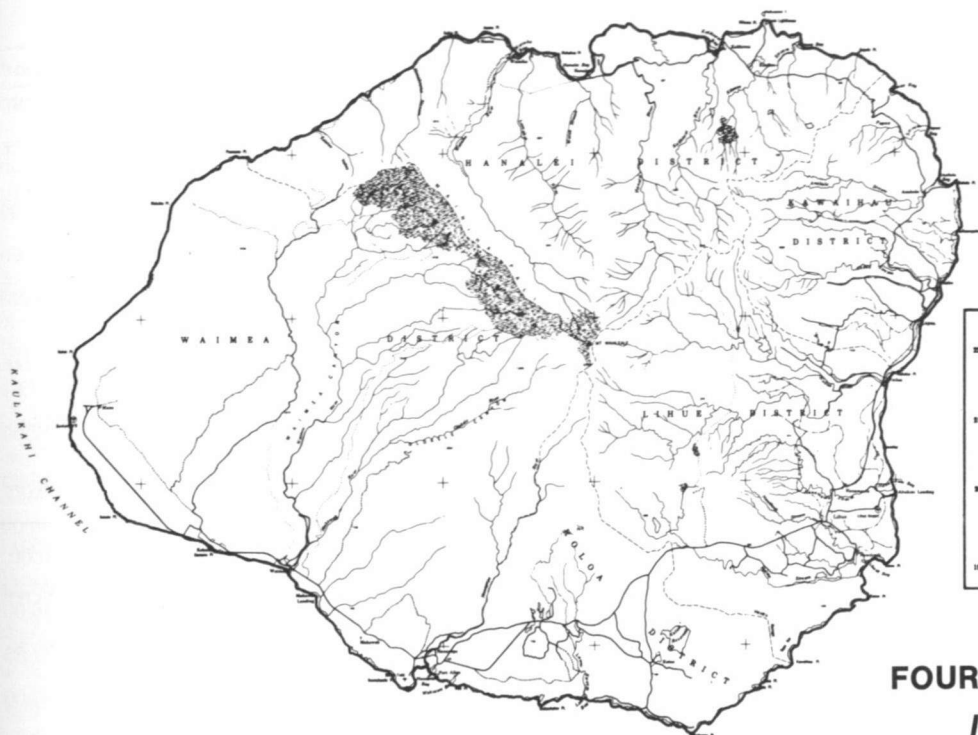
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S- 3978	Ralph Ajifu & Richard Azama	6/27/66- 6/26/2031	Kaluapuhi-Waikalua Homesteads, Kaneohe	.168	r/w	\$ 30.00
S- 3979	Halcyon Lee Song & Agnes S. Field	6/27/66- 6/26/2031	Por. Gov't. Land, Opu (Watershed Forest Reserve, Round Top Drive, Tantalus)	.058	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 & June S. Aoki	6/27/66- 6/26/2031	Por. of Gov't. Land, Pauoa Valley	.012	r/w	1.00
S- 3982	Castle & Cooke, Inc.	6/27/66- 6/26/2031	Kuwili, Kapalama-Kai	.091	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	2.735	bus	6,000.00
S- 4014	Little League Stadium	4/ 1/68- 3/31/2033	Kapahulu, Honolulu, Oahu 3-2-30	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- 4095	Olomana Golf Links, Inc.	5/ 4/67- 5/ 3/2007	Portion of Government Land of Waimanalo, Koolaupoko, Oahu	129.859	bus	16,500.00
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	Maunalua, 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	Tony Di Mauro	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.909	ind	13,000.00
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. Change Contractors, Inc.	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	507	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, Company	10/10/67-10/ 9/2007	Moanalua, Oahu, Hawaii	.574	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- 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	elec	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
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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S- 3757	Raymond M. & Lily T. Kam	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 9, Waimanalo Agricultural	3.742	agr	\$ 300.00
S- 3758	Kazuto Yamada	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 10, Waimanalo Agricultural	4.094	agr	350.00
S- 3759	Kawahara Nursery & Landscaping Co., Ltd.	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 11, Waimanalo Agricultural	4.486	agr	375.00
S- 3760	Kaname & Ethel H. Tanaka	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 12, Waimanalo Agricultural	4.635	agr	390.00
S- 3761	Philip P. Minn Plant Nursery	2/ 2/64- 2/ 1/84	Subdivision, Koolaupoko Lot 13, Waimanalo Agricultural	4.014	agr	360.00
S- 3762	Henry Hiroshi Miyamoto	2/ 2/64- 2/ 1/84	Subdivision, Koolaupoko Lot 14, Waimanalo Agricultural	5.137	agr	420.00
S- 3763	John G. Kilbey & Charles K. Baker	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 15, Waimanalo Agricultural	5.256	agr	410.00
S- 3764	Evergreen Nurseries	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 16, Waimanalo Agricultural	3.228	agr	295.00
S- 3765	Harry N. Okabe & Irene Okabe	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 25, Waimanalo Agricultural	7.787	agr	560.00
S- 3766	Rodney H. & Iris T. Fukui	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 26, Waimanalo Agricultural	7.001	agr	725.00
S- 3767	Ronald Lindsey	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 27, Waimanalo Agricultural	7.195	agr	515.00
S- 3768	Stanley S. Kawabata	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 28, Waimanalo Agricultural	6.836	agr	515.00
S- 3769	Mun On and Rosalind K. Chang	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 29, Waimanalo Agricultural	5.515	agr	540.00
S- 3770	Hiroshi & Sallie Ikene	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 30, Waimanalo Agricultural	5.794	agr	430.00
S- 3771	Samuel L. W. Kapahua	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 31, Waimanalo Agricultural	10.005	agr	1,000.00
S- 3772	Walter S. S. Zane & Florence F. Zane	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 32, Waimanalo Agricultural	6.521	agr	1,300.00
S- 3773	Lloyd W. Martin	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 34, Waimanalo Agricultural	9.686	agr	650.00
S- 3774	Katsumi Mashita	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 35, Waimanalo Agricultural	8.541	agr	585.00
S- 3775	Micko Antoku	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 36, Waimanalo Agricultural	8.860	agr	600.00
S- 3776	James F. Ching	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 37, Waimanalo Agricultural	8.513	agr	490.00
S- 3777	Raymond Y. C. Ching	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 39, Waimanalo Agricultural	7.883	agr	515.00
S- 3778	Melvin Y. S. Chang	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 40, Waimanalo Agricultural	5.686	agr	420.00
S- 3779	James A. Nakano & Takashi Ishihara	10/13/64-12/ 4/83	Subdivision, Koolaupoko Lot 41, Waimanalo Agricultural	6.032	agr	435.00
S- 3780	Marion Freitas & Chiharu Yoneda	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 46, Waimanalo Agricultural	6.705	agr	300.00
S- 3782	Peter A. & Gertrude Pak Chong	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 38, Waimanalo Agricultural	7.136	agr	550.00
S- 3783	Henry, Joseph, & Theresa Castillo	2/ 5/64- 2/ 4/84	Subdivision, Koolaupoko Lot 1, Waimanalo Agricultural	11.092	past	705.00
S- 3784	Edward D. & Carroll Sultan	12/ 2/63-12/ 1/83	Subdivision, Koolaupoko Lot 22, Waimanalo Agricultural	19.481	past	730.00
S- 3786	George & Hazel K. Ilac	12/ 5/63-12/ 4/93	Subdivision, Koolaupoko Lot 6, Waimanalo Agricultural	4.630	agr	500.00
S- 3787	William N. K. & Mary Y. Y. Kamai	12/ 2/63-12/ 1/93	Subdivision, Koolaupoko Lot 7, Waimanalo Agricultural	3.536	agr	245.00
S- 3789	Shirley May Sumic	12/ 5/63-12/ 4/93	Subdivision, Koolaupoko Lot 42, Waimanalo Agricultural	1.146	agr	380.00
S- 3792	Elizabeth Heavey & Eleanor Kaleimomi McLellan	12/ 5/63-12/ 4/93	Subdivision, Koolaupoko Lot 45, Waimanalo Agricultural	1.100	agr	380.00
S- 3793	Robert L. & Anna K. Ham	12/ 2/63-12/ 1/93	Subdivision, Koolaupoko Lot 18-A, Waimanalo Agricultural	6.490	agr	950.00
S- 3794	Arthur H. Zsupnik, dba Art's Liquidation Co.	12/ 2/63-12/ 1/93	Subdivision, Koolaupoko Lot 18-B, Waimanalo Agricultural	5.744	agr	700.00
S- 3838	Maurice J. Sullivan	6/22/64- 6/21/94	Subdivision, Koolaupoko Lots 17, 19, 20 & 21, Waimanalo	62.704	agr	3,400.00
S- 3854	Stewart L. & Arla Wagers Wade	8/10/64- 8/ 9/84	Subdivision, Koolaupoko Lot 47, Waimanalo Agricultural	5.492	agr	550.00
S- 3856	Fred M. & Toshiko Nakayama	8/10/64- 8/ 9/84	Subdivision, Koolaupoko Lot 9, Waimanalo Farm Lots,	9.474	agr	570.00
S- 3858	Warren Q. K. Yee & Ellen S. P. Yee	8/10/64- 8/ 9/84	Koolaupoko Lot 8, Waimanalo Agricultural	3.662	agr	570.00
S- 3859	Harry N. & Irene M. Okabe	8/10/64- 8/ 9/84	Subdivision, Koolaupoko Lots 56-A & 56-B, Waimanalo	8.928	agr	580.00
			Farm Lots, Koolaupoko			

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	John T. & Charline P. MacKillop	8/10/64- 8/ 9/84	Lot 33, Waimanalo Agricultural Subdivision, Koolaupoko		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 & Yukio Sumida dba Arista	9/12/66- 9/11/86	Lot 28, Waimanalo Farm Lots Subdivision, Koolaupoko, Oahu, 4-1-25:54	9.454	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	489.093	\$ 13,723.84	52
Business	44.951	78,303.00	18
Sugar Cane	16,450.153	367,315.29	6
County	3.147	—	1
Eleemosynary	1.854	240.00	2
Federal Government	468.395	600.00	4
Industrial	14.898	11,125.00	4
Pasture	11,698.598	18,078.49	44
Pineapple	86.760	2,349.63	2
Recreational	127.767	12,174.00	111
Residential	1.570	976.00	4
Rights of Way	149.466	5,432.50	15
Waste Lands	16,279.177	—	(a)
Water Licenses, reservoirs, etc.	125.000	92,400.00	2
TOTALS	45,940.829	\$602,717.75	265

(a) Included in sugar 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 Home- steads, Kawaihau, Puna	7.16	pine	236.00
S- 3520	Hawaiian Fruit packers, Limited	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., Limited	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	4.480	agr	82.00
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
3553	Antone & Hattie Bandman	6/15/56- 6/14/71	Lot 62, Kapaa Homesteads, 1st Series, Kapaa, Puna	9.17	agr	300.00
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 #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	Morris S. Shinsato	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	Kazuo Takanishi & Donald R. Bourrasa	4/14/61- 4/13/81	Kokee State Park, Waimea, Kauai	4.359	bus	6,500.00
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, Weliheli, Koloa, Kona	73.258	past	264.16

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
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	past	51.00
S- 3705	Manuel S. Andrade	5/ 2/62- 5/ 1/82	Lot 22, Wailua Rice & Kula Lots, Wailua, Lihue, Puna	1.00 8.28	agr 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	45.27	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		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- 3796	American Factors, Ltd.	11/26/63-11/25/68	Por. Gov't. (Crown) Land of Hanapepe, Waimea, Kona	5.88	ind	3,900.00
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. Olo hena, 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 and Robert A. Lemn	5/11/64- 5/10/84	Lots 54, 55, & 67, por. 65, pors. abandoned Maia Rd. & Lihue Plantation r/r r/w	4.64	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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	189.26	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 and 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
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, Waiula 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- 3891	University of Hawaii	1/25/65- 1/24/85	Lots 9, 10, & 11, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	9.830	agr	180.00
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 and 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 and 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	.088	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 North Oloheua & Waipouli, Lihue & Kawaihau, Puna, Kauai	25.64	r/w	515.00
S- 3912	Cowal Construction Company	4/14/65- 4/13/2020	Lot 5, Kekaha Town Lots, Kekaha, Waimea, (Kona), Kauai	.302	bus	650.00
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 and 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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
S- 3970	Manuel Andrade, Jr.	5/26/66- 5/25/86	Por. of Lots 27 & 28 and 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	.175	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	oLts 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	5/26/66- 5/25/2021	Lot 23, Hanapepe Town Lots, 1st Series, Waimea (Kona), Kauai	.158	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 and 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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	1.070	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
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.	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.010	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	1.010	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 & Hatsuue Calvin Tokita & Phyllis Tokita	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.080	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 Willia Williamson	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.820	res	140.00
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 & Peggy A. Ewart	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.440	res	143.00
S- 4066	Patricia Smith Hodgins	1/ 1/66-12/31/75	Puu Ka Pele, Waimea, Kauai	1.110	res	77.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S- 4067	Sterling E. & Bonnie C. Dunford & William S. Dunford	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.210	res	\$ 84.00
S- 4068	Lindsey A. & Roberta I. Faye	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.800	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	Richard & Kathryn T. Dinham	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	1.070	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	Adria E. Seelig	1/ 1/66-12/31/80	Puu Ka Pele, Waimea, Kauai	.560	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
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	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	.510	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	William J. Duarte	1/ 1/66-12/31/85	Puu Ka Pele, Waimea Kauai	.310	res	29.00
S- 4092	Samuel Thronas	2/16/67- 2/15/2002	Parcels A & B, Wailua Game Reserve, Wailua, North & South Olohana, Waipouli, Kapaa, Kawaihau, Kauai 4-2-91:1 & 4 4-4-01:1	1,855.000	past	2,030.00
S- 4134	Kauai Industries	11/29/67-11/28/2002	Waimea (Kona), Kauai	.305	bus	480.00
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	22.160	ind	17,376.00
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 & Manuel H. Silva	1/ 1/66-12/31/85	Kokee Camp site, Kauai	.580	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	Kenneth K. Kondo & Masayo K. Kondo	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.410	res	34.00
S- 4154	Waichi Ikeda & Elsa Y. Ikeda	1/ 1/66-12/31/80	Kokee Camp site, Kauai	.430	res	36.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	Carlo Panfiglio & Arthur E. Smith	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.130	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	1.020	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
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 & Mary Lou Noenolani Lewis	1/ 1/66-12/31/85	Puu Ka Pele, Waimea, Kauai	1.010	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. Kajiware	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- 5007	University of Hawaii	6/ 1/67- 5/31/87	Lihue-Koloa Fores 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, 1967 AND 1968

Island and State Park Area	Year Estab.	Acreage, as of June 30			Recreation 1953	Visits (1,000s) ¹ 1967	(1,000s) ¹ 1968
		1952	1967	1968			
All State Park Areas	—	5,422.4	7,536.2	7,541.3	75.5	3,204	4,767
HAWAII	—	13.2	174.9	176.2	35.5	700	1,618
Akaka Falls State Park	1952	—	65.4	65.4	24	108	103
Hapuna Beach State Park	1967	—	4	4	—	—	138
Hikiau Heiau State Monument	1967	—	4	4	—	—	—
Hulihee Palace State Monument	1968	—	4	1.3	—	—	—
Kalopa State Recreation Area	1967	—	4	4	—	—	—
Kilauea State Recreation Area	1966	—	4	4	—	—	—
Lava Tree State Monument	1956	—	17.1	17.1	—	1	1
MacKenzie State Park	1955	—	13.1	13.1	3	34	119
Manuka State Wayside	1952	13.2	13.2	13.2	8.5	41	62
Mauna Kea State Park	1962	—	4	4	—	66	54
Wailoa River State Recreation Area	1954	—	66.1 ⁵	66.1 ⁵	—	380	75
Wailuku River State Recreation Area	1967	—	4	4	—	—	455
MAUI	—	9.1	23.2	23.2	5	476	611
Halekii-Pihana State Monument	1962	—	10.2	10.2	—	9.5	658
Iao Valley State Park	1961	—	3.9	3.9	—	280	9
Kaunahina State Wayside	1952	7.6	7.6	7.6	3.5	28	346
Keanae Valley State Wayside	1951	1.5	1.5	1.5	1.5	22	46
Launiupoko State Wayside	1965	—	4	4	—	93	39
Poli Poli Spring State Recreation Area	1957	—	4	4	—	—	123
Puua Kaa State Wayside	1954	—	4	4	—	—	—
Waiānapanapa State Park	1966	—	4	4	—	24	41
MOLOKAI	—	—	—	—	—	19	53
Palaau State Park	1955	—	233.7	233.7	—	2	2
OAHU	—	—	174.9	178.2	—	438	400
Diamond Head State Monument ²	1962	—	145.3	145.3	—	—	—
Iolani Palace State Monument	1967	—	10.6	10.6	—	—	—
Keaiwa Heiau State Recreation Area	1955	—	7.2 ⁵	7.2 ⁵	—	256	216
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	—	182	184
Royal Mausoleum State Monument	1968	—	—	3.3	—	—	—
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	6,931.5	6,932.0	35	1,588	2,488
Kokee State Park	1952	4,640.0	4,640.0	4,640.0	20	384	441
Na Pali Coast State Park	1962	—	4	4	—	1	2
Polihale State Park	1967	—	4	4	—	—	—
Wailua River State Park ³	1954	—	425.0 ⁵	425.5 ⁵	—	963	1,376
Waimea Canyon State Park	1952	760.0	1,866.4	1,866.4	15	240	270

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

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

³Includes Wailua River Reserve (1956; 297.4 acres), Kaunualii (1956; 4.3 acres), Fern Grotto (1956; 4.8 acres and 1965; 9.8 acres), Boat Basin (1962; 11.4 acres), Poliahu (1962; 59.0 acres), Lydgate (1962; 39.2 acres), and Wailua River Park (1968; 0.5 acres).

⁴Acquired jurisdiction; no definite boundaries yet established.

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

Table 2. STATE PARK REVENUES, BY SOURCE, 1968.

Income Source	Amount
Total	\$50,904.66
Rentals, recreation residence lots, Kokee and Waimea Canyon State Parks, Kauai	2,692.23
Rentals, vacation cabins and lodgings, State operated, all parks	26,838.77
Lease of concessions, Kokee and Wailua River State Parks, Kauai	16,145.43
Sale of water, all parks	4,176.39
Sale of Electricity, Wailoa River State Recreation Area pavilions	983.35
Commissions and Sales, miscellaneous, all islands	68.49

Table 3. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS, EXPENDITURES AND REVENUES BY YEARS—1952-1967

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	7,527	3,204,000	10.0¢	1,904,582	320,187	1,584,395	34,650
1968	36	7,532	4,767,000	7.8¢	2,365,088	373,339	1,991,749	50,905

NA—Not available.

¹Year ended June 30.

²Capital improvement program, including land acquisition.

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

DIVISION OF WATER AND LAND DEVELOPMENT

STATUS OF FLOOD CONTROL INVESTIGATION STUDIES AND PROJECTS

I. 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 & Fed. Agency
Aiea Stream, Oahu	Sec. 205 of the 1948 Flood Control Act as amended *
Kalihi Stream, Oahu	" *
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 *
Kahaluu Watershed, Oahu	P.L. 83-566 †
Honolua Watershed, Maui	as amended " †

II. Construction of Flood Control Projects

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

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

III. Flood Plain Information Study and Flood Mapping

A. 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.

Pupukea-Paumalu, Oahu
Anahola, Kauai
Kihei, Maui
Waialua, Oahu

B. 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 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

CONSTRUCTION PROJECTS AWARDED, UNDER CONSTRUCTION OR COMPLETED

Job No.	Description	Construction Cost	Starting Date	Completion Date	Contractor
LAND PROJECTS					
41-M-15	Waimanalo Core Development Sewage Treatment Plant, Waimanalo, Oahu	\$1,957,180.26	7-27-66	8- 1-68*	Ben Hayashi, Ltd.
10-HL-5	Alii Highway, Kona, Hawaii	315,809.75	3-13-67	3-15-68	J. M. Tanaka Construction, Inc.
41-OM-20	Waimanalo Effluent Wells, Waimanalo, Oahu	53,75.50	10- 2-67	5-20-68	Roscoe Moss Co.
1-OL-17	Shafter Flats Industrial Development Unit II, Honolulu, Oahu	196,508.45	12-26-67	8-23-68*	Alii Constructors, Ltd.
31-HL-19	Realignment of Banyan Drive, Hilo, Hawaii	900,950.10	3-18-68	4-11-69*	Jas W. Glover, Ltd.
WATER PROJECTS					
11-KW-8	Princeville Pipeline, Pumps and Tank, Kauai	12,652.80	7-11-66	7- 6-67	Kauai Machine Works, Ltd.
8-HW-25	12-Inch Pipeline Along Kuakini Highway Kona Water Project, Hawaii	194,668.55	10-17-66	9-29-67	Yamada & Sons, Inc.
3-9W-14	Pumps and Electrical Controls, Molokai Irrigation Project	237,395.37	12- 8-66	8-30-67	Layne International, Inc.
8-HW-23	Pipeline Along Mamalahoa Highway, Keci 2 to Honaunau, Kona Water Project	89,584-11	5-25-67	12-31-67	J. M. Tanaka Construction, Inc.
17-KW-18	Exploratory Drilling of Wailua and Kaulaula Wells, Kauai	38,505.66	6- 5-67	1- 1-68	Roscoe Moss Company
3-9W-18	Mauna Loa Feeder Line, Molokai Irrigation Project	193,261.50	8-18-67	4- 4-68	J. A. Thompson & Son, Inc.
3-9W-17	Hoolehua System-Phase II, Molokai Irrigation Project	423,194.10	8-21-67	8- 5-68*	E. T. Ige Construction, Inc.
8-HW-24	Tank, Pumps and Pipeline, Moeauoa to Honokohau, Kona Water Project	133,931.20	9-11-67	9- 5-68*	J. M. Tanaka Construction, Inc.
46-OW-6	16-inch Waterline Extension at Sand Island Access Road	37,808.00	9-28-67	2-24-68	Walker-Moody Construction Co., Ltd.
8-HW-28	Pipeline and Tanks, Honokohau to Kealakehe, Kona Water Project, Kona, Hawaii	261,929.70	3-18-68	12- 2-68*	J. M. Tanaka Construction, Inc.
48-HW-6	50 M.G. Waikoloa Reservoir, South Kohala, Hawaii	647,790.95	6-17-68	6-16-69*	Yamada & Sons, Inc.
2-HW-11	Lining of 4.5 M.G. Lalamilo Reservoir, Waimea, Hawaii	31,407.45	6-24-68	11-20-68*	Wisdom Industrial Rubber, Inc.
STATE PARKS PROJECTS					
30-KP-12	Concrete, Steel and Pipe, Wailua River State Park, Kauai	22,931.75	1-21-66	12 - 67	Hale Kauai, Ltd.
57-HP-7	Wailoa Visitor Orientation Facilities Wailoa River State Park, Hilo, Hawaii	299,915.00	6-19-67	2-15-68	S. K. Oda, Ltd.
36-MP-4	Docking Facilities, Lahaina Historical Restoration, Lahaina, Maui	22,616.00	9-18-67	12- 6-67	E. T. Ige Construction, Inc.
21-OP-5	Roadway, Waterline & Buildings, Keaiwa Heiau State Park, Aiea, Oahu	145,746.50	10-23-67	10- 7-68*	Hercules Construction Co., Ltd.
57-HP-8	Footbridge For Wailoa River State Park, Hilo, Hawaii	55,447.50	5-20-68	10-11-68*	S. K. Oda, Ltd.
24-KP-12	Asphalt Concrete Paving For Kokee State Park, Kokee, Kauai	35,015.00	6-17-68	7-16-68*	Hawaiian Bitumuls And Paving Co.
FISH AND GAME PROJECTS					
7-L-1	Boat Launching Facilities, Wahiawa Reservoir, Wahiawa, Oahu	30,913.00	5-22-67	8-30-68*	F. T. Opperman, Inc.
JOB CORPS PROJECTS					
59-OJ-3	Construction of Administration, Warehouse and Motor Pool Bldgs., Koko Head, Oahu	120,224.00	5- 1-67	8- 9-67	Harry T. Yanagihara
59-HJ-4	Construction of Classroom Addition At Job Corps Center, Hawaii Volcanoes National Park, Hawaii	48,912.00	4- 5-68	9- 1-68*	Hicks Construction Co., Inc.
FLOOD CONTROL PROJECTS					
28-HF-4	Puukapu Principal Spillway, Puukapu Watershed Project, Hawaii	78,720.65	7- 7-67	4-28-68	Corps Construction, Ltd.
28-M-3	Puukapu Diversion Channel L-6, Puukapu Watershed Project, Hawaii	225,335.00	1-18-68	7-27-68*	Jas. W. Glover

*Contract completion date.

WAIMANALO IRRIGATION SYSTEM—MONTHLY BILLINGS

	Water Sold (Gallons)	Acreage Served	Service Charges	Water Charges	Total Charges
1967					
July	11,037,071	905.208	\$ 2,263.15	\$ 882.99	\$ 3,146.14
August	7,864,985	904.208	2,227.40	629.19	2,856.59
September	15,818,900	904.208	2,260.65	1,265.54	3,526.19
October	8,267,980	904.208	2,260.65	661.43	2,922.08
November	6,775,253	904.208	2,260.65	542.00	2,802.65
December	1,140,083	904.208	2,260.65	91.22	2,351.87
1968					
January	175,235	904.208	2,260.65	14.02	2,274.67
February	188,669	904.208	2,260.65	15.10	2,275.75
March	550,854	904.208	2,260.65	44.09	2,304.74
April	921,423	904.208	2,260.65	73.72	2,334.37
May	11,587,151	904.208	2,260.65	926.96	3,187.61
June	11,089,865	904.208	2,260.65	887.17	3,147.82
Totals	75,417,469	—	\$27,097.05	\$ 6,033.43	\$33,130.48

MOLOKAI IRRIGATION SYSTEM—MONTHLY BILLINGS

1967					
July	61,065,000	3,206	\$ 3,278.60	\$ 4,885.20	\$ 8,163.80
August	77,780,000	3,236	3,157.50	6,222.40	9,379.90
September	73,652,000	3,849	4,327.10	5,892.16	10,219.26
October	55,281,000	4,256	4,559.20	4,422.48	8,980.68
November	16,672,000	4,642	4,984.23	1,333.76	6,317.99
December	18,890,000	4,642	4,572.20	1,511.20	6,083.40
1968					
January	1,859,000	4,654	4,590.90	148.72	4,739.62
February	679,000	4,654	4,559.00	54.32	4,613.32
March	31,000	4,704	4,640.40	2.48	4,642.88
April	1,025,000	4,704	4,640.40	82.00	4,722.40
May	6,153,000	4,786	4,709.80	492.24	5,202.04
June	31,573,000	5,320	5,650.30	2,575.84	8,176.14
Totals	344,660,000	—	\$53,668.63	\$27,572.80	\$81,241.43

LALAMILO IRRIGATION SYSTEM—MONTHLY BILLINGS

1967					
July	11,472,050	194	\$ 436.50	\$ 792.30	\$ 1,228.80
August	15,386,200	195	438.75	1,040.22	1,478.97
September	18,687,480	195	438.75	1,228.91	1,667.66
October	12,110,270	195	438.75	835.35	1,274.10
November	5,483,310	195	438.75	393.68	823.43
December	2,468,260	195	438.75	182.44	621.19
1968					
January	3,994,610	195	438.75	290.01	728.76
February	1,135,980	195	438.75	85.49	524.24
March	2,235,730	195	438.75	167.35	606.10
April	1,030,830	195	438.75	77.84	516.59
May	8,260,130	195	438.75	577.93	1,016.68
June	11,581,120	195	438.75	778.91	1,217.66
Totals	93,845,970	—	\$ 5,262.75	\$ 6,450.43	\$11,713.18

LIST OF PUBLICATIONS

Report R30	"Flood of March 24, 1967, Kihei and Olowalu Areas, Island of Maui"	Circular C43	"Summary of Drilling Log and Pumping Test for Maalaea Well 272, Maalaea, Maui"
Circular C41	"Summary of Drilling Log and Pumping Test for Haena Well 66, Haena, Kauai"	Circular C44	"Summary of Drilling Log and Pumping Test for Waimea Well 26, Waimea, Kauai"
Circular C42	"Summary of Drilling Log and Pumping Test for Hanapepe Well 25-1, Hanapepe, Kauai"	Circular C45	"Preliminary Report on the Water Resources of the Hilo-Puna Area, Hawaii"
		Circular C46	"Preliminary Report on the Water Resources of the Kona Area, Hawaii"