

**1964 - 1966**

# **REPORT**

**DEPARTMENT OF LAND AND NATURAL RESOURCES  
STATE OF HAWAII**

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STATE OF HAWAII**

**1964 - 1966**

**REPORT**

**TO THE GOVERNOR**

**July 1, 1964 to June 30, 1966**  
(inclusive)

**HONOLULU, HAWAII**  
**November 1966**





# **BOARD OF LAND AND NATURAL RESOURCES**

**Jim P. Ferry—Chairman**

**Dr. Nobuichi Masunaga (Kauai), Hiroshi Tanaka (Hawaii), Richard L. Summers (Oahu),  
Tai Sung Yang (Maui), George S. Yamaki (Oahu)**

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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 31, 1966

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

Sir:

We take great pleasure in submitting herewith, the report of the Department of Land and Natural Resources covering the fiscal period commencing July 1, 1964 and ending on June 30, 1966.


There have been no significant changes in the composition of the Board of Land and Natural Resources during the two year period covered by the report. There have been however a number of important changes in the functions and responsibilities of the Department, and most particularly in the administration and management of the public lands of the State.

Throughout the period, the Board, through the various staff and operating divisions of the Department, has vigorously carried out the broad policies established by the Administration in the general areas of conservation, development, and use of the natural resources of the State. We strongly believe that there has been a substantial contribution to the general welfare of the State and its people through these efforts.

We would like particularly to commend the staff and personnel of the Department for the excellent work carried out during the entire two year period, and for the cooperative spirit displayed while pursuing this work. We would also at this time like to bring to your attention the fine cooperative relationships we have enjoyed with Federal, County, and other State agencies, and with private organizations and individuals, and to express our sincere appreciation for their help.

Respectfully submitted,

BOARD OF LAND AND NATURAL RESOURCES

  
JIM P. FERRY  
Chairman and Member

## THE BOARD OF LAND AND NATURAL RESOURCES

"The department of land and natural resources shall be headed by an executive board to be known as the board of land and natural resources. The department shall manage, administer and exercise control over public lands, the water resources and minerals and all other interests therein and exercise such powers of disposition thereof as may be authorized by law. The department shall also manage and administer the state parks, historical sites, forest, fish and game reserves of the State, and forest reserve and any other functions assigned to it by law."

"Except as otherwise provided by law, the board shall have the powers and functions granted to the heads of departments and the board of land and natural resources under Chapter 14A . . .

In addition to the foregoing, the board may: . . .

(h) delegate to the chairman or employees of the department, subject to the board's control and responsibility, such powers and duties as may be lawful or proper for the performance of the functions vested in the board . . ."

From Chapter 103A, Revised Laws  
of Hawaii 1955, as amended.

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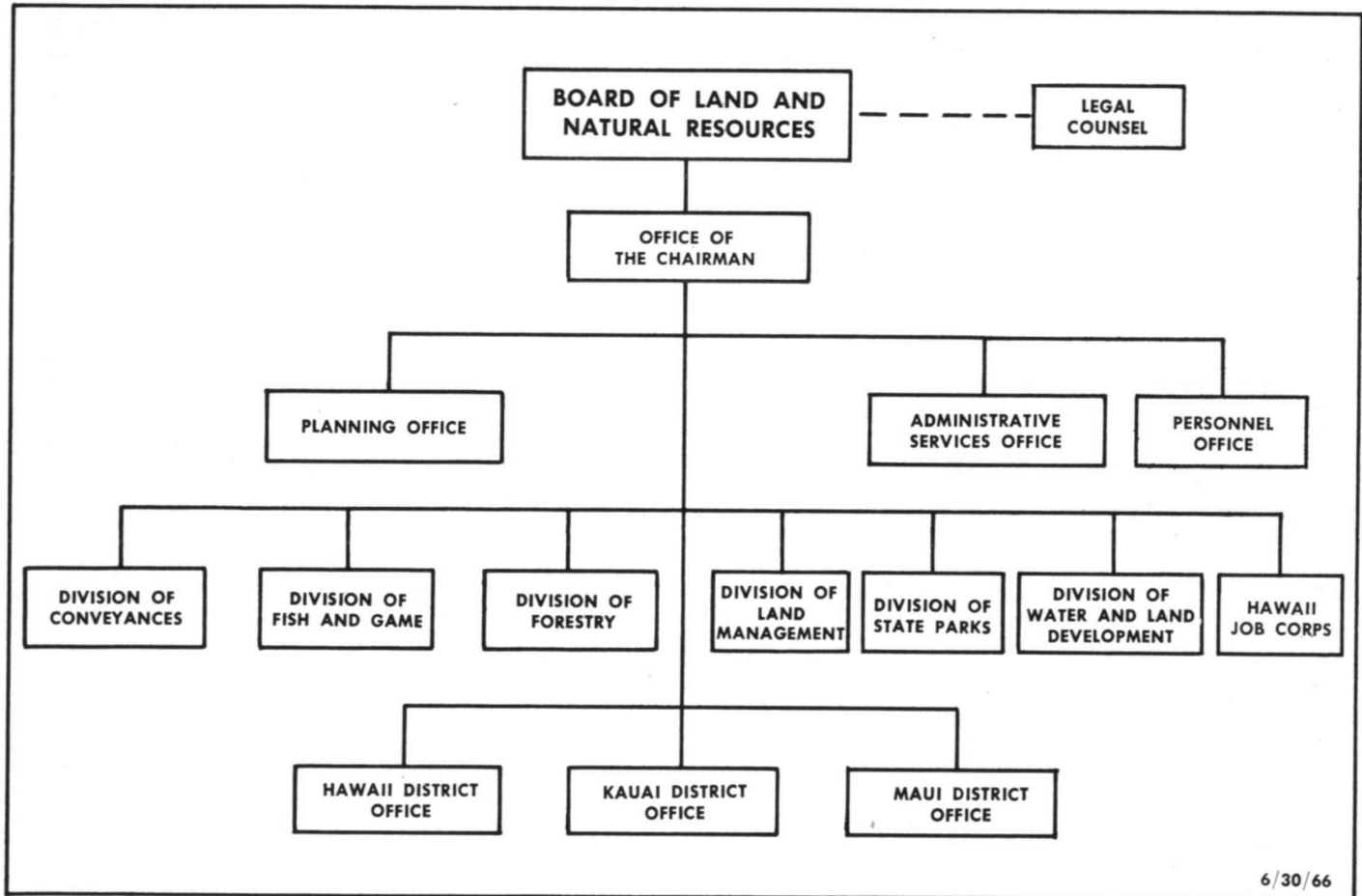
### MEMBERS OF THE BOARD

		<i>Appointed</i>
Mr. Jim P. Ferry, CHAIRMAN	Member-at-Large	10/16/63
Mr. Richard L. Summers	Member-at-Large	5/ 9/63
Mr. Hiroshi Tanaka	Hawaii Member	5/ 9/63
Mr. Tai Sung Yang	Maui Member	5/ 9/63
Dr. Nobuichi Masunaga	Kauai Member	1/ 1/64
Mr. George Yamaki	Oahu Member	1/ 9/63

SECTION 1  
**OFFICE OF THE CHAIRMAN**

Jim P. Ferry, Chairman  
Sunao Kido, Deputy

**ORGANIZATION CHART**  
**DEPARTMENT OF LAND AND NATURAL RESOURCES**



The principal functions of the Department of Land and Natural Resources are control, administration, management, and protection of the natural resources of the State. These broad administrative and operational functions are carried out through three Staff Offices and seven Operating Divisions within the Department. Policy guidance and administrative control of the functions and activities of the various Offices and Divisions are provided by the executive Board of Land and Natural Resources, and by the Chairman of the Board.

The Board of Land and Natural Resources is composed of six members appointed by the Governor of Hawaii with the advice and consent of the State Senate. One member is appointed from each of the four Land Districts of the State, and two members are appointed at large. The normal

term of office of the members is four years, and no member may serve for more than two consecutive terms or for more than eight consecutive years.

The Chairman is appointed by the Governor from among the members of the board. He serves as the representative of the Board to the Office of the Governor and the State Legislature, and also serves as the full-time Executive Officer of the Department. Together with such specific powers and authority as may be established by law, he is further authorized under statute to carry out such duties and to exercise such power and authority as may be delegated to him by the Board.

There were no major statutory or administrative changes during the period which directly affected

either the composition or the functions of the Board. Membership on the Board remained unchanged from the previous report. There were however, a number of legislative changes which substantially affect the responsibilities and functions of some of the operating Divisions within the Department. These changes will be more specifically covered in the sections of this report which deal with the functions and activities of the individual Divisions concerned.

The Chairman and members of the Board have continued to place strong emphasis on programs for development of the resources of the State, and this major policy decision is reflected in the numerous and varied development projects either initiated or in progress during the biennium.

State land projects initiated or in progress during the period include development of Farmlot Subdivisions at Waimanalo, Oahu, Panaewa Hawaii, and Hoolehua Molokai; residential subdivisions were established at Diamond Head, Honolulu, Oahu, and at University Heights in Hilo, Hawaii, and many lots sold. Major resort hotel developments were established through the lease of suitable sites at Wailua, Kauai and in Hilo, Hawaii.

Development of adequate supplies of water is crucial to the economic development of this island State, and the interest of the Board in this aspect is reflected in the fact that no less than three major water development projects were either in final planning stages or in construction phases during the period. These projects include the Molokai Irrigation System, major expansion of the Waimea Hawaii water system, and the Kokee Water Project on Kauai. Cooperative action is being undertaken with Federal and County agencies towards long-range planning for development of water supplies in the State.

The rapid increase in urban population and the equally rapid increase in leisure time, in Hawaii as in the United States as a whole, has engendered a need for expansion and improvement of outdoor recreation and parks facilities. With the urging of the Board, a greatly expanded program for development of State Parks has been created, with active projects ongoing in areas such as Wailoa, Hawaii; Wailua, Kauai; and Waianapanapa, Maui. A major project within this program has been that for acquisition and development of Kahana Valley on Oahu as a regional State park.

Administration and management of State lands have been improved through the establishment of Regulations controlling the development of facilities within Conservation Districts in the State, and by establishment of a uniform pattern of sugarcane lease rentals on State lands. Development of the commercial timber potential in the State, and establishment of a major timber industry have been furthered by sale of a lease for commercial production of timber on State lands on the Island of Hawaii.

Initial steps have been taken to establish the Food Distribution Center at Fort Armstrong in Honolulu. This project covers the development of a specialized industrial park devoted to the storage, handling and distribution of foods at wholesale. This project is expected to greatly improve the marketing structure of the food industry in Hawaii, and also to improve the marketing of locally produced farm products.

The Board recognizes the importance of the military, scientific and academic communities to the economy of the State through providing suitable sites for scientific and communications and related projects. Project sites made available include astrophysical and astronomical research sites at Haleakala and at Mauna Kea, oceanographic and biomedical sites at Kewalo and at Sand Island, the Hilo Cloud Study Project, and numerous military and communications project locations throughout the State.

Close staff support is provided the Board and the Office of the Chairman from the Administrative Services Office, Planning Office, and the Personnel Office of the Department. Operational directives from the Chairman are carried out through any of the seven operating Divisions.

## **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 provides also close staff support for the Chairman and the Board of Land and Natural Resources. The staff of the office performs various support, control, and advisory functions for the most efficient operations of the Department.

Primary functions carried out include such critical operations as centralized purchasing, receipt and accounting for funds, budget preparations, expenditure control, maintaining accounts and records, and fiscal reporting.

The Administrative Services Officer and his staff prepare detailed analyses and recommendations, and advise the Chairman and the Board on problems of fiscal management and control for the Department.

During the period under report, Mr. Henry Lau transferred from Administrative Services Officer to Personnel Officer and Mr. Adelino Coito was appointed to head this unit on March 1, 1964.

Personnel functions, previously carried in this office, were separated as of March 1, 1964, and a Personnel Officer established for the Department.

The Office carried out its functions with a total staff of ten persons during the period of report.



## **Planning Office**

**PAUL T. TAJIMA**

**Program Planning Coordinator**

The principal functions of the Planning Office are to provide basic staff support to the Chairman and the Board of Land and Natural Resources, and to perform comprehensive central planning for the Department in close collaboration with the operating Divisions. The Office also provides guidance to the operating Divisions in the formulation and planning of their programs and major projects.

The Office prepares recommendations covering the objectives, policies, and broad programs necessary to fulfill the Department's role within the State government, and provides a systematic evaluation of the accomplishments and effectiveness of such programs. The staff conducts studies on the economic feasibility and other critical factors of land development projects, establishes development concepts and design criteria, and proposes alternative solutions to development problems. The staff also conducts studies of land use and land values, reviews appraisal reports, and coordinates land use and appraisal studies with other public and private agencies and organizations.

The Planning Office prepares public information releases and other reports relating to the activities of the Department, and also maintains a central working library of books, publications, and other published materials relating to natural resource and development programs of the State.

Act 187, the Land Use Law, modified by Act 205, places 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 on August 24, 1964. Subsequently, Regulation No. 4, Department of Land and Natural Resources, providing for land use regulations within the Conservation Districts was adopted by the Board on October 5, 1964. The Planning Office coordinates the administration and implementation of the Regulation with Federal, State, and County agencies, other public and private organizations, and with the operating Divisions of the Department. The Office processed a total of thirty-nine applications for development within Conservation Districts during the biennium, of which twenty-five have received Board approval, two have been disapproved, seven have been determined as non-conforming uses, and five are pending or have been cancelled.

The Planning Office was deeply involved in standardization of sugar cane lease rentals on State lands so as to insure a fair return to the State as well as to provide equitable rental treatment to individual lessees as well as to the sugar industry as a whole. This standard sugar cane

leasing concept is based on productivity of the lands involved while at the same time giving due consideration to costs attributable to agricultural operations. The rental base is expressed as "a percentage of gross proceeds" with a fixed minimum. During the report period, four sugar leases were analyzed and established on the new basis, while six additional leases are under review.

The Planning Office was involved in a wide variety of projects such as the Kahana Valley State Park acquisition, preservation of Diamond Head, development of the Waiakea Plan on Hawaii, and the Kapaa Industrial Lots on Kauai.

The Planning Office operated during the biennium with a total permanent staff of five persons.

## **Personnel Office**

**EDWARD MASHIMA**

**Personnel Officer**

The Personnel Office maintains a comprehensive personnel program for the entire Department, and provides services for review of management and operational problems. The staff provides advice and assistance to the operating Divisions in specialized areas such as employee classification, employee relations, and employee training and development; maintains a centralized system for processing, recording, reporting and filing personnel transactions and payroll records; conducts studies of organization, manpower requirements, and management methods and procedures; and, prepares recommendations on policies and procedures for personnel and management control.

The Personnel Office was established as a separate unit within the Department in 1964. The functions of this Office had previously been carried out within the Administrative Services Office. Mr. Henry Lau, appointed Personnel Officer, resigned in December 1964, and was succeeded by Mr. Edward Mashima.

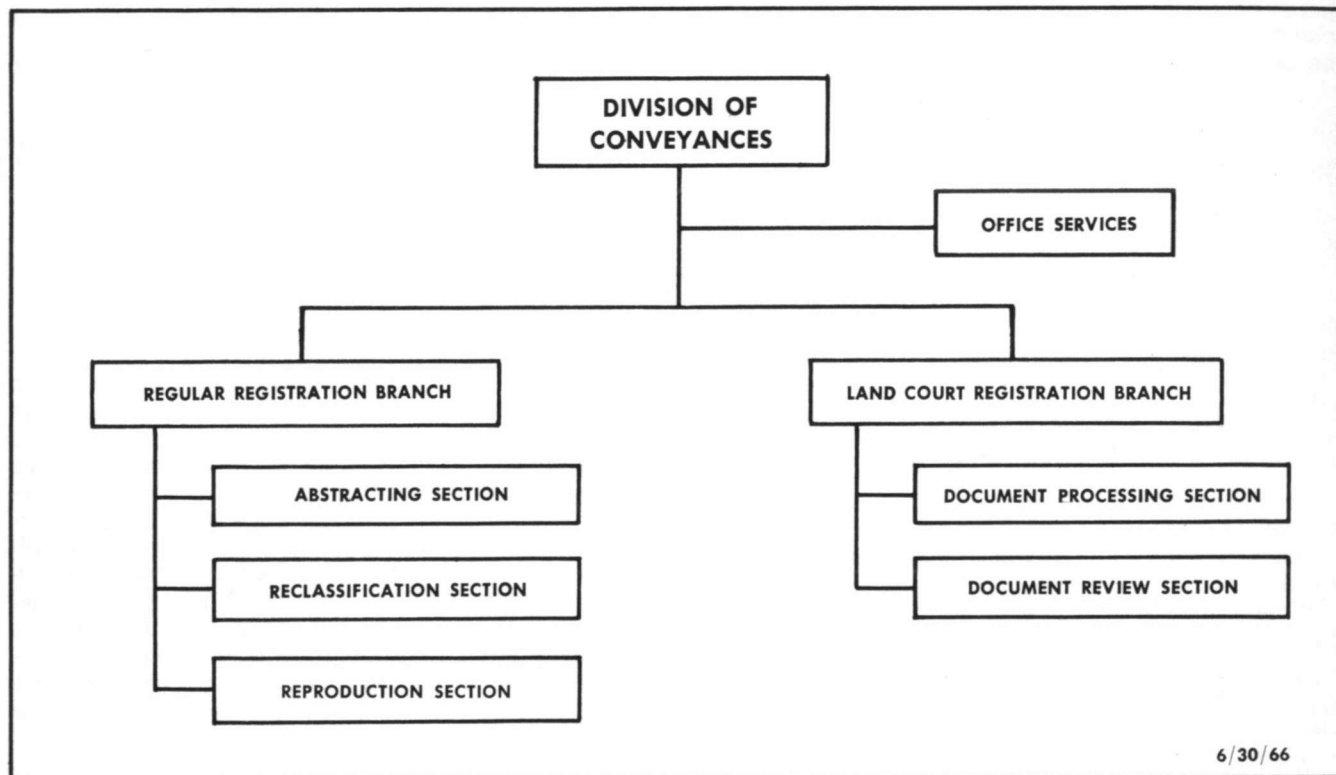
A permanent staff of two persons provides support to the seven operating Divisions. Occasional temporary help is provided for periods of unusually heavy workload in personnel matters. As of June 1966, there were 387 full-time employees in the Department, including 48 at Hawaii Job Corps Center, compared to 339 in 1964. These employees perform in 138 different work classes within the Department, excepting the 48 Hawaii Job Corps Center employees, who are exempt from the State of Hawaii Classification Plan. During the summer period 1965 the employment of over 200 Neighborhood Youth Corps enrollees and over 180 high school and college students was processed. During fiscal year 1965-66 the Neighborhood Youth Corps program continued with as many as 100 enrollees.

## 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 matters of 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 Registrations and Land Court Registrations.

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 or-

derly reference to all of the records held within the Division, and with preparation and issuance certified copies of any matter on record.

The Land Court Registration Branch, which acts under statute as an agent of the State Land Court, has the direct responsibility for filing, indexing, and processing legal instruments, orders and maps on real property and condominium within the State. The Branch prepares and issues certificates of title certifying ownership and outstanding encumbrances affecting property. Here also rests a 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

Legislative actions which have or will have significant effect on the responsibilities and functions of the Division include Act 10, Act 18, Act 26, and Act 33 of the 1966 Session of the State Legislature.

In the past, many specific procedures of the Division of Conveyances were established by statute, and could be changed only through passage of specific legislation. Act 26/1966 authorizes the Board of Land and Natural Resources to approve changes in the format of indexes to make them compatible with Electronic Data Processing, and also authorizes the Division to produce literal copies of documents by electrostatic processes.

Past procedures had required that documents submitted for recordation be held within the Division until the recordation process was completed, and had also required maintenance of twelve separate indices for specific kinds of documents and instruments. Act 33/1966 authorizes the Division to record all instruments and to return them to the party presenting same. The Division is also authorized to establish a single general index for all documents. These changes in procedures will result in greater efficiency and economy, and in improved service to the public.

Act 10/1966 imposes a conveyance tax (effective January 1, 1967), on all deeds and other land transfer instruments conveyed in the State. This tax will be collected by the Division of Conveyances for the State Department of Taxation at the time documents are submitted for recordation, and the funds transferred to the Tax Department.

Act 18/1966, the Uniform Commercial Code, revises the State laws governing secured transactions in personal property, effective January 1, 1967. The Division is presently working with representatives of the Office of the Attorney General to develop and adopt standard forms which will meet requirements of the new statutes.

## **MICROFILMING**

All documents submitted for recordation in the Regular Registration Branch are microfilmed by use of a Recordak Planetary Microfilm Camera. Each document is assigned liber and page numbers. Reduced size visual prints are made on a Brunning Copytron 2000R machine from the microfilm and placed in their respective places in the libers. A duplicate of each roll of microfilm is made and the original films are deposited with the State Archives for security.

As time and manpower are available, all the old libers accumulated prior to acquisition of the Microfilm equipment are being filmed. To date, the first six hundred libers of a total of 5300 have been processed.

Although all records are not as yet on film, the recent acquisition of a Recordak Reader Printer allows the Division to make copies of those records that are on film in a matter of minutes and at a very much reduced cost, and with significant improvement in service to the public.

## **ELECTRONIC DATA PROCESSING (EDP)**

The Department of Land and Natural Resources is one of four State agencies expected to utilize the services of Computer Center Number Three of

the Statewide Information System. This Electronic Data Processing Center is expected to be operational within the next year. The Division of Conveyances is the first of the operating Divisions within the Department scheduled to install EDP for storage and management of data for major programs.

To this end, the practical and economic feasibility of the use of EDP within the Division was reviewed early in the biennium, and since that time the operating procedures and file and record systems of the Division have been under study by systems analysts. Preliminary procedures and format have been established for data processing under the new system, and the information and data for the proposed system have been forwarded to higher authority for review.

## **LAND COURT PROCEDURES**

The functional accomplishments and working standards for the staff positions established within the Division of Conveyances by the State Land Court were reviewed under the guidance of the Department Personnel Officer. The information derived from the study was utilized for justification of manpower requirements and for standardizing of job descriptions within the Division.

A review was completed on the problems of processing and filing Land Court Maps. Recommendations for standardization of these maps, and particularly on the acceptable size of such maps, were prepared and forwarded to the Land Court.

## **RECORDERS PROCEDURE MANUAL**

Final drafts were completed in the preparation of a Recorders Procedure Manual, which provides detailed information and instructions relating to the types of material acceptable for recordation and the specific procedures for recordation of such materials. This draft is ready for submission to the Office of the Chairman for review and approval.

## **WORKLOAD**

The workload of the Division continued to increase slowly during the biennium. A total of 77,011 documents were processed in 1966 as against 76,033 in 1965. The increase in workload was handled without an increase in the staffing of the Division. Statistical details of the operations of the Division of Conveyances are shown in the Appendix.

The Division, although authorized a total of 40 positions, and budgeted for that level of staffing, operated throughout the period with an average staffing of 32.5 persons. The shortage in effective staffing was caused by sick and vacation leave, maternity leave, and by unforeseen delays in replacement of departing employees.

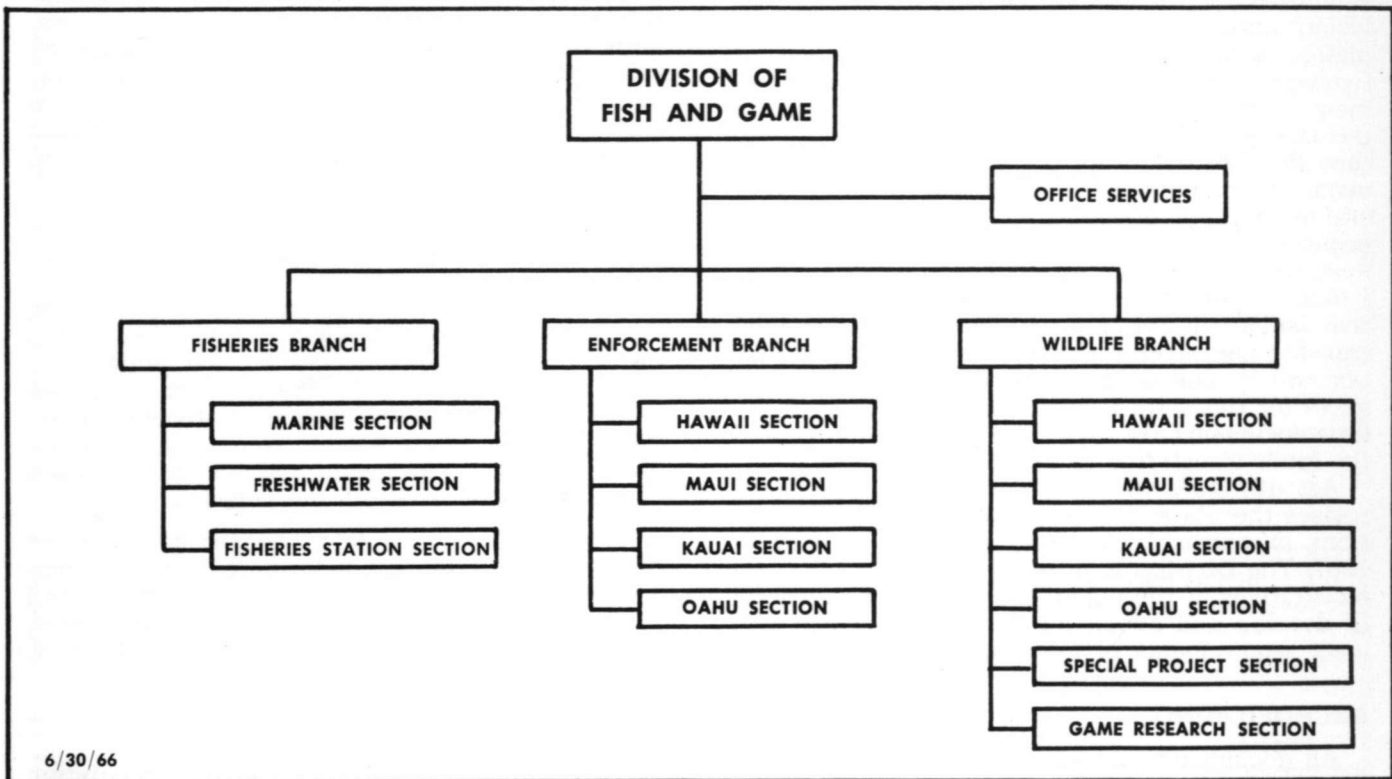


### SECTION 3

## DIVISION OF FISH AND GAME

MICHIO TAKATA, State Fish and Game Conservationist

### ORGANIZATION CHART—DIVISION OF FISH AND GAME



6/30/66

The principal role of the Division of Fish and Game within the State may be broadly stated as the effective development and management of the wildlife of the State, both terrestrial and aquatic, to best serve the public interest. In carrying out this basic function, the major efforts of the staff of the Division are directed toward conducting investigations leading to improved game and fish populations; expanding public hunting and fishing areas and facilities; regulating the harvest of game and fish to assure maximum sustained yield; protecting and promoting the perpetuation of non-game species of wildlife for their economic, esthetic, scientific and cultural values; and, controlling pestiferous and damaging species.

The Division carries out its functional responsibilities through three operating branches for Fisheries, Enforcement, and Wildlife, which receive close administrative support from the staff Office Services section. Administrative direction and coordination for the entire Division are provided by the State Fish and Game Conservationist.

A major functional change was effected in 1965, which changed one of the sections within the Fisheries Branch. The Bait Station section, which had been engaged in the production of baitfish for sale to the commercial tuna fishing industry, was administratively eliminated, and fish tanks, other equipment, and the personnel re-established as the Fisheries Station section. This new section is concerned primarily with the introduction, rearing, and establishment of desirable commercial fish and shellfish, and gamefish species into the State.

### LEGISLATION

A number of legislative actions adopted during the biennium have had significant effect on the functions and responsibilities of the Division.

House Resolution 157 of the 1965 Legislative Session directed the Division with the Department of Planning and Economic Development, and the U. S. Bureau of Commercial Fisheries, to promote and conduct a Pacific Area Fisheries Conference. This directive was carried out, and the Conference

was held in the State during February and March of 1966.

Act 193 of the 1965 Session established a Hawaiian Fisheries New Vessel Construction Loan Program, and the related Revolving Loan Fund, which are to be administered by the Department. Action is being taken to effectuate the intent of this legislation.

Act 203 of the 1965 Session established an appropriation for the introduction of beautiful or beneficial non-game birds into the State. Studies have been initiated to determine desirable species for introduction under this Act.

House Concurrent Resolution 11 of the 1966 Legislative Session directed the Division of Fish and Game, in conjunction with the Hawaii Institute of Marine Biology, to conduct studies which would lead toward improved methods of holding Nehu and increasing the efficiency of its use as bait for the commercial aku fishing industry. The Institute is conducting initial studies into the subject, with fiscal support from the Division.

## **Administration**

### **OFFICE SERVICES**

The major functions performed by the Office Services staff during the biennium were to provide administrative support to the Fish and Game Conservationist and to the three operating branches to facilitate their achievement of program objectives. This support consisted of general administrative and clerical assistance, budgeting, purchasing, maintaining property inventory, coordinating Federal-Aid projects, issuing licenses and permits, and disseminating hunting and fishing information via the telephone and over the counter.

### **FEDERAL-AID COORDINATION**

The Fish and Wildlife Management Coordination Project (FW-1-C), financed to the extent of 55 percent by Pittman-Robertson Federal Aid in Wildlife Restoration Fund and 45 percent by Dingell-Johnson Federal Aid in Fish Restoration Fund, provides the means of coordinating and administering the Division's five fish and wildlife Federal-Aid projects.

The total revenue derived by the Division from the foregoing Federal Aid funds amounted to \$279,362.83 during the biennium. Other Federal grants, such as for the Nene Restoration Project, the management of the Hawaiian Islands National Wildlife Refuge, and the Commercial Fisheries Research and Development Program amounted to \$31,937.46 during the same period.

### **LICENSES AND PERMITS**

The total revenue collected from various sources other than Federal funds amounted to a total of \$139,639.00 for the fiscal biennium, a substantial

increase over the previous period. The commercial fishing, hunting, and freshwater game fishing licenses showed a decline in total number sold for both years included in the reporting period. However, the revenues derived from sale of hunting and freshwater fishing licenses showed a substantial increase for 1966 due to a 50% increase in these license fees which went into effect on July 1, 1965.

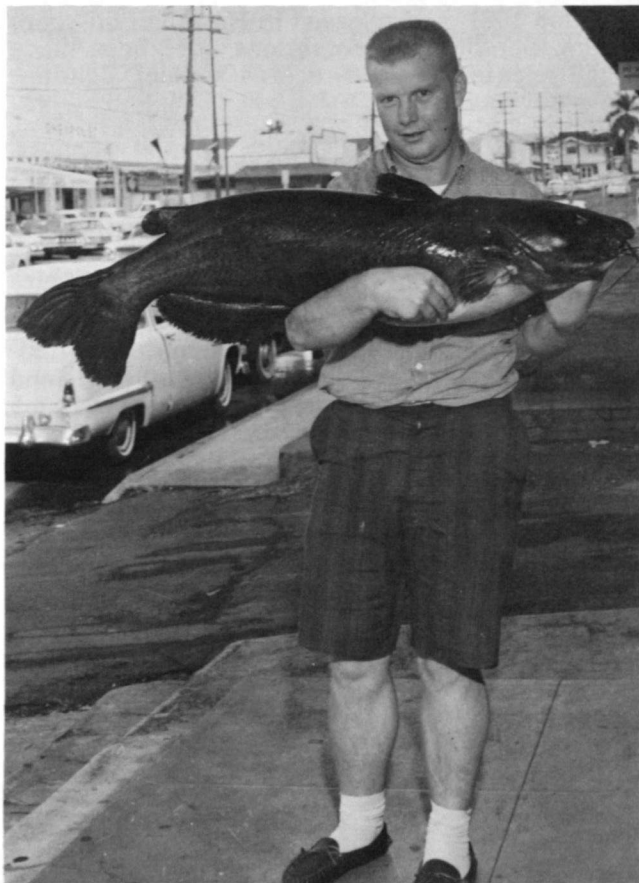
## **Fisheries Branch**

The primary functions of the Fisheries Branch are related to the introduction and stocking of desirable species of commercial and game fish and shellfish within the State; the development and management of public freshwater fishing areas; management of saltwater fishing areas; and, the conduct of varied research projects and studies on fisheries and fish species. The Branch also maintains records of commercial fish landings at the various ports of the State.

### **FISHERIES INTRODUCTIONS**

An active program for introduction and stocking of desirable fish and shell fish species was continued throughout the entire period. Large numbers of channel catfish sac-fry were imported from areas in the mainland United States, reared to suitable size, and released in suitable areas in the State. Large numbers of rainbow trout eggs were also imported from the U. S. Mainland for rearing and release.

**Forty-two pound Channel Catfish caught in the Wahiawa Public Fishing Area on October 15, 1965.**





Tucunare collected from the Kipu, Kauai Broodsite in 1965 for stocking of various waters.

The first positive evidence was obtained of the successful spawning of the channel catfish in island waters. This species may eventually become completely self-propagating in the State.

The tucunare, a highly regarded game fish initially introduced from South America, was collected in fair numbers from a brood pond on Kauai, and introduced in the Wailua and Wahiawa Public Fishing Areas. In the latter area, the species has reproduced, and is now well established. It is likely that an open season will soon be declared for this species.

Approximately 16,000 exotic marine fishes belonging to twelve different species of shallow water snappers and groupers were imported between 1956 and 1961, and released in Hawaiian off-shore waters. Continuing observations have been made at the release sites and records kept of sightings and recoveries.

The occurrence of juveniles of the snapper, *Lutjanus vaigiensis* for the fifth successive year and the numerous reports of sightings and recoveries lend increasing support to the belief that this species is well established in Hawaii. The advisability of permitting sports fishing for this species is being investigated.

Two blue-lined snappers, *L. kasmira*, approximately four inches long, were sighted off the Island of Oahu and one roi, *Cephalopholis argus*, 4.5 inches long was recovered off the Island of Hawaii. The presence of these juveniles indicates the successful spawning of these exotic species. Sightings and recoveries of adults of these two species were also reported during the period, further suggesting the possibility of successful establishment.

## LIMNOLOGICAL SURVEYS

Limnological surveys were conducted on a total of twenty-four streams on the Island of Kauai,

completing this research phase for that island. Seventeen of these streams were rated very highly for potential development of public fishing areas. The others were rated low due to small size, lack of forage organisms, or because of intermittent stream flow. A total of forty-one streams has been surveyed on the Island.

## PUBLIC FISHING AREAS

Fisherman checking stations maintained at the public fishing areas during the open seasons show increasing usage of these areas by the public. Sites have been acquired, and engineering plans completed for development of a public access road, parking area, and a boat ramp and dock for the Wahiawa Public Fishing Area. This facility will greatly improve the accessibility of this important fishing area to the public.

## FOREIGN COOPERATION

Two aquatic biologists from the staff were dispatched to the Far East during September 1964 to support Federal and allied projects. The primary purposes of this trip were (1) to give technical assistance to the U. S. Eighth Army Headquarters and to the Republic of Korea government in the planning of facilities and operational procedures for a fish introduction and culturing project; and (2) to conduct limnological surveys of selected freshwater impoundments in the Ryukyu Islands to gauge their potential for food and recreational fishing developments, and to recommend subsequent action programs. The first activity was supported by the U. S. Army Pacific and the second was supported by the U. S. Civil Administration of the Ryukyu Islands and by the Bureau of Docks (Pacific), U. S. Navy.

## MARINE FISHERIES MANAGEMENT

The artificial shoal off the Waianae coast on the Island of Oahu was further extended by the



Limnological surveyors sampling a stream for forage organisms such as insect larvae, small fish and aquatic invertebrates.



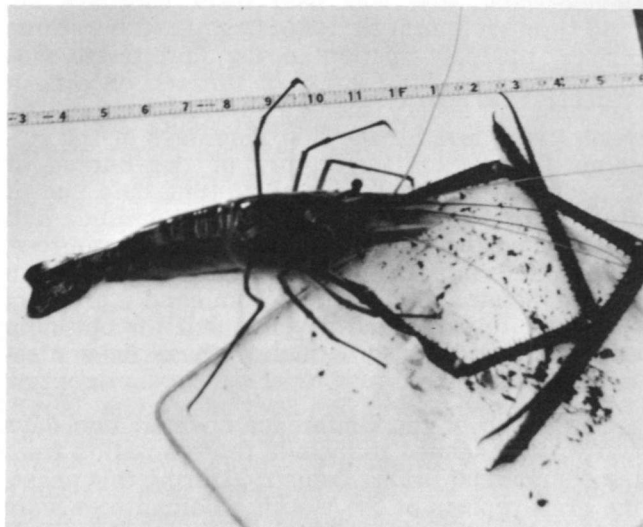
addition in 1965 of 1200 tons of damaged concrete pipes and conduits and in 1966 of an additional 1000 tons. The shoal now contains a total of 2500 tons of pipe and 95 automobile bodies. Periodic fish counts and observations were made at this Waianae shoal, and at the two other artificial shoals at Maunalua Bay, Oahu and Keawakapu, Maui. Greatly increased fish populations were noted at all shoals. However, the fish counts varied considerably during a year. Fluctuations in the estimated standing crop of fish at Waianae have ranged from 491 to 2981 pounds per acre. The Maunalua area has shown equally large variations from 528 to 1403 pounds per acre. These variations appear to be associated with movements of kala, *Naso hexacanthus*; uku, *Aprion virescens*; and other wandering schooling species into and out of the shoals.

A 300 yard permanent transect line was placed in the section of the Waianae Artificial Shoal containing the last addition of concrete pipes. The initial transect along this line revealed a sparse standing crop of fishes estimated at 48 pounds per acre. Subsequent transects revealed fish densities as high as 1288 pounds per acre. Six permanent photo stations were established on the transect line. Periodic monitoring of these stations will offer further refinements to the methods presently utilized for recording ecological changes that may be occurring within the artificial shoals.

Marine fish and shellfish management investigations continued with a number of active projects carried on or initiated during the period of report. Tagging programs for the moi, *Polydactylus sexfilis*, akule, *Trachurops crumenophthalmus*, and the Kona crab, *Ranina serrata*, were conducted with considerable success. Initial data on the growth and movement of these three marine species are being accumulated. The tagging program will be continued as one of the major tools available for this type of study.

Intensive investigation was conducted on the oyster, *Crassostrea virginica*, in Pearl Harbor, Oahu, including studies on the growth, condition (fatness) and reproductive cycles of the desirable shellfish. Extensive experiments were carried out to determine the best artificial cultch material for collection of spat.

Approximately 10,700 pounds of live oysters were collected from the beds in Pearl Harbor, and transplanted in ancient fishponds at the Island of Molokai. These oysters serve as brood stock, and are also sampled periodically for growth and condition index data. Initial results of these plantings indicate that growth and condition of oysters in some fishponds may be significantly superior to that of oysters in Pearl Harbor. Comparative production between suspended culture and bottom culture is currently under study. Initial indications suggest that the suspended culture is superior. Agreements have been negotiated to transplant



**Giant Long-legged Prawn, *Macrobrachium rosenbergi*.** A technique for mass culture of these prawns on a commercial scale is being developed at the Keehi Fishery Station, Oahu.

oysters into private fishponds in the Kapoho area on the Island of Hawaii.

An extensive population of clams, *Venerupis philippinarum*, was discovered in Kaneohe Bay, Oahu, which provided recreational fishing to an estimated 10,000 clam diggers during the 1965 season. In order to extend the distribution of this desirable shellfish into other potential growing areas, approximately 1,500,000 seed clams were transferred from the original Kaneohe beds to other areas in Kaneohe Bay, and to Pearl Harbor, Keehi Lagoon, and Maunalua Bay on the Island of Oahu.

Major activity at the Keehi Fisheries Station (formerly the Honolulu Bait Station) was phased from production of tilapia live bait for the commercial fishing industry to the culture and rearing of other aquatic organisms. The demand for the bait fish was reduced to ineffective levels by the lack of interest of commercial fishermen, particularly aku fishermen, in using this live bait.

Among the new projects undertaken by the Fisheries Station is the culture of the giant long-legged prawn, *Macrobrachium rosenbergi*. The primary purpose of this investigation is to develop mass-culture techniques which may lead to the establishment of a commercial prawn raising industry in the State.

## GOVERNOR'S CONFERENCE ON CENTRAL PACIFIC FISHERY RESOURCES

The Conference on Central Pacific Fishery Resources was co-sponsored by the Department of Land and Natural Resources, the Department of Planning and Economic Development, the Hawaii Area Office of the Bureau of Commercial Fisheries, and the Hawaii County Department of Economic

Development, and was held from February 28, 1966 through March 12, 1966. Organized into three phases, the participation in the first phase was limited to a working group of thirteen experts in the field of fishery biology and population dynamics who met for the first nine days at the Honolulu Biological Laboratory of the Bureau of Commercial Fisheries to analyze tuna data and to draft reports on (1) the estimated magnitude and potential yield of the Central Pacific tuna resources, (2) the determination of resource location within the Pacific area, and, (3) to recommend a program of fishery research and development for optimum utilization and conservation of these fishery resources.

Phase two of the conference covered two days and was broadened to include representation from the commercial fishing industry. During this phase, the draft reports of the working committees were reviewed and consolidated into a complete final report. Phase three, the final day of the conference, consisted of a panel discussion summing up the conclusions of the conference to which the general public was invited.

Mr. John C. Marr, Hawaii Area Director, Bureau of Commercial Fisheries, and Mr. Michio Takata, Director of this Division, were co-chairmen of the conference.

## COMMERCIAL FISH LANDINGS

Commercial landings of fish and shellfish in the State for the period 1964-1965 showed a substantial increase over that of the previous year. This increased production in one year was followed by a moderate decrease in total landings and value in the 1965-1966 period.

The total landings for the 1964-65 period were 17.2 million pounds valued at \$3.4 million to the fishermen. This total, compared with the previous period, showed an increase in fish landings of 5.1 million pounds (42.1%). The increased production was due primarily to the aku (*Katsuwonus pelamis*) fishery which alone showed increased landings of 5.0 million pounds. Other important species reflecting increased landings during this period were the yellowfin tuna (*Neothunnus macropterus*) up 67,000 pounds, striped marlin (*Makaira audax*) up 121,000 pounds, and akule (*Trachuroops crumenophthalmus*) up 105,000 pounds. Decreased landings were shown by the kawakawa (*Euthynnus yaito*) down 49,000 pounds, and opelu (*Decapterus pinnulatus*) down 136,000 pounds.

Total landings for the 1965-1966 period were moderately reduced, with a total weight of 16.0 million pounds, valued at \$3.3 million to the fishermen. This drop in the total landings was due primarily to a reduction of almost one million pounds in the aku fishery. Other important species showing decreased landings were the bigeye tuna (*Parathunnus sibi*) down 57,000 pounds, striped marlin down 255,000 pounds, and opelu down

55,000 pounds. A species which showed substantial increase in landings during this period was the akule, which increased 371,000 pounds or 152%.

The Island of Oahu led the other islands in landings, with 14.3 million pounds in 1964-65 and 12.1 million in 1965-66. The Island of Hawaii was next, with 1.9 million and 2.6 million pounds respectively, followed by the Island of Maui with 785,000 and 1.0 million pounds. The remainder of the catch was landed at ports on the Islands of Kauai, Molokai, and Lanai.

## Wildlife Branch

The major activities of the Wildlife Branch continue to be related to the development and maintenance of public hunting areas for game bird and mammal hunting throughout the State, the management of game populations to provide sportsmen with good hunting opportunities consistent with the capacity of the hunting areas to produce game crops on a sound sustained yield basis, the improvement of the game resources through introduction and stocking of desirable gamebirds and mammals, and the preservation of economically or esthetically valuable wildlife species.

## MANAGEMENT OF PUBLIC HUNTING AREAS

Twenty game management areas and four special shooting areas, totaling more than 522,000 acres, were managed for public hunting during the period. These areas, which range in size from five acres to more than 186,000 acres, are located throughout the major islands of the State including the Island of Lanai which is almost entirely privately owned. Public shooting grounds generally include State lands which, because of outstanding capabilities for providing recreational hunting, have been given special status as game management areas, and privately owned lands on which the State has acquired game management rights through cooperative agreements with the owners. A third class of hunting areas are those on lands controlled by other government agencies, but on which the wildlife is managed by the Division of Fish and Game by agreement.

There was substantially increased hunter activity in the public hunting areas compared to previous periods. This seems to reflect both an increase in the public interest in recreational hunting, and improved access and management of the hunting areas.

There was a significant increase in game mammal kill during the period, and a moderate decrease in the gamebird harvest. The increased mammal take is attributed to liberalization of restrictions on the goat and deer seasons on the Island of Lanai as well as to special open seasons provided for both goats and deer in addition to the regular sea-

sons. The special open seasons were held to reduce the herds which had increased to the point where damage was occurring to forested and cultivated areas.

There was a reduction in the reported sheep kill on Mauna Kea on the Island of Hawaii, due apparently to a scarcity of mature rams in accessible areas, and to elimination of the requirement for guided hunting. The 1965 season was the first in which mammal hunters were permitted to hunt on Mauna Kea without qualified guides. The reduction in sheep kill on Mauna Kea was in part compensated by the opening of mouflon hunting on the Island of Lanai for the first time in 1965, and again in 1966.

As noted, the gamebird seasons were somewhat less successful than in the previous period of report. However, there were some bright spots, such as the opening of hunting on the black francolin (a partridge-type bird), the Chinese bamboo partridge, and on the Gambel's quail, and the excellent dove hunting on the Island of Oahu. Public hunting for dove on Oahu received a tremendous boost when "shooting stake" operations were initiated in the Iroquois Point area. This area, which is under the control of the U. S. Navy was managed for public hunting by the Division under an agreement with the Navy.

Excellent dove hunting was noted in the Puako area of the Island of Hawaii in the 1964-65 season. Unfortunately, this productive area was lost to public hunting through termination of the management agreement prior to the 1965-66 season. The area is now controlled by private interests.



Indian Grey Francolin. This fine gamebird has adapted very well to Hawaiian conditions. The first hunting season for "Greys" was opened on Lanai during the 1965 period.

In addition to conducting hunting seasons on the more intensively managed public shooting areas, the Division of Fish and Game assumed the responsibility for administration of a program of regulated game mammal hunting on all State-owned forest reserves. Prior to July 1, 1964, the Division of Forestry administered mammal hunting within these areas which are located on all inhabited islands, with the exception of Lanai and Niihau, and total more than 400,000 acres.

## MAINTENANCE OF PUBLIC HUNTING AREAS

Improvements were made to the game watering systems on the Islands of Molokai, Lanai, and Kauai, and to the road and trail network on all of the islands. The maintenance of these facilities, which include some 200 miles of jeep roads and trails and over 200 game watering units, continues to be a major activity for the staff.

Habitat improvement work included the clearing of approximately thirty acres of brushland into strips in the Kaohe Game Management Area on the Island of Hawaii. About half of the cleared land was planted to gamebird food plants which resulted in a noticeable increase in pheasant and quail populations and in hunter use of the area. A similar range renovation experiment was initiated on the Island of Lanai, where in cooperation with the Dole Corporation, approximately eighty acres of seriously eroded lands were disked and seeded to desirable wildlife food species of plants. There are several hundred areas of badly eroded areas on this island, which if revegetated, could add substantially to the wildlife carrying capacity of the land.

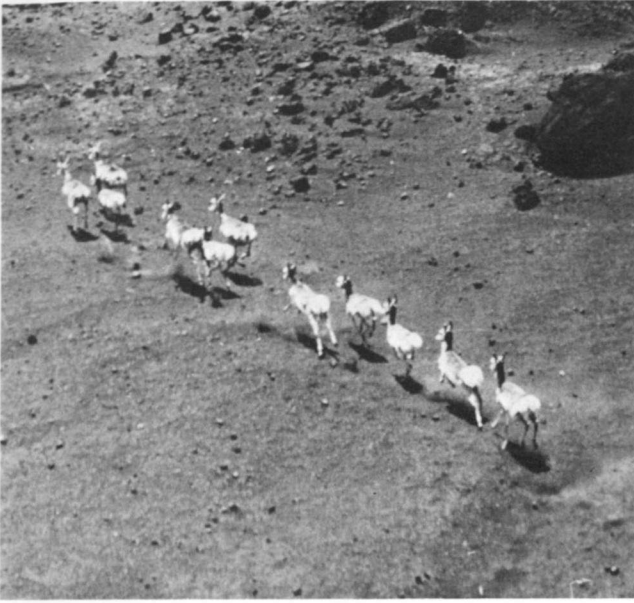
Establishment of hunter checking stations and posting of boundary lines and safety zone areas were continued during the many hunting seasons in varied areas of the State. These activities assure better hunter compliance with established regulations and promote increased hunter safety on the intensively managed areas. In addition, game harvest information is obtained primarily through the checking stations.

## GAME INTRODUCTION AND RESEARCH

The blacktail deer herd, already established on the Island of Kauai, was supplemented with the release of 20 additional animals obtained from the Oregon State Game Commission. This addition to the breeding herd will hasten the date of the first deer hunting season on that island. The herd now numbers at least 150 animals and has spread its range over the entire brushland area between the Waimea Canyon and the Napali Coast below Kokee.

The pronghorn antelope herd on the Island of Lanai has increased to nearly 200 animals and has extended its range over most of the open north end of the island. An experimental open season is being planned for sometime in the summer of 1966.





From an estimated 18 survivors of 38 Pronghorn antelope released in 1959, the population has grown to an estimated 200 animals on Lanai. A hunting season is planned for the summer of 1966.

The small axis deer herd on the Island of Maui is also showing excellent increase in growth with the population estimated at between forty and fifty animals widely scattered over the entire lower Kula slopes.

The mouflon herds on Mauna Kea on the Island of Hawaii, and on Lanai, continue to increase. This animal has done particularly well on Lanai where the herd has increased rapidly and is now estimated to be in excess of 300 animals. On Mauna Kea, the apparent preference of the mouflon for the lower slopes, where the vegetation is heavier, compared to the preference of the feral sheep for the upper reaches, will enable that mountain area to sustain an increased total mammal population.

The original game mammal-proof enclosures established on Mauna Kea during the previous period, were maintained, and in addition, several more were established in Game Management Areas on Lanai and Kauai to aid in assessing the effects of wildlife populations on the vegetative cover. These plots, after several years of study, will provide data which will assist in determining range carrying capacities for game species.

Studies of feral animals, with emphasis on the life histories of the wild pig and the Mauna Kea (feral) sheep continued through most of the period, but the most intensive phases of this work were suspended in the second year due to the resignation of the wildlife biologist assigned to the project. Numbers of wild pigs were tagged and released, and 12 previously tagged pigs were recovered. Studies of the breeding habits of the feral sheep suggest that they breed throughout the year, but that there are definite winter and summer

lambling peaks. A number of wild goats were marked with permanent plastic collars following a roundup, and released on the range. Future observations are expected to provide information as to their movements within the goat range.

Observation continued on the previously introduced Rio Grande turkey. Some net population increase may have occurred on Molokai and possibly on Lanai. Sightings were reported from the other islands where releases were made, often from points quite distant from the site of release; however the surviving populations are quite small and reproduction appears to be poor. Other introduced birds, such as the Erkel's francolin and the Reeves pheasant, continue to be reported but less frequently than in previous years.

### NON-GAME BIRD INTRODUCTION AND RESEARCH

The Nene Restoration Project, a program financed largely through a contract with the Bureau of Sport Fisheries and Wildlife, U. S. Fish and Wildlife Service, continued to show good progress. Most encouraging was the sighting of 76 free-flying nene crossing the Saddle Road on the Island of Hawaii on the morning of August 14, 1965. These birds, most of which were wild nene, use the Keauhou sanctuary area and other lands on the northeast flank of Mauna Loa as their breeding grounds. Successful reproduction resulting from the pairing of pen-reared and wild nene was observed in both the Keauhou and Hualalai sanctuary areas.

A total of 109 nene was released on Hawaii and Maui during the reporting period. Of these, forty-three were imported from England, two from the State of Connecticut, and the remainder reared at the Pohakuloa breeding station maintained by the Division. This raises the number of nene released since the inception of the release phase of the program to a total of 177 birds on Hawaii and 159 birds on Maui.

The Koloa Project, financed with funds provided from the World Wildlife Fund, continued with the collection of data and information on the distribution, density, habitats and life habits of this rare native duck. A number of these birds have been reared at the Pohakuloa station for experimental study and release. Arrangements were made with the Jean Delacour Waterfowl Preservation Center in Salt Lake City for future shipments of young koloa to Hawaii for further study and release in the wild.

At the request of the Hui Manu Society, a second shipment of 200 edible nest swiftlets, *Collocalia inexpectata bartschi*, was imported from Guam in 1965 and released at Waimea Falls on the Island of Oahu. The initial importation was made with 175 birds which were released in lower Niu Valley on Oahu in 1962.

## WILDLIFE REFUGES AND SANCTUARIES

Survey expeditions were made to the Hawaiian Islands National Wildlife Refuge and to Kure Island in 1965, in company with staff of the U. S. Fish and Wildlife Service led by Mr. Eugene Kridler, Wildlife Administrator. Routine biological and ecological surveys were conducted on all of the islands in the refuge with the exception of the Gardiner Pinnacles. In 1966, a trip was made to Kure Island to investigate reports of rat depredation on seabirds and to check on the undesirable effects of an introduced weed species.

The population of Hawaiian rats was found to be extremely heavy and to be causing serious damage to bird life. Arrangements were concluded with the Rat Control Officer stationed at Midway Island and with a Smithsonian Institute member stationed at Kure Island to assist in rat control measures.

The weed species reported, *Verbisina enceloides*, is spreading rapidly, and is replacing the native vegetation particularly in the areas disturbed during the construction of the Coast Guard Loran Station on the island. A field plot study of herbicide control measures was instituted to determine the best means of eventual control or eradication.

## Enforcement Branch

The enforcement of the laws and regulations especially established to protect, conserve and perpetuate the fish and wildlife resources of the State is the principal function of the Enforcement Branch of the Division. This basic responsibility is carried out with a force of eighteen regular full-time Fish and Game Wardens, assisted by a corps of 112 volunteer Deputy Fish and Game Wardens. The Deputy Wardens are appointed to those positions by the Board of Land and Natural Resources, and serve without compensation.

The policing of approximately 900,000 acres of public hunting areas, more than 900 miles of shoreline and reefs, six freshwater public fishing areas, and numerous miles of streams poses a tremendous task for the limited enforcement staff. The overall job involves conduct of patrols, general surveillance, and stakeouts to observe and control hunting and fishing activities in this broad area. Patrols

are carried out in vehicles, in boats, on horseback, and on foot, and can often be hazardous, particularly when operating in rugged terrain at night or during inclement weather.

Enforcement phases of the program include checking hunters and fishermen for licenses and permits, game and fish bags for species in closed seasons, crustaceans with eggs, and bag, size and weight limits; inspecting commercial and sport fishing craft, markets, peddlers and restaurants for violations of fish and game laws; and issuing hunting and fishing licenses and permits. During field contacts the wardens gather information regarding game or fish concentrations and movements, conditions of access roads and habitat areas, and illegal hunting and fishing tactics employed by violators. Wardens also take advantage of such field contacts to disseminate information on hunting and fishing laws and regulations, and on various aspects of the fish and game programs. In many cases incipient violations were prevented through timely provision of information.

The major activities of the Enforcement Branch during the biennium may be briefly summarized as follows: patrolled 404,962 miles by vehicle, 1449 miles by boat, and 1142 miles by horseback and on foot; contacted 15,918 hunters and 54,060 marine and freshwater fishermen; inspected 9,906 commercial and sports fishing boats, restaurants, fish markets and fish peddlers, and issued 10,729 licenses and permits. The total enforcement effort resulted in the arrest of 234 persons for violations of existing laws and regulations.

In addition to their primary enforcement activities, the wardens participated in fish and wildlife management activities by assisting the professional staff of the Fisheries and Wildlife Branches of the Division by conducting creel censuses and game counts, collecting biological and other field data, stocking fish and wildlife species, and operating hunter checking stations. Other activities included investigation of crop depredation by birds and mammals, supervising field trials, presenting educational talks on fish and game law enforcement at schools and at meetings of sportsmen and civic organizations, explaining and interpreting fish and game laws and regulations at public hearings, and manning fish and game display booths at fairs and other public events.

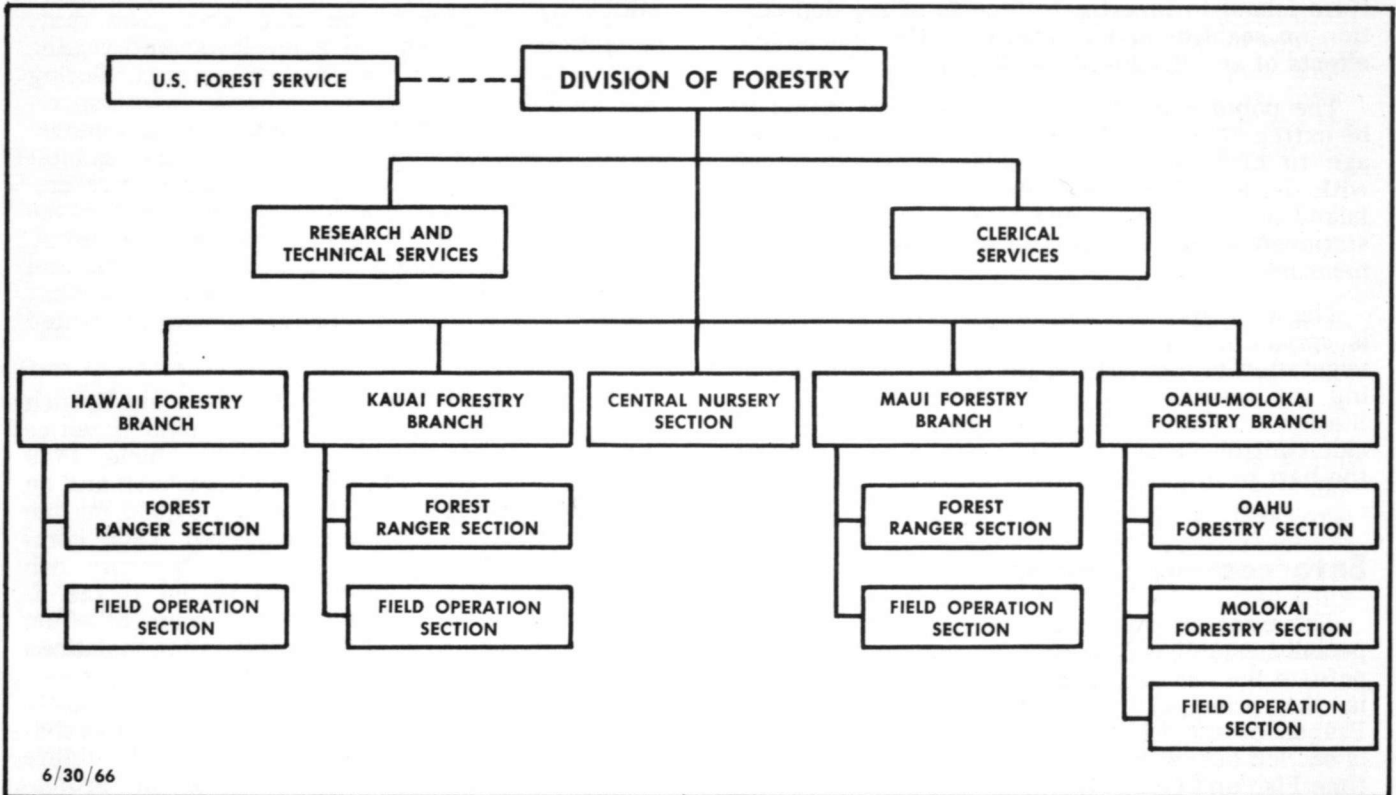


# SECTION 4

## DIVISION OF FORESTRY

MAX F. LANDGRAF, State Forester

### ORGANIZATION CHART—DIVISION OF FORESTRY

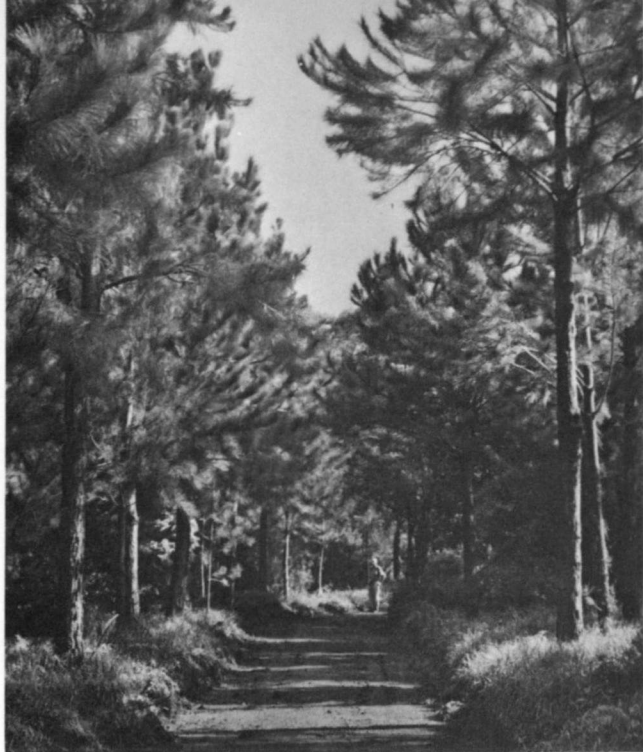


The Division of Forestry bears the immediate responsibility for conduct of State-wide programs of forest management of State lands for development and protection of critical watersheds; for sustained production of valuable timber and other forest products; and for making available forested lands for recreational and other purposes in accordance with the Multiple Use concepts so widely accepted throughout the world. The Division also provides assistance to private landowners in the development and management of their forest land resources. Approximately one million acres of State lands, and one million acres of privately owned lands are involved in this major program.

The principal functions of the Division within these broad areas of responsibility are to recommend and enforce laws and regulations designed to conserve and manage forest resources; protect

Natural forest area southwest of Hilo, Hawaii, with native Ohia, and Pritchardia Palms in the understory. This area is being preserved in undisturbed condition to protect indigenous vegetation and birds.





A stand of young pine trees on the Island of Molokai about twelve years old. Planted initially for control of soil erosion, these trees may eventually produce valuable timber.

forest and other wildlands from fire, insects, diseases, and other destructive or injurious agents; and to develop and conduct programs and projects for reforestation for timber production, watershed protection, recreation, forage production, and wildlife habitat.

There were no major statutory or administrative policy changes promulgated during the biennium which had serious effect on either the responsibilities or functions of the Division. Internal administrative changes revised the organization of the Division by elimination of the separate Nursery Section and Labor Section within each Island Branch, and established a Field Operations Section for these areas. The Central Tree Nursery is operating at the Branch level within the Division, and it has been so located within the Organizational Chart.

## Administration

### NEIGHBORHOOD YOUTH CORPS

During the period, the Division assumed responsibility for the Department's involvement in the Federally organized NYC (Neighborhood Youth Corps) programs of the Economic Opportunities Act. By special arrangement, the program for the County of Kauai is also administered by staff of the Division. Within the total program, approximately 100 qualified youths were assigned to forestry work, and 175 to other projects.

The work-training programs included experiences in clerical and other office routines, equipment maintenance, building maintenance, road and trail construction and maintenance, and tree planting. The NYC group planted approximately 700

acres of forest area, and prepared an additional 100 acres for planting. They were also involved in construction and maintenance work on approximately 20 miles of forest road and 40 miles of trails. While carrying out these tasks, the enrollees were exposed to the rudiments of conservation practices, good work habits and safety procedures, and at the same time, were earning money for personal needs and for education.

### FORESTRY CONFERENCES

The State Forester and members of the Division Staff attended a number of forestry conferences during the reporting period. These meetings included the Annual Meeting of the National Association of State Foresters in Houston, Texas in October, 1965, and the Sixth World Forestry Conference in Madrid, Spain in June 1966. The Forester in charge, Central Tree Nursery, visited a number of forest nurseries in California during July 1966 to study nursery techniques and methods.

The entire staff of the Division participated in the First Annual Hawaii Timber Conference held in Honolulu in February 1966. The meeting was well attended by timber landowners and producers, managers, operators, and forestry scientists. The conference was organized for exchange of information and for discussion of forestry programs in Hawaii.

### FOREST TREE PLANTING

The timber tree planting programs of the Division continued during the two year period, but at a somewhat reduced rate. During 1965, a shortage of funds slowed the work. In 1966, prolonged drought during the normal planting periods on Hawaii and Maui reduced plantings, and in some cases required the replanting of areas previously planted. Despite these difficulties, the total plantings carried out during the biennium covered 3804 acres, compared to approximately 5000 acres in the previous biennium.

Contract prices for site preparation for forest plantings, which had shown an almost continual decrease for several years, rose in 1966. The aver-

An excellent windbreak of *Eucalyptus compacta* and Olive developed with the assistance of the Cooperative Forest Management Branch.





**Forester measuring logs in major timber lease tract. The volume of logs harvested controls the total stumpage fees paid by the Lessee to the State.**

age cost in Fiscal 1965 was \$47.50 per acre, while the average cost in 1966 rose to \$53.10 per acre. The initial decline in contract costs had been achieved through increases in overall efficiency and through competition. Recent increases in costs of equipment and operations are being reflected in the increasing costs now experienced.

An experimental planting of *Eucalyptus robusta* on 120 acres of land in the Waiakea area on the Island of Hawaii was broadcast seeded from the air. A commercial agricultural cropdusting airplane carried out this work at a rate of one pound of seed per acre, and at a cost of one dollar per acre. Good distribution of seed was obtained, and initial germination looks promising.

A long-range Five Year Plan for forest plantings in the State was completed in 1966. The new plan covers the period from FY 1967 to FY 1971 inclusive, and calls generally for a total planting

**Logging operations in the major timber lease to Canadian Pacific Corporation. All logging operations are supervised by Foresters to insure protection of watershed areas, and other conservation practices.**



program of approximately 2800 acres per year throughout the State. Some change in emphasis on the main species being planted is incorporated in the plan, since some species, such as Tropical Ash are not succeeding in all areas as expected.

The Division, for the first time in the history of the tree planting program, initiated a system of charges for seedling trees distributed to private landowners for windbreak and forest plantings. The charge is nominal and is not believed to be a serious burden to the landholder. Imposition of the charges improves the position of the Department in seeking Federal assistance in cost-sharing for trees distributed to private owners. The psychological effect of placing a price on the trees also has the beneficial effect of reducing the wastage of trees by the purchasers.

## **FOREST INVENTORY**

The detailed forest inventory of timber volumes in planted stands, initiated in early 1965, was continued throughout the reporting period. Field surveys and data processing have been completed for the forest plantings on the Islands of Hawaii, Kauai, and Lanai. Field surveys have been started and are in progress on the Islands of Oahu and Maui, with an estimated completion date sometime in 1967.

An analytical report of the forest resources of the planted areas on the Island of Hawaii has been drafted, and is being prepared for publication. Similar reports are planned for each of the island areas as the preliminary surveys and analyses are completed. The U. S. Forest Service has provided substantial aid in the survey and analytical phases of this work.

The transportation system which would be required to reach and exploit the planted forests on the Island of Hawaii is under study.

## **FOREST PRODUCTS SALES**

Most sales during the biennium consisted of relatively minor quantities of tree fern and other forest products. During 1966 however, the Division, with the aid of the U. S. Forest Service, negotiated a timber sales agreement with the Canadian Pacific Corporation of Hawaii for the sale of up to five million board feet of timber per year for the next twenty years. The timber is to be supplied from mature stands on the Island of Hawaii, and will consist primarily of *Eucalyptus robusta* and other *Eucalyptus* species. The initial agreed price for timber is ten dollars per thousand board feet. The contract provides for periodic redetermination of the price, and includes other qualifications to protect the State's interests and to assure good forestry practices.

During the initial, exploratory phases of this new timber operation, from January 1, 1966 to June 30, 1966, the operator worked with a small portable sawmill. Total production of timber cut





Forest planting of young *Eucalyptus saligna* about 4.5 years old. *Saligna* is one of the more promising hardwood timber species for Hawaii owing to its rapid growth and clear straight trunks.

and scaled was 146,180 board feet, with receipts to the State of \$1,461.80. Plans have been completed for construction of a larger stationary sawmill which will substantially increase productive capacity to approximately five million feet per year. Revenues to the State at that time are expected to be not less than \$50,000 per year from this operation. More important than this direct revenue to the State, will be the new employment and economic activity which will be generated by this new industry in Hawaii.

### FOREST PROTECTION

The Division maintains close coordination with State and Federal agencies responsible for the detection and eradication of insects and diseases which could be injurious to forest vegetation. No serious epidemics of either category were reported during the two year period. Forest Rangers maintain a continuous surveillance throughout the forested areas of the State for evidences of insect infestation or disease outbreak.

There was an up-surge in the number of man-caused fires requiring suppression. There were ten such fires in 1965 and a total of thirty-six in 1966, with a total burn of 11,000 acres of forest, brush and grasslands. Despite these losses, there appears

to be a gradual improvement in the fire control program. Better planning and coordination for fire suppression now exist, and this should continue to improve in the future.

### FOREST RESEARCH

The Division, in cooperation with the U. S. Forest Service, is conducting an active program for forest research. Projects under this cooperative program range from studies of comparative tree growth in Hawaii; timber products; timber markets and marketing; watershed management, and with forest research in general. A most significant study, recently completed, analyzes the markets for timber products for military support in the Pacific Ocean areas. This represents a substantial market for approximately two million feet of hardwood timbers, as well as a considerably greater market for softwood construction timber. Hawaii has a very definite location advantage in relation to this market which may prove advantageous for future timber production and sales.

A total of twenty-eight research papers and reports were prepared jointly with the U. S. Forest Service during the two year period of report. Some of these are special file reports to record progress and tentative findings. The majority were published and circulated. Copies of selected reports are available upon request. A listing of these and other available forestry reports is in the Appendix.

### COOPERATIVE FOREST MANAGEMENT

The Cooperative Forest Management program, initiated late in 1964, was particularly active in two service areas during the period. The first is in the establishment of windbreaks in the Lalamilo and Puukapu farming areas on the Island of Hawaii. The U. S. Agricultural Stabilization and Conservation Service, at the recommendation of the Service Forester, established a 75 percent cost sharing rate for windbreaks during the year. This provided a special incentive to farmers to start windbreak plantings, and twenty-seven farmers in these project areas made a beginning on planting programs. A total of forty-one windbreak inquiries were handled by the Forester.

The second major area of activity for the Service Forester was in helping to bring together sawmill operators and timber owners. The State-owned *Eucalyptus robusta* supply is essentially pledged on a long-term contract to the Canadian Pacific Corporation. The Service Forester was called on to advise a number of prospective purchasers to other sources of timber on the Islands of Hawaii and Maui.

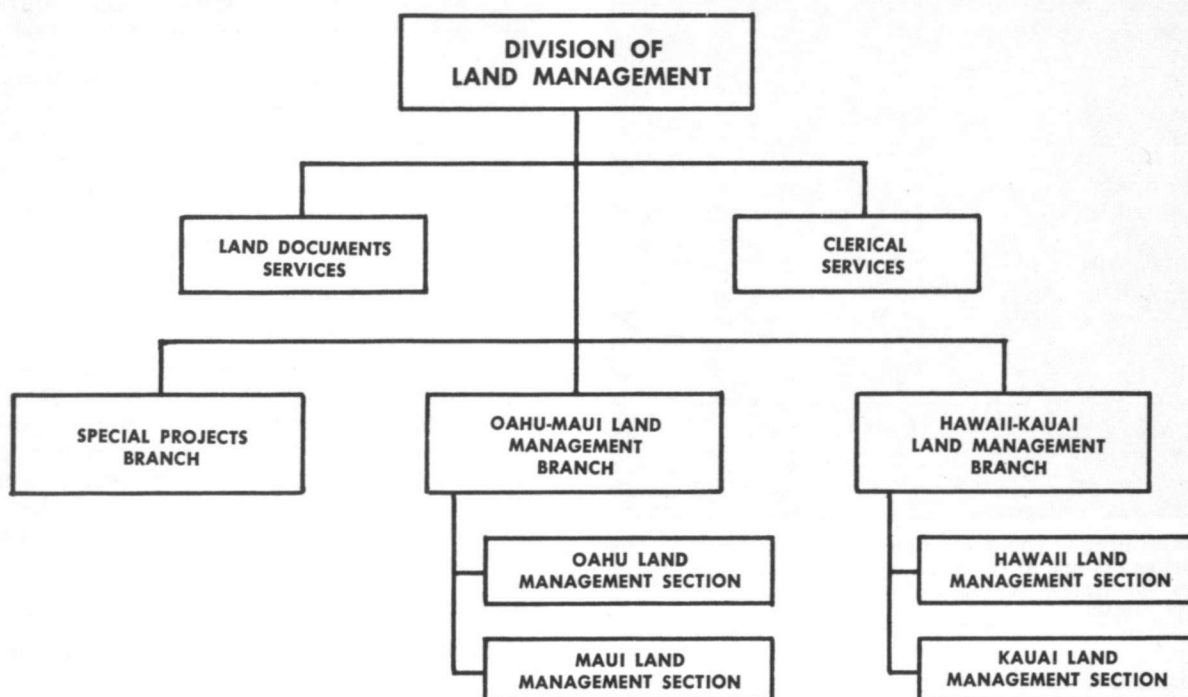
A number of counseling trips and surveys were made to all of the major islands of the State. A total of 121 requests for information and assistance within the scope of the Cooperative Management program were received and acted on during the period.

SECTION 5

## DIVISION OF LAND MANAGEMENT

JAMES DETOR, Land Management Program Administrator

### ORGANIZATION CHART—DIVISION OF LAND MANAGEMENT



6/30/66

The Division of Land Management is responsible, under the broad policy and administrative direction of the Board of Land and Natural Resources, for the management, acquisition, and disposition of the public lands of the State. The principal office of the Division is also an office of record, and is responsible for the protection and maintenance of certain public records such as land patents, leases, and other documents issued by the Department.

The principal activity of the Division staff is centered about the disposition of lands under the control of the Department, by sales in fee, by lease, or by revocable permit. A substantial percentage of dispositions are by revocable permit, for temporary employment of idle lands until they may be required for a higher use.

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 certain 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 disposition is made. Sales and leases of State lands 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 reverter 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

Legislation established during the 1965 and 1966 Sessions of the State Legislature has provided the Board of Land and Natural Resources additional latitude and authority in conduct of land disposition programs, clearing some of the roadblocks created by Act 32, the Omnibus Land Law of the 1962 Session.

The chief measure, Act 239 of the 1965 Session, is an omnibus amendment of the land laws. A major provision of this Act authorizes the Board to contract with a qualified developer for tract development of residential, commercial, industrial, hotel-apartment and other permitted uses. This procedure may only be carried out for development of projects approved by the State Legislature and for which no State funds are available.

Certain features of Act 239 improve the scope and flexibility of the procedures for certain types of land dispositions. Dispositions of State lands for public utility purposes can be accelerated through an authorization for direct disposition of lands to utilities companies without public auction, but subject to subsequent disapproval by the State Legislature. Lands may also be leased for multi-purpose uses so long as the proposed uses conform to the land zoning. In the past, land could only be leased for a single specific use, such as pasture, and no other uses were permitted for the duration of the lease term. Under the new law, a category of General Agriculture has been established, and any combination of agricultural uses is permitted under this classification. This particular change will encourage the most profitable utilization of the land.

Act 271 of the 1965 Session provides that the Department of Hawaiian Home Lands may undertake its own leasing and other dispositions of Hawaiian Home lands not immediately required for the Commission's Homestead program. This will tend to reduce the workload of the Division to some extent, since, in the past, these dispositions were handled through the Division of Land Management for the Commission.

Act 97, SLH 1965, transfers from the City and County of Honolulu, and the various counties, the responsibility for the acquisition and management of all lands for school sites.

## LAND DISPOSITIONS

The past biennium has shown some of the physical development within the State of plans prepared during the period from 1958 to 1962, when planning took high precedence over development.

The Division carried out an accelerated disposition program during the entire two-year period under report, and processed the disposition of 460 residential houselots containing 94 acres for a total sales price of \$5,251,316. Of this total operation, 135 lots were sold on Oahu, eighty-eight on the Island of Hawaii, twenty-one on Kauai, and seventy-two on Maui. These houselots included the Waimanalo Core Stage I Subdivision and the Second

Series Diamond Head View Lots on Oahu; the Wahikuli Subdivision near Kaanapali on Maui; the Wailua Houselots on Kauai; and, the University Heights, Waiakea, and Lalamilo Houselot Subdivisions on the Island of Hawaii.

Four major resort hotel leases were sold during the biennium; two on the Waiakea Peninsula in Hilo, Hawaii, and two in the Wailua Resort Subdivision on the Island of Kauai. The two Hilo lots contain a combined area of 7.32 acres and the combined lease rent for the two is \$47,670 annually. The contractual building requirement for one lot is \$1 million, and for the other, \$2 million..

Lot A-1 of the Waialua area contains 6.093 acres which sold for an annual lease rental of \$18,000, and with a building requirement of \$350,000. Lots B, C, D, and E were sold as a single unit of 22.833 acres at an annual lease rental of \$31,500 and a building requirement of \$2 million. All of the building requirements must be satisfied within two years of the date of sale, and the hotels must be operational within the same two-year period.

A major problem related to the development of the Waimanalo Core Stage I Subdivision on Oahu was cleared up with the final satisfaction of long-standing preference rights of certain Waimanalo residents to purchase houselots under the provisions of Public Law 639 of the 83rd Congress. These rights accrued to the original residents during the operative period of the law, August 21, 1954 to August 21, 1956 as applications to purchase were filed by eligibles. The assignment of lots was deferred during the planning and development phases of the subdivision, but on June 14, 1964, 66 of the 85 eligibles were assigned lots in the new subdivision at prices adjusted back to 1956 levels. The development of the Waimanalo Subdivision provided the first opportunity to make such lots available following enactment of Public Law 639, and the first opportunity to satisfy the requirements of the law.

During the period of report, the Division processed a total of 337 Special Sale Agreements, 131 General Leases, 345 Revocable Permits, and 317 Deeds and Land Patent Grants. In addition 1600 Land Office Deeds were processed for recordation. Of these, 68 were State outgrants and 16 were City and County of Honolulu outgrants submitted for recordation only. Executive Orders processed amounted to 98 for all Islands.

The Division staff, under the provisions of Act 239/1965, processed and sent forward to the State Legislature twenty-two dispositions to public utilities companies covering a total of 326 acres of State lands at an appraised sale value of \$151,757. The area figures include three utilities leases at a rental value of \$636 per annum.

A major exchange of lands between the State and Alexander and Baldwin, Ltd., on the Island of Maui was negotiated and presented to the State Legislature for exercise of its rights of disapproval. However, due to a legal technicality, the proposed



exchange must be resubmitted to the Legislature at the 1967 Session. The intent of the State in making the exchange is to obtain suitable sites for construction of the State Prison, the Maui Community College, the new Maui High School, and for expansion of Kahului Airport approach zone. Involved in the exchange are 522.657 acres of Alexander and Baldwin, Ltd., lands appraised at \$2,335,875 and 1,882.585 acres of State lands appraised at \$2,252,504. The \$83,371 differential is waived by Alexander and Baldwin Ltd.

## LAND ACQUISITIONS

Acquisitions of lands by the State for various purposes has been accelerated during the period, and this phase of the land program is on a nearly current basis. This speedup of the acquisitions was carried out with the assignment on a full-time basis of one Supervising Land Agent. During the biennium, a total of forty-eight individual parcels were acquired, with an area in excess of fifteen acres and with a value in excess of \$500,000. In process of acquisition at the end of the reporting period were a total of 21 parcels with an area of approximately 5500 acres, and an appraised value of approximately \$7 million. A very considerable program of acquisition has been budgeted and appropriations authorized for the next two years.

## LAND MANAGEMENT

The Division staff has conducted a large volume of business in cooperation with the Federal Government and with various governmental agencies and political subdivisions within the State.

Numerous sites and easements were made available to the City and County of Honolulu, and to the County agencies on the neighbor islands for a wide variety of purposes, from water tank sites to drainage easements.

Dispositions to the Federal Government have been numerous and significant. The Makaha Ridge site for major components of the Fleet Operational Tactical Range on the Island of Kauai is an important example. Other sites and easements for communications, observation, and tracking facilities have been made available to the Army, Air Force, Navy, Atomic Energy Commission, Federal Aviation Agency, the National Aeronautics and Space Administration, and to others.

The Division, within the Federal Lands Program and the provisions of the Hawaii Statehood Act, has processed the return to the State of 486 acres of ceded lands declared surplus to Federal Government needs. These areas included 8.8 acres at Fort Armstrong; 13.2 acres of the Kapalama Military Reservation; 68.5 acres of Schofield Barracks East Range; 18.6 acres at Wheeler Field for an elementary school site, 386.3 acres of Sand Island; and 0.19 acres at Fort DeRussy, the latter for recreational use. These 486 acres, and the 655 acres previously returned, make a total of 1,141 acres of ceded lands returned to the State by the Federal

Government under the terms of the Hawaii Statehood Act.

The Division was involved, jointly with other State agencies, in the negotiations for purchase of Federal Surplus Lands for use by those agencies. Included in these acquisitions, which were purchased on health or educational discounts under programs administered by the Department of Health Education and Welfare, are a 37.5 acre parcel for the University of Hawaii, and a 32.5 acre parcel for the Hawaii Department of Agriculture for use as an Animal Quarantine Station.

The Oceanographic and Bio-Medical Research Programs of the University of Hawaii were given considerable impetus through the grant by the Board of Land and Natural Resources of a direct lease on 6.5 acres of State lands adjacent to Kewalo Basin, Honolulu, for development of a research center for marine, fisheries, biomedical and tsunami investigations. If expanding requirements of the program demand it, additional lands may be made available. Other direct dispositions to the University of Hawaii have included additions to the Hilo Campus of the University, and several agricultural experimental farm sites.

Development of Honolulu's waterfront has also been stimulated by transfer to the Department of Transportation under Executive Order of an additional 30 acres of land within the Pier 2-Fort Armstrong complex for expansion of the container-handling facility. Closely allied and adjacent to the Container Facility, is the proposed 70 acre Wholesale Food Distribution Center for which an initial lease of 4.5 acres is now being processed for sale. Negotiations are also in progress for direct lease of a parcel of land within the project area of the Food Distribution Center to the Hawaii Department of Agriculture for their joint development with the Atomic Energy Commission of the Hawaii Development Irradiator. This facility will be used for the experimental treatment of tropical fruits for disinfestation and quarantine clearance for export.

The Division has acted for the Board, in cooperation with the Hawaii Redevelopment Agency, in acquisition of Hilo Waterfront lands for open space development of a tsunami buffer zone. The lands were acquired on a 70:30 State-Federal matching fund basis, and use of the land is restricted to open space and recreational developments. Also in cooperation with the Hawaii Redevelopment Agency, the Division processed the sale of 11 parcels of State lands for development of the Hilo Kaiko'o Project, and in this case the HRA paid the State the full appraised value of \$123,000 for the 2.68 acres of land.

The Board made available to the Honolulu Redevelopment Agency 19 acres of the lands of Lahi-kina on the slopes of Punchbowl and 37 acres within the Waimanalo Core Development area to provide housing for persons displaced by HRA activities.

A totally new concept in public housing was created and made possible when the Board made available to the Hawaii Housing Authority fifty lots within the Waimanalo Core Development, First Stage, for single-family housing. This is the first time public housing has offered eligibles a separate house and yard for each family unit. The land was made available to the Authority without charge, but the HHA paid the State the out-of-pocket costs of developing the subdivision. A condition of the conveyance is that Waimanalo eligibles be given first priority for the units as they become available. The Board also made lands available for the Hawaii Housing Authority public housing program on the Islands of Hawaii, Maui and Kauai.

In a joint undertaking with the County of Hawaii, the Department of Hawaiian Home Lands, The Mauna Kea Soil and Water Conservation District, and the Soil and Water Conservation Service of the U. S. Department of Agriculture, the Department acquired lands and made them available for the Puukapu Flood Control Project at

Waimea, Hawaii. More than 218 acres were acquired for flood plain easements and 22 acres for a holding dam. The project was funded on a 75:25 Federal-State and County matching basis.

#### LAND COMMISSIONER'S CONFERENCE

The Division of Land Management, together with other Divisions of the Department, played a major role in hosting the 1965 Annual Conference of the Western States Land Commissioners. This 1965 conference combined a three-day Honolulu business meeting and a three-day inspection tour of neighbor island projects for the members attending. More than 60 persons, including State Commissioners, their families and guests, made up the visiting contingent. The purpose of the annual conference is to discuss problems common to the 18 member Western States, including Hawaii, and to take mutual corrective action where possible.

Expenses incurred in entertaining the visitors were defrayed by donations received from local business firms.



Keaiwa Heiau State Park is the most popular mountain picnic area and campground on the Island of Oahu.

—Division of State Parks photo

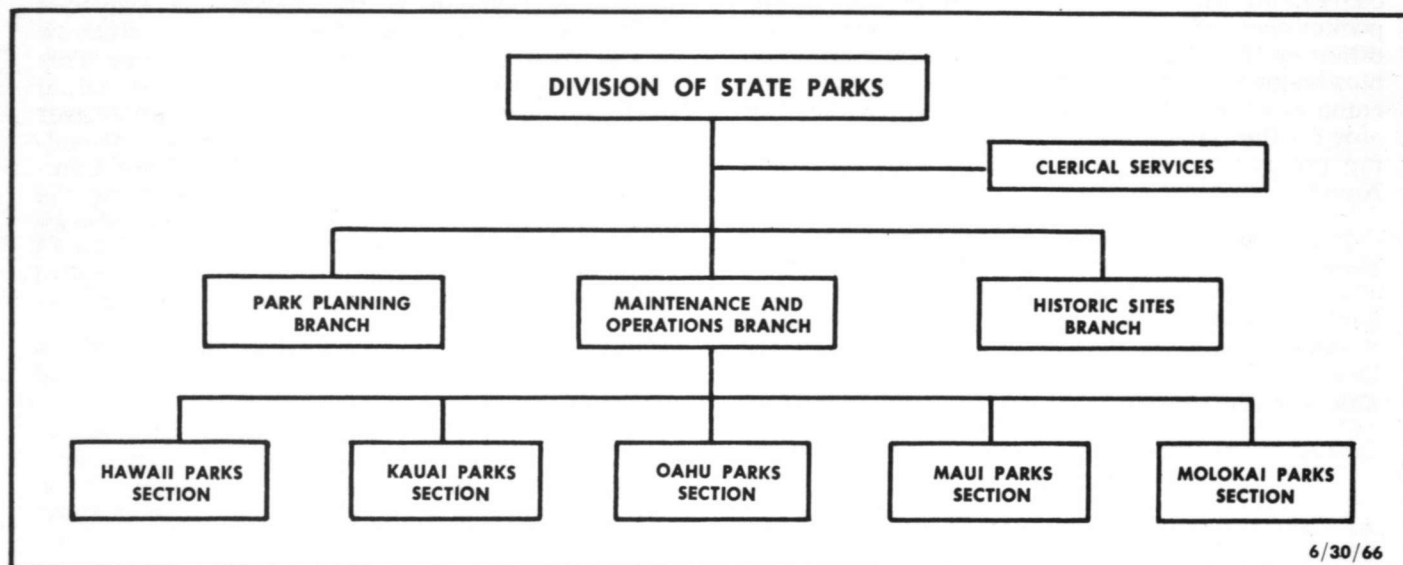


## SECTION 6

# DIVISION OF STATE PARKS

JOSEPH M. SOUZA, JR., State Parks Director

## ORGANIZATION CHART—DIVISION OF STATE PARKS



The Division of State Parks is responsible for the development and administration of programs for the effective utilization and protection of recreational and historical areas and resources on the public lands of the State. The principal objective of the Division within this broad goal is the provision of adequate opportunity to the citizens and visitors of the State for outdoor recreation in sufficient quantity and quality to meet the basic regional and statewide needs. The State Parks out-

door recreation program is primarily oriented towards high quality experiences in outstanding natural, historic, and scientific sites, and with large scope recreational facilities and ocean beaches.

Major efforts of the Division were directed during the past two years towards the protection and enhancement of the recreational and historic values of State lands in order that the future needs of the State may be met. Newly established policies direct that any plans, programs or projects which

## KALAPANA CANOE LANDING

To expedite canoe landing, a stone ramp with a system of log rollers has been built. To land, a canoe was pulled out of the water, up the rollers, and then backed into the walled shelter at the right. In areas with steep cliffs, a similar technique was used: the canoe was slid down a 'ladder' of lashed poles and launched into a wave. The momentum, and the quick work of the paddlers, would carry the craft beyond the pull of the next incoming wave. In landing, the process was reversed. Although it required extreme care in choosing the precise moment to launch or land, these techniques allowed canoes to go out even in rough weather.

*Division of State Parks - Department of Land and Natural Resources*



Interpretive programs enrich recreational experience, illustrated by this text of an information board in a rustic mounting on the Island of Hawaii.

may in any way affect these values are subject to review by the Division of State Parks. Those Departmental development programs and plans that do not adversely affect recreational and historic values receive the fullest cooperation from the Division.

An important objective of the Division is to provide low cost facilities for inter-island vacationers. Overnight campgrounds are provided at a number of State parks and State recreational areas. However, the nature of transportation within our island State is such that normal camping equipment is difficult and expensive to transport from island to island, resulting in campgrounds being predominantly used by the residents of the particular island on which they are located. Increasingly strong efforts have and are being exerted in a program for development of fully equipped camping shelters and cabins for low cost inter-island vacation trips.

### ADMINISTRATION

Mr. Joseph M. Souza, Jr. assumed the position of Director of State parks in September 1964, following the resignation of the incumbent, Mr. Richard Dunlap in August 1964.

### LEGISLATION

There were no legislative actions or Administration policy changes which specifically affect the responsibilities or functions of the Division.

A Departmental policy was established early in 1966 however, which specifically requires a coordinated approach to land use on State lands by all the Divisions within the Department. This policy applies particularly to the Divisions of State Parks, Forestry, and Fish and Game. Plans, programs, or projects of any of the Divisions which may significantly affect the recreational or historical values of any of the public lands of the State are subject to the prior review of the Division of State Parks.

### PARK DEVELOPMENT

The Division is actively pursuing a program for development of major State parks on each principal island within the State, depending upon available sites and recreational resources. These parks all have exceptional natural qualities, perhaps enhanced by historical and scientific values, and are usually of sufficient size for the inclusion of vacation camping facilities in addition to the normal day use facilities.

Camping, cabin and group use accommodations have been completed or are under construction in Kokee State Park on the Island of Kauai, Mauna Kea State Park on the Island of Hawaii, and Waianapanapa State Park on the Island of Maui. The latter is a completely new facility which is expected to be available for visitors use during the late months of 1966.



A rustic pre-fabricated cabin at Kokee on the Island of Kauai. One of four cabins completed in 1966.

Acquisition proceedings have been initiated for the 5250 acre Kahana Valley State Park, which will be the first major State park for the Island of Oahu. Kahana Valley is a particularly important acquisition as it includes the outstanding ocean frontage, together with the superb valley and the surrounding palis in their entirety. The acquisition is also opportune since this is the last such undeveloped site available on the Island of Oahu.

A listing of park development projects is included in the Appendix.

### PARK USAGE

Estimates of State Park visitor usage increased to a total of 2,710,000 visits for fiscal year 1966. This compares with an estimated usage rate of 1,893,000 for 1965, and 1,196,000 for 1964. This continuing high rate of increase in visitor usage

A major marina development nears completion at Wailua River State Park on the Island of Kauai.





A new parking area and improved approach road generate greatly increased usage of Iao Valley State Park on the Island of Maui.

of State parks is considerably greater than the rising trend of recreational usage found generally in the State. This can be accounted for in part by the availability of new and improved recreational areas and facilities, but it is also believed attributable to the high standards of maintenance and operation upheld by Division personnel in the field.

Interviews conducted by Division staff at selected park areas during the 1966 fiscal year indicate that more than 80% of State park visitors came from outside the State to several of the most popular facilities, such as the Kokee-Waimea Canyon State Park and the Poliahu and Fern Grotto areas of Wailua River State Park on the Island of Kauai; Iao Valley State Park on the Island of Maui; Lava Tree, Manuka, and Akaka Falls Parks on the Island of Hawaii; and, Puu Ualakaa State Wayside on the Island of Oahu.

### PARK OPERATIONS

During the 1966 fiscal year, the Division assumed responsibility for the operation and maintenance of all State-owned overnight accommodations open to the public. These facilities included the park and overnight cabin at Poli Poli Springs on Maui; and two cabins at Kilauea, adjacent to the Hawaii Volcanoes National Park on the Island of Hawaii.

On the Island of Hawaii, approximately 65 acres of Project Kaiko's open-space lands have been added to the Division area of responsibility at Wailoa River State Recreation Area. This space is being developed for a botanic garden and for general open-space uses. It will also be the site

of a visitor orientation center, for which preliminary architectural plans were completed during fiscal 1966. On the Island of Kauai, 1106 acres, formerly Puu Ka Pele County Park, have been added to the Waimea Canyon State Park, and approximately 10 acres were added to the Fern Grotto area of the Wailua River State Park. These additions have significantly increased the Division's responsibilities on the island.

In addition to the added park responsibilities noted above, the Division has also assumed responsibilities for the maintenance and landscaping of Washington Place, the Governor's official residence, and for landscaping of the new Capitol building, which is currently under construction. Staff and personnel increases have been authorized to assist in discharging these added responsibilities throughout the State.

### PERSONNEL TRAINING

The growth of the State Parks system and its increasing popularity among islanders and visitors alike is placing increased emphasis on the quality of the recreation experience. In addition to stressing high maintenance and operations standards, attention is now being directed to interpretation of the recreational and historical resources of these areas.

Field personnel are being impressed with the importance of sufficient knowledge of the natural history, cultural aspects, and history of the areas for which they have responsibility, to be able to intelligently answer visitor's questions and to add significantly to the depth of recreational experience. The Division staff and field personnel are also expected to be fully conversant with all laws and regulations concerning these areas and their use in order to secure compliance with such regulations and to achieve the most appropriate use of the park areas and facilities.

A broad inservice program of training has been put into effect for all field personnel. This is supplemented with occasional state-wide meetings of all supervisory and field personnel for discussion of mutual problems.

### NYC PROGRAM

The Division, during the biennium, carried out an active Neighborhood Youth Corps Program established under the provisions of the Economic Opportunity Act. The program was initially established as a summer work training program, but has since been expanded to a year-round program, and has, in addition, expanded on Kauai to include educational phases. Enrollees now attend part-time training sessions in trades and business skills. This phase of the program will be expanded in the future to include all of the islands of the State. Enrollees perform various maintenance and operational duties in State Parks, and also carry out clerical duties.

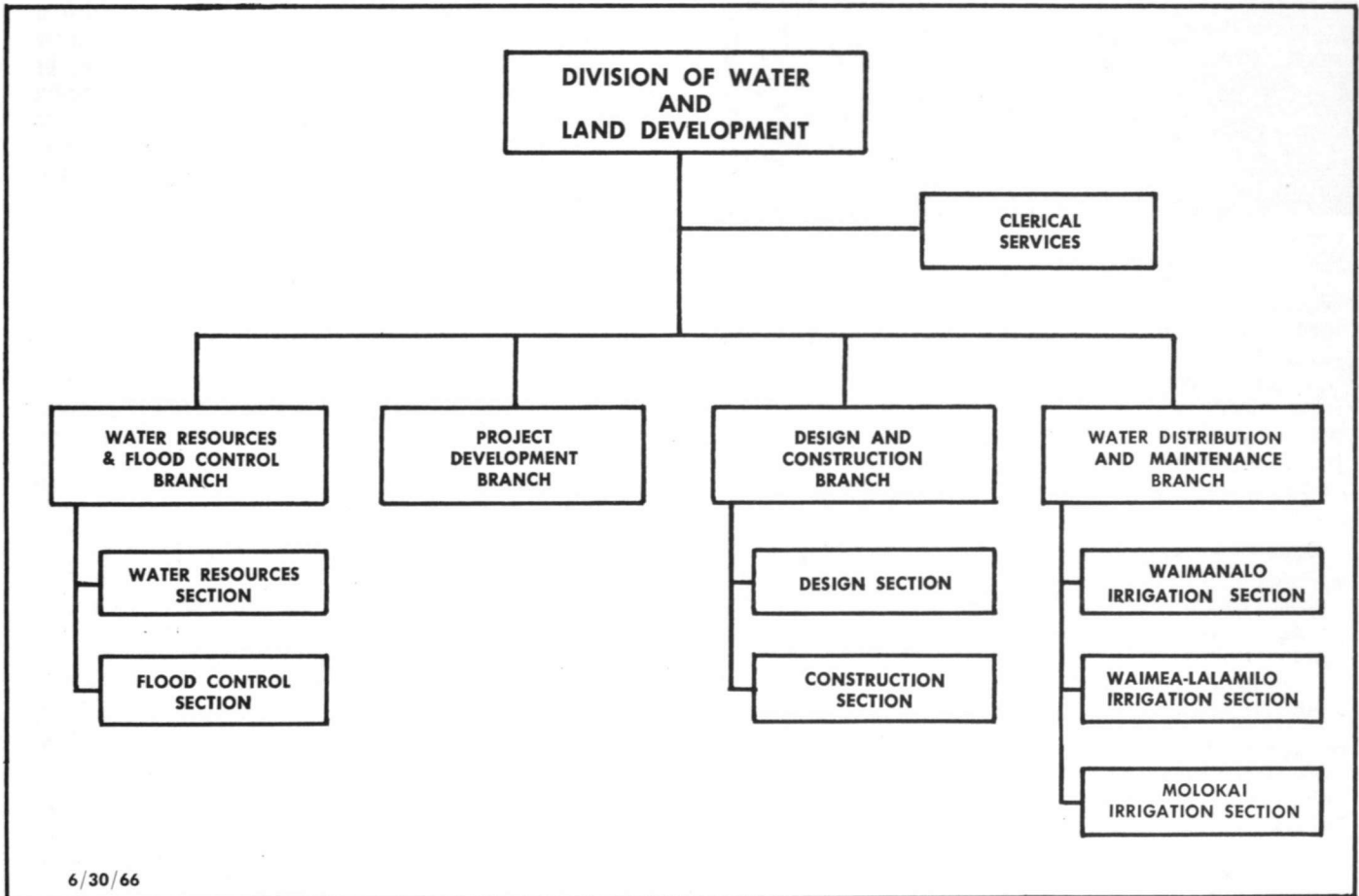


## SECTION 7

# DIVISION OF WATER AND LAND DEVELOPMENT

ROBERT T. CHUCK, Manager-Chief Engineer

## ORGANIZATION CHART DIVISION OF WATER & LAND DEVELOPMENT



The Division of Water and Land Development is assigned direct responsibility for State-wide programs for development and administration of water resources and flood control, and for the development and maintenance of irrigation systems on State lands. The Division also serves as the engineering arm of the Department in respect to subdivisions, water developments, improvements of public lands, state parks, fish and wildlife facilities, and forest reserves. The Division staff also provide technical advice and information for the regulation of land use within conservation districts and State land leases, and enforces the rules and regulations governing artesian basins and ground water use.

The primary functions of the Divisions are carried out by four operating branches: Water Resources and Flood Control, Project Development, Design and Construction, and Water Distribution and Maintenance.

## LEGISLATION

There were no significant changes in State law or administrative policies which have had effect on the responsibilities or functions of the Division. However, in July 1965, the President signed into law the Water Resources Planning Act, PL 89-80. Under Title III of this Act, Federal aid to the States on a matching 50:50 basis is authorized for the preparation of comprehensive long-range water resources plans. The State Legislature in the 1966 Session, appropriated the sum of approximately \$50,000 to the Department for this work, and an application is being prepared for the initial year of Federal funding for water and related land resources planning in Hawaii.

## WATER RESOURCES

The Department of Land and Natural Resources has been designated as the State Water Resources



**Completing the roof of a 250,000 gallon water tank in the Waimea Heights Area, Island of Kauai.**

Agency, and through the Division plans, administers, and conducts water resource programs consisting of collection, compilation and analysis of basic data; hydrologic investigations and studies; regulation, control and enforcement of ground-water statutes; comprehensive water resources planning; coordination of water resources planning; coordination of water programs in Hawaii; and, a central water resources information service.

Hawaii's tremendous social and economic growth during the past two years has placed an increasing demand on its water resources, leading to development of a number of water programs undertaken by Federal, State, and County agencies. There is a continuing need for coordination of these several programs to eliminate duplication and to improve efficiency and economy in meeting the State's overall needs. To provide this coordination function, the Division maintains representation on the Advisory Board for the Water Resources Research Center at the University of Hawaii; on the Ad Hoc Committee for Climatological Data together with the U. S. Weather Bureau, Hawaiian Sugar Planters Association, Pineapple Research Institute, and the University of Hawaii; and, on the Executive Board of the Hawaii Water Works Association, which in turn, coordinates the programs of the municipal Boards of Water Supply throughout the State.

Major emphasis during the biennium was placed on an evaluation of the systems existing within the State for the collection of basic water resource data. In the past, such data collection programs were conducted by different organizations, public and private, for their own purposes. Much information has been gathered through these efforts, but in some areas the data programs lag in both coverage and in quality of information available. Joint efforts are being made by Federal, State, County and private organizations and individuals to adjust the data networks for precipitation, streamflow, ground-water monitoring, water use, and flooding in accordance with the results of the re-evaluation.

The Division is involved jointly with the U. S. Geological Survey in a broad program of areal hydrological investigations throughout the State. The results of these continuing investigations provide information necessary to evaluate the data collection program; point out the water resource needs of various areas; and guide the proper development of specific water sources. Reconnaissance water resources investigations are almost complete for the Island of Hawaii, and the results will be incorporated in the comprehensive water resources planning for that island. More detailed studies are nearing completion for the Island of Oahu, and reports of these studies are being prepared by staff of the U. S. Geological Survey for publication by the Division.

Considerable emphasis is being placed, nationwide and in the State, on comprehensive long-range water resource planning. The Division, in February 1966, published a report entitled "Water Resources Development: Molokai", which is a long-range plan of this nature. The report describes in detail Molokai's water resources and the existing water systems, estimates the future water needs of the island, and provides guidelines for planning future water resource development. This report is the first of a series planned by the Division, which will cover each of the major islands of the State.

An extensive inspection was carried out, of the condition of artesian wells on the Island of Oahu in relation to the groundwater statutes for Hawaii. A total of 489 wells were inspected and tested, and twenty-seven were found to be in violation. Corrective action such as sealing or controlling was successfully accomplished in all cases of violation.

Five wells were drilled under the State-wide exploratory well drilling program, which is designed and programmed to provide subterranean

**Paving roads within the Panaewa Farmlot Subdivision, Hilo, Hawaii.**



hydrologic information and geologic information in selected areas. Three of the wells, on test, proved capable of producing potable water for domestic use. The other two showed quality results somewhat in excess of the public health standards for domestic use, but are usable for irrigation purposes.

In joint efforts with the Water Resources Research Center of the University of Hawaii and the U. S. Geological Survey, the Division carried out extensive tests of a new electrical resistivity method for locating groundwater supplies. Control tests were carried out at Mokuleia on the Island of Oahu, and field tests at Pohakuloa on the Island of Hawaii. An administrative report of the findings, submitted to the Department, indicated that results of the resistivity method conform to the known geo-hydrologic conditions of Mokuleia. The results further indicate that the electrical resistivity method has a potential of becoming a valuable tool in determining geo-hydrological conditions in some areas of the State. Additional subsurface investigations with this method are planned for Pohakuloa, Hawaii.

## FLOOD CONTROL

The Department of Land and Natural Resources has been designated the State Flood Control Agency and through this Division administers, plans, and conducts broad programs for flood control consisting of collection of data on flood damage, storm rainfall, and runoff; maintaining a general flood control plan initially completed by the Department in January 1963; coordinating all flood control programs and activities in the State in conformance with the general objectives of the approved State Flood Control Plan; compiling and disseminating information to political subdivisions and the general public on matters of master planning, zoning, and regulating areas subject to flooding; assisting State agencies and political subdivisions in preparation of applications for Federal aid; and reviewing plans for flood control projects to be submitted for Federal assistance.

Staff of the Division have worked closely with county agencies and with community organizations in coordinating all flood control activities in the State. Primary emphasis has been placed on educating the public and the county agencies on flood plain zoning. The U. S. Army Corps of Engineers and the U. S. Geological Survey have provided assistance in preparing flood plain information reports, which point out the flood hazards, and recommend corrective action necessary to minimize damage caused by flooding conditions. Such flood plain studies have been completed for Hanalei Valley, Kauai; Kaumana-Punahoa area, Hawaii; and for East Molokai. At the request of the Division, similar studies are in progress at Pupukea-Paumalu, Oahu; Kihei, Maui; Koloa-Poipu, Kauai; and Anahola, Kauai. The U. S. Geological Survey has just completed a study of Kahaluu Valley on



Recording electrical resistivity readings during tests of a method for determination of groundwater supplies.



A completed Flood Control Channel protecting residences in Naalehu on the Island of Hawaii, installed under the Naalehu Watershed Project.

—Soil Conservation Service Photo

the Island of Oahu, and are presently preparing reports on the Waiahole-Waikane area, Makaha Valley, and Waimanalo Valley on Oahu.

The Division is continually up-dating the General Flood Control Plan for the State, and concurrently maintains a continuing State-wide priority listing of flood control projects requiring Federal assistance.

A complete file is maintained on flood damage in the State of Hawaii. The file includes news reports, reports from other government agencies, and reports of actual damage surveys conducted by staff of the Division. Immediately following any flood occurrence in the State, the Division staff, in cooperation with State and County Civil Defense agencies, the U. S. Army Corps of Engineers, and the 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.

The Division, in cooperation with the U. S. Geological Survey, plans and maintains a network of river and stream crest-stage stations to measure peak flows of flood waters. There are approximately 100 stations in operation throughout the State at the present time. Basic data collected from these stations is collated and published in an annual progress report.

A total of six flood control projects have been brought to completion during the past biennium with Federal assistance offered by the Corps of Engineers under Public Law 685 or by the Soil Conservation Service under Public Law 566. Two projects are presently under construction, and ten are in study or planning phases.

The final planning of the Kahaluu Watershed Project on Oahu, the Kona Watershed Project, Hawaii, and the Honolua Watershed Project on Maui are being accelerated by the Division through a contribution of \$20,000 under a trust fund agreement with the Soil Conservation Service. The Division rendered additional service to the Kahaluu Project by providing the topographic survey work necessary to the development of detailed plans.

## MINERAL RESOURCES

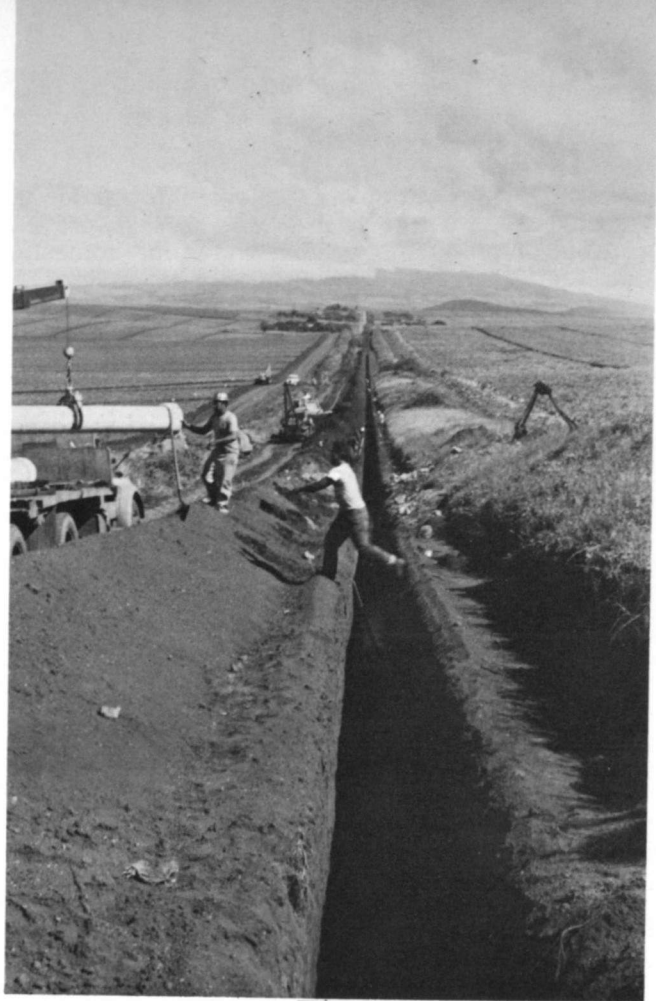
The Division administers a cooperative agreement with the U. S. Bureau of Mines for canvassing the production of mineral products in the State. This information is reported annually in the Minerals Yearbook published by the Bureau. The principal products reported under this survey include cement, lime, pumice (volcanic cinder), sand and gravel, stone, gem stones, (black coral, Pele's Tears, Maui Moon Stone, and Hawaiian Olivine), clay, and salt. Also included in the listing is decorative rock such as moss rock and lava rock.

The Division also provides technical assistance on all matters concerning mineral resources and maintains an up-to-date listing of mineral producers in the State.

## WATER DEVELOPMENT

The development of water resources for irrigation and domestic use and the construction of distribution systems comprise one of the most important functions of the Division.

One of the major projects currently under consideration is the Kokee Water Project on the Island of Kauai. This is a \$20 million project which is planned to provide irrigation water to State lands in the Kekaha area of Kauai, and to develop hydro-electric power for the island. Fish and Game facilities and other recreational improvements are to



Installing 12-inch transite pipe for the distribution of irrigation water in the Hoolehua District, Island of Molokai.

be included in the proposed development of a large storage reservoir on the Kawaiikoi Stream. An economic feasibility study of the project, prepared by the Division with the assistance of the U. S. Bureau of Reclamation, shows an overall benefit/cost ratio of 1.44:1. A special bill has been introduced in Congress, which if passed, will allow the State to obtain Federal loans for construction of this major project.

Another major project which has been developed in part during the past two years is the Molokai Irrigation System. This project has been financed in part by a loan of \$4.5 million from the Bureau of Reclamation, and in part by State funds. The total cost of the completed project is estimated at approximately \$9.9 million. Major efforts during the biennium were directed towards development of the transmission and distribution systems, and approximately 10 miles of the distribution net is complete. Contracts have been executed with the California Packing Corporation and with Libby, McNeill and Libby for delivery of irrigation water on their pineapple lands in the Kualapuu and Hoolehua Districts of the island.

The Division continued to play a significant role in the development of water sources and transmission lines to serve the domestic water needs in Kawaihae and Kona areas on the Island of Hawaii, and has made a major contribution in developing a plan for water development for South



**Roads and other utilities developed for the Diamond Head Residential Subdivision, Island of Oahu.**

Kohala-Hamakua, Hawaii. These efforts have served to encourage the general economic growth in these areas.

## LAND DEVELOPMENT

The Division assisted other Divisions of the Department, and most particularly the Division of Land Management in providing the engineering services necessary to open up houselot subdivisions on State lands in Waikeolu on the Island of Maui; Weliweli on the Island of Kauai; Waiakea, University Heights and Lalamilo on the Island of Hawaii; and Diamond Head on the Island of Oahu. In addition, a sewage system was planned and construction is being administered to serve the State's Wailua Resort Development on the Island of Kauai, and bids have been opened for construction of a sewage treatment plant planned for Waimanalo on the Island of Oahu.

This sewage treatment plant is the first phase in a planned development of a complete sewage system to serve the needs of the Waimanalo Core Development Project. Future stages of the project will include installation of interceptor lines, pumping stations, and effluent disposal facilities. In connection with the planning and development of this project, the Division is conducting tests cooperatively with the University of Hawaii, the

State Department of Health, the City and County Sewers Division, the Honolulu Board of Water Supply, and the U. S. Geological Survey, for disposal of the effluent from the treatment plant through injection into deep wells in the area. This unique method of disposal, if found practicable, can provide substantial savings to the State over the alternative method of disposal through long outfall into the ocean. A major source of concern in these tests is the necessity to preclude the possibility of pollution of the offshore reefs and beaches of Waimanalo and the potable groundwater basin in the Waimanalo area.

## IRRIGATION SYSTEMS

The Waimanalo Irrigation System operated by the State since 1953, serves ninety-six customers who irrigate a total of 905 acres throughout the year. The total water sales for the biennium exceeded 200 million gallons, with 1966 showing a substantial increase in demand over the previous period.

Although weather conditions during the year 1965 were generally unfavorable for growing crops, efficient field operations and good conservation methods were practiced by the farmers. The Lalamilo Irrigation System completed its fifth year of operations. Twenty-five diversified truck farms are presently occupied in that farming area. The acreage under cultivation increased from 140 to 180 acres during the period, and the average sale of water is approximately 106 million gallons per year.

A severe drought affected farming and ranch operations in the South Hawaii area in 1965. The available water in the sixty-million-gallon State reservoir, constructed to serve the irrigation system, was temporarily diverted to provide domestic water to the communities of Kawaihae, Waimea, and Honokaa. The Division personnel at Lalamilo assisted the Hawaii County Board of Water Supply and the Hawaii Civil Defense agency in laying emergency pipelines during the drought period.

**Pouring concrete during construction of sludge beds for the Wailua Resort Sewage Treatment Plant, Wailua, Kauai.**



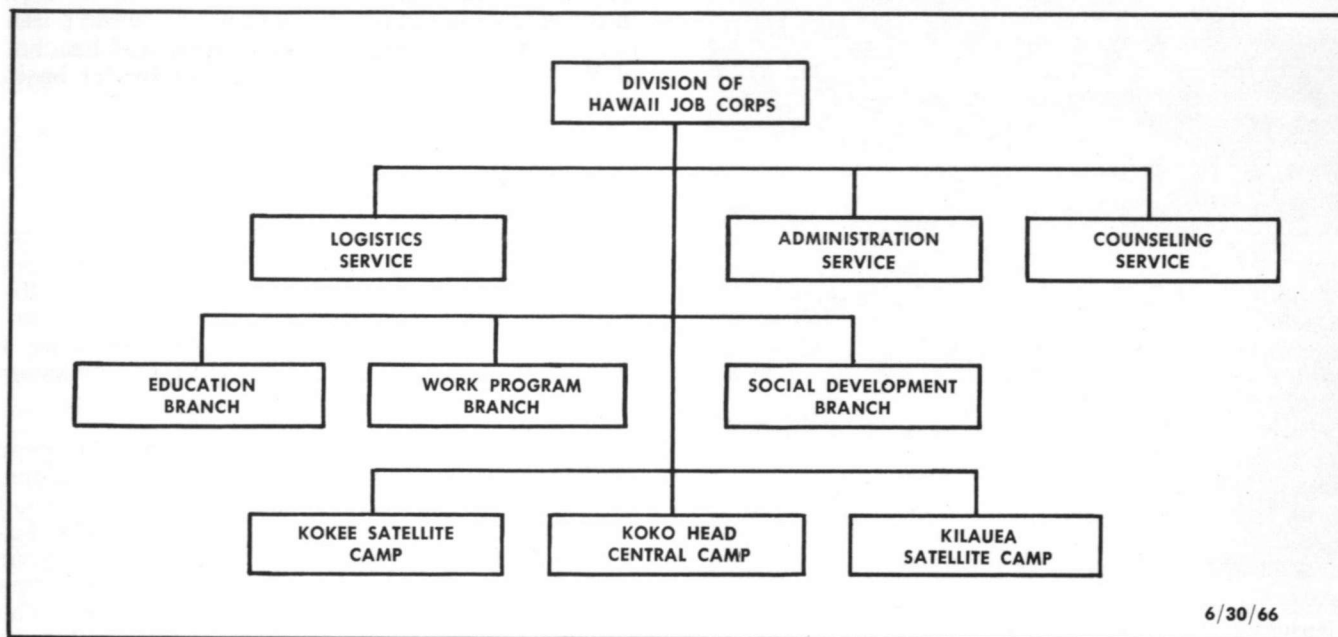


SECTION 8

## DIVISION OF HAWAII JOB CORPS

ALEXANDER N. KAHAPEA, Director

### ORGANIZATION CHART—HAWAII JOB CORPS



The primary mission of the Hawaii Job Corps is to provide disadvantaged young men within the State an opportunity to acquire economic skills and social attitudes necessary to become useful and productive members of the community. The programs established by the Corps are aimed at those who need a major change of environment and individual help to develop their talents, self-confidence, and the motivation to improve themselves.

The major objectives of the Job Corps, within the scope of this broad mission, are to provide the Corpsmen-enrollees with the basic education and work skills which will enable them to successfully compete in the work market, and with the social ability to become respected members of the general community.

The function of the education program is to provide each Corpsman with an individualized course of instruction and training in academic and vocational skills areas. The essential core of the program includes remedial instruction in reading, mathematics and general studies including history, geography and government; plus general introduction and training in a selected number of occupational areas such as automotive, culinary, building trades and clerical. The Corpsman's time is divided between instruction and work experience alternating on a weekly basis. They are instructed on an

individual basis and allowed to advance at their own rate of learning.

The work program is focused on providing useful work experience in the fields of conservation, forestry, landscaping, and construction, which involve the use of hand tools, power tools, and heavy equipment. The basic program also provides Corpsmen with skills, work attitudes, and work habits



Typing instruction is offered to Hawaii Job Corps Trainees in the Work-Training program.

which will qualify them for satisfactory employment after separation.

The social development program is the third functional area of the Hawaii Job Conservation Corps in dealing with the Corpsmen. It has basically three major areas of responsibility. First is to plan and implement a broad community relations program for the Corpsmen. Second is to establish a meaningful residential program to provide opportunities for Corpsman leadership experience, and third, to organize and stimulate an avocational program providing Corpsmen with opportunities to participate in physical education, physical training, and recreational activities.

## ADMINISTRATION

The Job Corps program is a part of the national War on Poverty declared by President Johnson, and supported by the Congress of the United States through passage of the Economic Opportunity Act of 1964. The broad programs initiated under the provisions of this Act are administered at the federal level by the Office of Economic Opportunity.

The Hawaii Job Corps Conservation Center was established under a contract between the State of Hawaii, through its Department of Land and Natural Resources, and the Office of Economic Opportunity. This contract provides for development of a Conservation Center consisting of the Koko Head Camp on the Island of Oahu, and for two satellite camps; Kokee Camp on the Island of Kauai, and Kilauea Camp on the Island of Hawaii. The Center is programmed to build up to a population of 250 Corpsmen in the three camps.

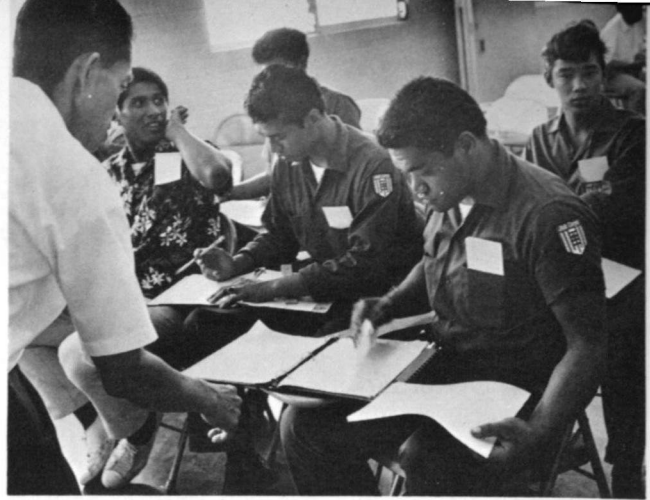
The Hawaii Job Corps Conservation Center and the programs conducted therein, are administered within the State by the Chairman of the Department of Land and Natural Resources. The Hawaii Job Corps functions administratively as an operating Division of the Department.

Mr. Ralph E. Jordan was appointed on December 16, 1965, as the first Director of the Hawaii Job Corps Conservation Center. He carried the immediate responsibility for the basic organization and initial staffing of the Center. Mr. Jordan resigned his position for reasons of health on June 10, 1966, and was succeeded by Mr. Alexander N. Kahapea.

## LEGISLATION

The Congress of the United States, in August 1964, passed Public Law 88-452, known as the Economic Opportunity Act of 1964. This Act authorized the establishment of a Job Corps to provide work-training and work-study programs for the disadvantaged youth of the nation. A federal Office of Economic Opportunity was established in Washington, D. C., to administer and implement the programs authorized in the Act.

The existence of the Hawaii Job Corps Conservation Center is authorized by Contract OEO-648 between the Department of Land and Natural Resources on behalf of the State, and the Office of



Classroom instruction for Hawaii Job Corps Trainees is individualized, and is presented in small group sessions by qualified instructors.

Economic Opportunity. The Contract provides for a Conservation Center consisting of the Koko Head Camp on the Island of Oahu, and two satellite camps at Kokee and Kilauea. The contract obligates the Office of Economic Opportunity to provide funds to the State of Hawaii for implementation of Job Corps programs in the State.

The Department of Land and Natural Resources administers the Hawaii Job Corps Conservation Center on behalf of the State.

## OPERATIONS

### CENTER DEVELOPMENT

Development of the Hawaii Job Corps Conservation Center was initiated immediately following execution of the contract between the State and the Office of Economic Opportunity. A basic staff was assembled and formed into Task Force Groups for planning and establishing the Center facilities, and for developing and implementing the work and educational programs for the Corpsmen. A number of key staff personnel were sent on orientation trips to Washington, D. C., and to various Job Corps Centers on the U. S. Mainland.

Extensive efforts were expended in hiring and training the full staff for the Center, in planning and procuring supplies, furniture, equipment, and vehicles; in contracting for renovation of old Army quonset buildings on the Center site at Koko Head; and in the construction of new living and classroom facilities. The Education, Work Experience, Social Development, and Counseling-Guidance programs were formulated and approved for implementation. Definite steps were taken toward the establishment of good working relations with all segments of the community.

The main Center camp at Koko Head, and the basic training staff were ready to accommodate and train the initial group of enrollees by the middle of April 1966. The first trainees for the Center were fifteen youths who volunteered to return to Hawaii from various Mainland Centers to which they had been assigned for training, to assist in the activation of the Hawaii Job Corps Conser-

vation Center. They were received at the Koko Head Camp on April 22, 1966.

On May 21, 1966, forty-three new recruits for the Job Corps program were sworn in at the Governor's Office at Iolani Palace. Following this impressive ceremony, the enrollees were processed through the Center facilities at Koko Head.

## TRAINING

A total of sixty-nine Corpsmen were in various phases of training on June 30, 1966, the end of the reporting period. Only one Corpsman had completed his training and had been graduated from the Job Corps Center programs. It should be noted that this program did not reach the active training phase until some time in April 1966, and there had not been time to complete the training even of those Corpsmen transferred from other Centers on the U. S. Mainland.

The initial educational program for the Corpsman is aimed at providing the trainee with sufficient ability to read and write to allow him to gain and hold a job. The intermediate goal of the program is to motivate the trainee to a higher educational goal—a high school diploma. All Corpsmen are enrolled in a driver education program, with driver training extended only to advanced students.

The objectives of the work program are to provide useful work experiences for the Corpsmen in the fields of conservation, forestry, and on other projects of permanent value to the community. Participation in these projects requires knowledge of skills in the fields of masonry, carpentry, plumbing, electricity, welding, and landscape planting. In the assignment of Corpsmen to individual tasks, every effort is made to match task requirements with Corpsman's desires, and at the same time, to insure that the training is compatible with the training received in the Educational programs. These assignments are coordinated with the Counseling-Guidance services.

The initial work program has emphasized improvement and beautification of the Koko Head Camp. This priority was based on the need to provide an environment conducive to meeting the aims of the Job Corps. Within the immediate program, the Corpsmen have been engaged in planning and constructing concrete walkways in the camp areas, clearing overgrown grass, shrubs and trees, clearing and improving drainage ditches, and in landscape plantings. A plant nursery has been started, and plans are in preparation for development of a fruit orchard and vegetable garden. Water lines have been installed for a lawn sprinkler system and to provide water to landscaped areas.

Formal liaison has been established with the National Park Service, with the Forestry, Fish and Game, and State Parks Divisions of the Department, and with the Parks Division of the City and County of Honolulu, to aid in establishing useful

and productive work-training projects at the Koko Head Camp, and at the two satellite camps at Kokee and Kilauea. Requests for the equivalent of more than 70,000 mandays of project work have been received from these agencies. Suitable projects will be selected from these project requests for inclusion within the work programs of the Hawaii Job Corps Conservation Center.

## SOCIAL DEVELOPMENT

The Social Development program of the Center is concerned with three general areas of responsibility. These include the development of effective Community Relations, a Residential Program, and Recreational Program for the enrollees.

A fundamental consideration in the development of Community Relations is to prevent the Center from becoming institutionalized to the degree that it assumes an air of an establishment existing separately, or apart, from the overall community. Occasions for active participation of Corpsmen in community-related programs are designed, not only to fulfill social-recreational needs, but also to arouse within them a sense of relatedness, identification, and pride in all segments of the community. Job Corps social dances, to which community youngsters of the same age range have been invited, have already been sponsored with encouraging results. Community church-sponsored activities to which Corpsmen are invited have also proved very successful.

An imaginative residential program has been established to stimulate the social and leadership development of the Corpsmen. This program is structured to provide opportunities for meaningful social rapport among the Corpsmen and particularly for development of leadership qualities in them. Each dormitory is assigned a Dorm Leader and Assistant, who are given responsibilities commensurate with their abilities and maturity. The position of Dorm Leader is open to all Corpsmen, but must be earned by creditable performance in all phases of the Center programs.

The Recreational and avocational program of the Center includes physical education, physical training, competitive athletics, and non-vigorous recreational activities, including arts and crafts, music, and hobbies. Every Corpsman is being taught recreational skills, physical fitness attitudes and practices, and most particularly is being exposed to the total philosophy of recreation. In today's world, the effective use of leisure time is as important as is the efficiency of work.

Competitive sports tournaments were organized with excellent results. Recognition resulted for all who participated, and especially for those who excelled. A Field Day, devoted to competitive athletics and fun activities, was held with outstanding success. Trips to nearby beaches for picnics and swimming and to nearby mountains have been very rewarding recreational experiences.



# SECTION 9

## APPENDICES TO THE REPORT OF THE DEPARTMENT OF LAND AND NATURAL RESOURCES 1964 - 1965

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

### PERSONNEL OFFICE

Table 1. PERSONNEL EMPLOYED BY DIVISIONS AND ISLANDS  
As of September 1964 and June 1966

DIVISIONS	I S L A N D S											
	Oahu		Kauai		Maui		Hawaii		Molokai & Lanai		TOTAL	
	1964	1966	1964	1966	1964	1966	1964	1966	1964	1966	1964	1966
Departmental Administration and Staff Offices	22	27	....	....	....	....	....	....	....	....	22	27
Conveyances	36	34	....	....	....	....	....	....	....	....	36	34
Fish and Game	27	25	5	5	2	4	12	11	4	4	50	49
Forestry	18	17	15	15	13	11	36	30	3	3	85	76
Land Management	20	19	2	2	2	2	4	4	....	....	28	27
State Parks	10	11	34	41	4	7	10	14	....	....	58	73
Water and Land Development	52	47	1	1	....	....	6	4	1	1	60	53
Hawaii Job Corps Center	....	44	....	4	....	....	....	....	....	....	....	48
TOTAL	185	224	57	68	21	24	68	63	8	8	339	387

Table 2. CLASSES OF WORK IN THE DEPARTMENT OF LAND AND NATURAL RESOURCES AS OF  
JUNE, 1966

CLASS TITLE	SR	CLASS TITLE	SR	CLASS TITLE	SR
<b>CLERICAL AND ALLIED</b>		Office Manager II	18	Wildlife Biologist V	25
Clerk I	4	Accountant I	15	Game Management Assistant I	8
Clerk II	7	Accountant III	21	Game Management Assistant II	10
Typist I	5	Departmental Fiscal Officer I	25	Game Management Assistant III	13
Typist II	7	Land Transactions Assistant	12	Fisheries Station Biologist	17
Typist III	10	Land Transactions Analyst	19	Aquatic Biologist I	14
Stenographer II	9	Land Agent I	20	Aquatic Biologist II	16
Stenographer III	11	Land Agent II	21	Aquatic Biologist III	20
Clerk Stenographer I	7	Supervising Land Agent	26	Aquatic Biologist IV	25
Clerk Stenographer II	9	Irrigation District Manager I	15	Fish and Game Conservationist	28
Legal Stenographer I	14	Irrigation District Manager II	17	Forester I	14
Legal Stenographer II	16	Abstractor I	15	Forester II	16
Secretary	14	Abstractor and Hawaiian Translator	17	Forester III	22
Secretary to the Deputy Director	16	Abstract Maker	19	State Forester	27
Private Secretary to the Department Head	18	Deputy Registrar of Conveyances	23	Park Historian	17
Account Clerk I	8	Registrar of Conveyances	25	Parks Planning and Development Specialist	21
Account Clerk II	10	Land Court Document Registrar	21	State Parks Director	27
Cashier I	10	District Ranger	20	Land Zoning Forester	22
Statistics Clerk	10	Agricultural Land Use Specialist	21	Timber Survey Forester	19
Personnel Clerk	12	Land Management Analyst	23	Service Forester	19
Title Certificate Writer	11	Land Management Program Administrator	29	Forest Ecologist	22
Abstracting Assistant	13	Planning and Development Coordinator	29	Geologist	25
Land Document Digest Maker	12	Resources Economist	23		
Land Court Document Checker	9	Natural Resources Program Planning Coordinator	29	<b>ENGINEERING AND ALLIED</b>	
Land Court Document Receiving Clerk I	16	Planner V	25	Civil Engineer II	19
Land Court Document Receiving Clerk II	17	Associate Planner	23	Civil Engineer III	21
Land Document Receiving Clerk I	17	Departmental Personnel Officer I	23	Civil Engineer IV	23
Land Document Receiving Clerk II	18			Civil Engineer V	25
Land Document Indexing Supervisor	21	<b>BIOLOGICAL AND PHYSICAL SCIENCES</b>		Civil Engineer VI	27
Public Land Document Receiving Clerk	13	Science Assistant	7	Civil Engineer VII	29
Duplicating Machine Operator I	5	Wildlife Aid	7	Civil Engineer VIII	31
Supervising Duplicating Machine Operator	11	Wildlife Biologist I	14	Land Surveyor IV	23
<b>MANAGEMENT STAFF &amp; ALLIED</b>		Wildlife Biologist II	16	Hydraulic Engineer	23
NYC Program Administrator	21	Wildlife Biologist III	19	Engineering Aid I	7
		Wildlife Biologist IV	20	Engineering Aid III	14
				Engineering Aid IV	17
				Engineering Draftsman I	12

CLASS TITLE	SR	CLASS TITLE	SR	CLASS TITLE	SR
Engineering Draftsman II	16	General Labor Foreman	9	Plumber Helper	7
Engineering Draftsman III	19	Park Caretaker	7	Plumber	12
<b>REGULATORY, ENFORCEMENT AND PUBLIC SAFETY</b>		Park Maintenance Foreman I	11	Mason	12
Fish and Game Warden I	15	Park Maintenance Foreman II	13	General Construction and Maintenance Foreman I	16
Fish and Game Warden II	17	Park Maintenance Foreman III	15	Automotive Mechanic	12
Fish and Game Warden III	19	Park Maintenance Superintendent	21	Aquarist I	9
Supervising Fish & Game Warden	22	Nurseryman I	8	Tractor Operator	6
Forest Ranger I	11	Nurseryman II	10	Truck Driver-Laborer	6
Forest Ranger II	13	Nurseryman III	12	Bulldozer Operator-Laborer	7
<b>LABORING, CUSTODIAL AND DOMESTIC SERVICES</b>		Hawaiian Goose Propagation Assistant	10	Bulldozer Operator I	9
General Laborer I	4	Janitor II	4	Equipment Operator II	7
General Laborer II	5	<b>TRADES, EQUIPMENT OPERATION AND ALLIED</b>		Equipment Operator III	10
General Laborer III	7	Carpenter Helper	7	Equipment Operator IV	12
		Carpenter I	11	Powderman	11

## DIVISION OF CONVEYANCES

**Table 1. NUMBER OF DEEDS, FILED AND RECORDED, APPROXIMATE VALUE OF LAND CONVEYED AND TOTAL FILING AND RECORDING FEES RECEIVED BY THE BUREAU OF CONVEYANCES FROM 1956 TO 1966.**

Fiscal Year	Number of Deeds Filed and Recorded	Approx. Value of Land Conveyed	Total Filing and Recording Fees Received
1956.....	8,169	\$ 60,118,500.00	\$198,921.70
1957.....	8,423	58,049,500.00	188,092.70
1958.....	8,364	63,845,500.00	211,793.35
1959.....	9,440	112,377,000.00	267,143.20
1960.....	10,077	121,464,000.00	292,247.43
1961.....	9,481	119,661,400.00	270,033.95
1962.....	9,045	109,942,500.00	279,283.70
1963.....	11,061	101,987,000.00	317,092.90
1964.....	11,680	102,232,000.00	360,685.90
1965.....	12,175	101,482,100.00	412,870.40
1966.....	12,799	133,301,000.00	416,190.85

**Table 2. DOCUMENTS RECORDED AND FILED AND LAND COURT CERTIFICATES OF TITLE ISSUED BY THE BUREAU OF CONVEYANCES FROM 1956 TO 1966.**

Fiscal Year	Documents Recorded and Filed			Land Court Certificates of Title Issued
	Total	Regular System	Land Court System	
1956.....	39,422	25,346	14,076	3,748
1957.....	37,500	24,265	13,235	3,270
1958.....	40,536	26,132	14,404	3,293
1959.....	50,875	29,422	21,453	4,235
1960.....	52,243	32,455	19,788	4,270
1961.....	48,529	32,039	16,490	3,817
1962.....	52,013	35,416	16,597	3,524
1963.....	58,803	40,211	18,592	4,619
1964.....	67,004	42,273	24,731	5,884
1965.....	76,033	47,190	28,843	5,698
1966.....	77,011	46,640	30,371	6,000

**Table 3. RECEIPTS AND DISBURSEMENTS OF THE BUREAU OF CONVEYANCES FROM 1956 TO 1966**

Fiscal Year Ending June 30	Receipts			Disbursements		
	Total	Regular System	Land Court System	Total	Regular System	Land Court System
1956.....	\$ 198,941.60	\$ 145,984.90	\$ 52,946.70	\$ 180,725.80	\$ 103,759.68	\$ 76,966.12
1957.....	188,617.10	139,349.70	49,367.40	178,565.71	107,905.61	70,660.10
1958.....	211,793.35	144,281.20	67,512.15	199,646.03	119,547.44	80,098.59
1959.....	267,143.20	170,809.65	96,333.55	201,031.28	118,092.07	82,939.21
1960.....	290,061.13	197,467.68	92,593.45	229,428.72	140,430.33	88,998.39
1961.....	270,033.35	190,339.80	79,693.55	240,162.33	151,859.96	88,302.37
1962.....	279,283.70	202,179.05	77,104.65	241,078.16	147,697.94	93,380.22
1963.....	314,485.90	223,718.50	90,767.40	257,510.97	155,804.07	101,706.90
1964.....	357,938.40	238,491.10	119,447.30	236,623.99	149,042.46	87,581.53
1965.....	408,619.55	281,414.75	127,204.80	208,090.75	109,908.77	98,181.98
1966.....	412,919.30	278,451.40	134,467.90	244,667.91	133,111.94	111,555.97
Ten year total.....	\$3,199,836.58	\$2,212,487.73	\$987,448.85	\$2,417,531.65	\$1,437,150.27	\$980,371.38



**Table 4. VALUE OF PROPERTY TRANSFERS IN THE STATE OF HAWAII, BY COUNTIES, 1957-1966<sup>(1)</sup>**

	Maui		Honolulu		Hawaii		Kauai		State of Hawaii
	% of State	Amount	% of State	Amount	% of State	Amount	% of State	Amount	
1966.....	6.13	\$8,173,500	81.38	\$108,486,500	9.77	\$13,029,500	2.71	\$3,611,500	\$133,301,000
1965.....	5.56	5,647,000	78.93	80,103,200	12.54	12,722,400	2.97	3,009,500	101,482,100
1964.....	7.63	7,802,500	83.37	85,231,235	7.75	7,923,200	1.25	1,275,100	102,240,035
1963.....	3.50	3,569,500	81.00	82,604,000	14.21	14,494,000	1.29	1,319,500	101,987,000
1962.....	2.46	2,719,500	87.96	97,231,500	8.55	9,452,000	1.03	1,139,500	110,542,500
1961.....	5.07	6,063,700	86.64	103,683,500	6.99	8,362,200	1.30	1,552,000	119,661,400
1960.....	2.50	3,036,500	90.06	109,392,000	6.45	7,835,000	0.99	1,200,500	121,464,000
1959.....	1.45	1,632,000	91.95	103,324,000	5.32	5,977,000	1.28	1,444,000	112,377,000
1958.....	3.67	2,342,000	88.94	56,781,000	4.91	3,136,000	2.48	1,586,500	63,845,500
1957.....	2.48	1,442,000	92.47	53,671,500	4.04	2,347,500	1.01	588,500	58,049,500
% Change 1957-66		466.75	....	102.13	....	455.04	....	513.68	129.63

<sup>(1)</sup>Includes only sales of property. Does not include bequests, gifts, etc.

<sup>(2)</sup>Fiscal 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 1955-56 TO 1965-66**

Years Ending June 30	Freshwater Game Fishing		Hunting	
	Number Issued	Collections (dollars)	Number Issued	Collections (dollars)
1955-1956 .....	2,288	\$ 4,911.37	4,742	\$22,832.57
1956-1957 .....	2,595	5,402.41	5,179	24,942.25
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

**Table 2. COLLECTIONS—ALL SOURCES: 1961-62 TO 1965-66**

Years Ending June 30	All Collections	Commercial Fishing	Freshwater Game Fishing	Hunting	Misc. Licenses, Permits, and Other Income
1965-66.....	\$78,735.43	\$ 9,937.00	\$11,932.48	\$50,275.13	\$ 6,590.82
1964-65.....	60,903.57	10,078.00	9,385.87	37,228.57	4,211.13
1963-64.....	63,605.81	11,223.25	11,225.75	38,180.00	2,976.81
1962-63.....	68,128.14	11,057.90	8,983.57	34,441.65	13,645.02
1961-62.....	57,158.54	12,761.51	8,824.01	33,897.72	1,675.30

**Table 3. COMMERCIAL FISHING LICENSES**

Kind of License	1964-65		1965-66	
	Number	Fees	Number	Fees
Total .....	1171	\$10,078	1136	\$9,937
Commercial Fishing				
Resident .....	717	7,170	715	7,150
Non-resident .....	3	60	....	....
Powerboat Permit.....	359	2,659	343	2,625
Rowboat and sailboat.....	28	29	22	22
Boat Plates (pair).....	64	160	56	140

**Table 4. FRESHWATER GAME FISHING LICENSES**

County where issued	Total		Resident		Juvenile		Other	
	No.	Amount (dollars)	No.	Amount (dollars)	No.	Amount (dollars)	No.	Amount (dollars)
<b>1964-1965</b>								
The State .....	4,357	\$9,385.87	3,632	\$8,634.74	691	\$658.24	*34	\$92.89
Hawaii .....	151	311.97	112	272.74	38	36.85	1	2.38
Honolulu .....	3,548	7,862.60	3,108	7,388.78	410	390.44	*30	83.38
Kauai .....	610	1,137.24	389	925.76	220	209.10	1	2.38
Maui .....	48	74.06	23	47.46	23	21.85	2	4.75
*5 Non-resident Licenses—All others Tourist Licenses								
<b>1965-1966</b>								
The State .....	3,743	\$11,932.48	3,094	\$10,954.20	626	\$890.65	*23	\$87.63
Hawaii .....	145	438.03	101	367.16	42	59.62	2	11.25
Maui .....	12	25.42	5	15.43	7	9.99	....	....
Honolulu .....	2,976	9,751.52	2,596	9,174.77	365	519.37	15	57.38
Kauai .....	610	1,717.51	392	1,396.84	212	301.67	6	19.00

\*2 Non-resident Licenses—All others Tourist Licenses

**Table 5. MISCELLANEOUS FISHING LICENSES, PERMITS AND SALES**

Type	1964-65		1965-66	
	Number	Fees	Number	Fees
Total .....	171	\$3036.53	165	\$410.58
Mullet License.....	69	355.00	70	292.50
Lobster License.....	11	27.50	11	17.00
Commercial Bait Permit.....	47	47.00	44	44.00
Clam License.....	1	5.00	....	....
Sale of Confiscated Fishing Gear.....	3	6.25	....	....
Duplicate Game Fishing License.....	39	21.03	40	19.33
Duplicate Commercial Fishing License.....	1	.50	....	....
Sale of Tilapia Bait.....	....	2574.25	....	37.75

**Table 6. HUNTING LICENSES**

County where issued	Number of Licenses			Collection (dollars)		
	Total	Resident	Non-Resident	Total	Resident	Non-Resident
<b>1964-1965</b>						
The State .....	7,613	7,484	129	\$37,228.57	\$35,975.57	\$1,253.00
Hawaii .....	2,061	1,981	80	10,408.50	9,628.00	780.00
Honolulu .....	3,041	3,002	39	14,764.25	14,387.75	376.50
Kauai .....	988	983	5	4,742.50	4,694.00	48.50
Maui .....	1,523	1,518	5	7,313.32	7,265.82	47.50
<b>1965-1966</b>						
The State .....	6,903	6,773	130	\$50,275.13	\$48,418.63	\$1,856.50
Hawaii .....	1,790	1,701	89	13,483.99	12,218.49	1,265.50
Maui .....	1,579	1,575	4	11,147.60	11,089.85	57.75
Oahu .....	2,663	2,631	32	19,332.96	18,870.96	462.00
Kauai .....	871	866	5	6,310.58	6,239.33	71.25

**Table 7. MISCELLANEOUS GAME LICENSES, SALES, DONATIONS AND RENTALS**

Type	1964-65		1965-66	
	Number	Fees	Number	Fees
Total .....	774	\$1,174.60	566	\$6,180.24
Gamebird Farm License.....	24	24.00	32	32.00
Sale of Publications .....	87	34.50	88	36.25
Duplicate Hunting License.....	335	163.15	275	136.49
Sale of Confiscated Hunting Gear.....	20	337.95	....	33.50
Donations (Koloa Fund).....	....	....	....	5600.00
Rental of Hunting Cabins—Hawaii.....	308	615.00	171	342.00

**Table 8. MISCELLANEOUS PERMITS (No Charge)**

Type	1964-65	1965-66
Permit for Destruction of Wild Birds Injurious to Crops.....	10	10
Scientific Collecting Permit.....	20	20
Field Trial Permit (Hunting).....	7	6
Permit for Entry on Bird Sanctuaries.....	43	33
Aquarium Fish Permit.....	16	10
Permit to Use Fish Poison.....	1	....

**Table 9. FEDERAL AID FUNDS**

Type	1964-65	1965-66
Pittman-Robertson Federal Aid in Wildlife Restoration Fund.....	\$ 76,932.50	\$ 86,024.37
Dingell-Johnson Federal Aid in Fish Restoration Fund.....	53,689.22	62,716.74
Nene Restoration Project Fund.....	15,000.00	10,512.77
Hawaiian Islands National Wildlife Refuge Fund.....	3,283.37	1,493.45
Sub-Total .....	148,905.09	160,747.33
Commercial Fisheries, Research and Development.....	....	1,647.87
Total .....	\$148,905.09	\$162,395.20

**Table 10. COMMERCIAL FISH LANDINGS BY ISLAND, STATE OF HAWAII FOR PERIOD JULY, 1964 THROUGH JUNE, 1966**

Island	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
<b>1964-1965</b>						
Hawaii .....	1,874,612	\$ 349,171	3,873	\$ 1,657	1,878,485	\$ 350,828
Maui .....	785,242	151,088	....	....	785,242	151,088
Lanai .....	7,430	2,480	....	....	7,430	2,480
Molokai .....	10,381	4,899	1,321	925	11,702	5,824
Oahu .....	14,281,047	2,736,943	30,804	22,634	14,311,851	2,759,577
Kauai .....	197,721	85,756	....	....	197,721	85,756
TOTAL .....	17,156,433	\$3,330,337	35,998	\$25,216	17,192,431	\$3,355,553
<b>1965-1966</b>						
Hawaii .....	2,581,398	\$ 412,920	....	\$ .....	2,581,398	\$ 412,920
Maui .....	1,025,437	184,680	....	....	1,025,437	184,680
Lanai .....	7,731	3,177	....	....	7,731	3,177
Molokai .....	38,117	20,199	2,519	1,560	40,636	21,759
Oahu .....	12,094,602	2,604,834	21,860	10,869	12,116,462	2,615,703
Kauai .....	216,314	81,678	....	....	216,314	81,678
TOTAL .....	15,963,599	\$3,307,488	24,379	\$12,429	15,987,978	\$3,319,917

**Table 11. COMMERCIAL FISH LANDINGS BY MONTH, STATE OF HAWAII FOR PERIOD JULY, 1964 THROUGH JUNE, 1966**

Month	Sea Catch		Pond Catch		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
<b>1964</b>						
July .....	2,315,355	\$ 360,556	4,961	\$ 3,566	2,320,316	\$ 364,122
August .....	1,849,078	314,289	3,718	2,687	1,852,796	316,976
September .....	1,270,773	250,745	2,205	1,455	1,272,978	252,200
October .....	730,544	213,446	2,132	1,400	732,676	214,846
November .....	767,641	204,485	2,549	1,678	770,190	206,163
December .....	901,922	286,463	6,472	5,215	908,394	291,678
<b>1965</b>						
January .....	696,376	179,947	4,039	3,439	700,415	183,386
February .....	509,680	170,970	4,984	2,836	514,664	173,806
March .....	887,030	250,364	2,259	1,319	889,289	251,683
April .....	1,004,387	225,699	1,296	773	1,005,683	226,472
May .....	3,668,232	487,181	360	221	3,668,592	487,402
June .....	2,555,415	386,192	1,023	627	2,556,438	386,819
TOTAL .....	17,156,433	\$3,330,337	35,998	\$25,216	17,192,431	\$3,355,553
<b>1965</b>						
July .....	3,428,133	\$ 492,874	1,147	\$ 691	3,429,280	\$ 493,565
August .....	2,424,359	373,027	1,499	844	2,425,858	373,871
September .....	2,187,722	372,565	1,184	639	2,188,906	373,204
October .....	1,121,308	216,396	1,384	798	1,122,692	217,194
November .....	688,319	189,236	1,896	1,093	690,215	190,329
December .....	406,910	243,472	2,763	1,853	409,673	245,325
<b>1966</b>						
January .....	441,841	154,525	1,440	953	443,281	155,478
February .....	409,552	155,653	1,049	720	410,601	156,373
March .....	629,829	224,920	3,106	1,155	632,935	226,075
April .....	709,284	226,579	5,743	1,726	715,027	228,305
May .....	1,478,594	310,828	1,603	972	1,480,197	311,800
June .....	2,037,748	347,413	1,565	985	2,039,313	348,398
TOTAL .....	15,963,599	\$3,307,488	24,379	\$12,429	15,987,978	\$3,319,917

**Table 12. COMMERCIAL FISH CATCH BY SPECIES, STATE OF HAWAII FOR PERIOD JULY, 1964 THROUGH JUNE, 1966**

Sea Catch by Species	1964-65		1965-66	
	Pounds	Value	Pounds	Value
Aku (Skipjack) .....	13,565,887	\$1,730,049	12,573,542	\$1,699,936
Ahi (Yellowfin) .....	497,064	184,526	481,311	186,314
Ahipalaha (Albacore) .....	7,057	2,406	8,379	2,704
Ahi (Bigeye) .....	803,935	472,132	746,992	455,802
Kawakawa .....	15,467	2,188	17,892	2,128
Swordfishes (Misc.) .....	212	93	1,438	377
Stripe Marlin .....	519,739	134,072	264,991	99,091
Pacific Blue Marlin* .....	202,870	54,414	156,458	44,540
Black Marlin** .....	4,951	1,423	9,130	3,244
Broadbill .....	18,383	3,672	14,522	3,798
A'u lepe (Sailfish) .....	14,655	1,923	13,515	2,278
Mahimahi .....	72,024	41,802	88,001	44,408
Ono .....	39,191	7,924	24,323	4,838
Hapuupuu .....	27,222	11,323	20,229	8,974
Kahala .....	95,187	26,472	87,635	25,431
Kalekale .....	14,796	7,913	13,565	7,667
Omilu .....	3,633	2,075	2,114	1,098
Opakapaka .....	110,651	53,125	72,853	38,525
Uku .....	69,665	29,670	46,974	19,884
Ulaula (Ehu) .....	23,036	18,366	18,281	13,947
Ulaula Koa (Onaga) .....	69,964	63,695	64,091	63,613
Ulua .....	87,153	34,377	61,004	28,084
Weke-ula .....	16,264	10,025	14,034	8,656
Aawa .....	2,027	295	1,279	157
Aholehole .....	3,920	2,519	4,718	3,249
Akule .....	187,922	128,208	390,427	212,434
Hahalalu .....	55,539	40,816	223,954	94,701
Amaama (Mullet) .....	16,954	14,245	14,754	13,349
Awa .....	10,380	3,324	11,312	3,184
Aweoweo .....	5,023	1,929	5,079	1,742
Humuhumu (Hage) .....	1,582	422	1,652	473
Kaku (Barracuda) .....	3,056	597	2,322	558
Kala .....	30,278	4,425	26,115	3,223
Kawealea .....	6,031	2,600	7,505	2,578
Kumu .....	12,060	13,179	8,515	8,808
Laenihi (Nabeta) .....	1,440	898	1,381	864
Lehi .....	1,272	480	2,008	764
Maomao (Mamo) .....	3,028	1,160	2,295	914
Manini .....	9,244	4,566	7,391	3,725
Moano .....	18,057	10,639	12,590	7,399
Moi .....	11,808	10,321	22,057	19,272
Moelua .....	4,314	2,423	6,779	3,942



Sea Catch by Species (Continued)	1964-65		1965-66	
	Pounds	Value	Pounds	Value
Nenu	6,396	3,187	6,908	2,519
Nohu (Hogo)	1,369	855	1,141	607
Oio	23,635	5,848	33,163	9,527
Opelu	239,678	89,496	184,751	71,749
Palani	9,376	1,853	10,581	2,172
Pualu	8,787	1,535	7,093	1,424
Puhi (eel)	1,871	123	825	57
Puhi (white eel)	2,346	249	2,091	199
Uhu	4,961	1,480	5,077	1,582
Ukikiki (Gindai)	984	455	832	378
Uouoa	610	382	275	190
Uu (Menpachi)	17,526	11,470	8,473	5,848
Weke	66,652	27,507	58,854	21,637
Malu	2,628	1,646	1,344	803
Saba	2,951	1,175	398	183
Crab (Papai-Misc.)	1,475	374	3,997	1,654
Crab (Kona)	12,443	7,801	10,033	6,720
Crab (Kuahonu)	5,772	3,976	5,449	3,630
Crab (Moala)	2,605	1,157	1,427	642
Crab (Samoan)	15	15	2,319	1,039
Opae (Shrimp)	145	114	451	732
Ula (Lobster)	8,190	6,580	8,295	6,675
Ulapapapa	4	2	10	8
Hee (Octopus)	6,890	3,952	6,458	3,946
Muhee (True Squid)	8,745	3,228	3,218	965
Opihi (Limpet)	17,526	8,323	13,989	6,819
Honu (Turtle)	739	73	4,790	617
Misc.	39,173	10,770	27,950	8,493
<b>TOTAL</b>	<b>17,156,433</b>	<b>\$3,330,337</b>	<b>15,963,599</b>	<b>\$3,307,488</b>

Pond Catch by Species	1964-65		1965-66	
	Pounds	Value	Pounds	Value
Ulua	836	\$ 771	864	\$ 708
Aholehole	653	234	447	236
Amaama (Mullet)	13,119	12,701	1,596	1,585
Awa	10,239	5,230	15,607	6,575
Awaawa	2,397	742	497	176
Kaku	1,552	1,331	514	398
Moi	219	250	112	113
Oio	1,149	509	1,213	627
Crab (Papai-Misc.)	128	40	164	49
Crab (Kuahonu)	1,905	1,436	841	641
Crab (Moala)	2,001	822	11	3
Crab (Samoan)	1,164	916	242	183
Opae (Shrimp)	....	....	25	75
Clam (Olepe)	189	85	1,834	962
Misc.	447	149	412	98
<b>TOTAL</b>	<b>35,998</b>	<b>\$ 25,216</b>	<b>24,379</b>	<b>\$ 12,429</b>
<b>GRAND TOTAL</b>	<b>17,192,431</b>	<b>\$3,355,553</b>	<b>15,987,978</b>	<b>\$3,319,917</b>

\**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. FISHING AND HUNTING VIOLATIONS**

Type of Violations	No. of Violations		Type of Violations	No. of Violations	
	1964-65	1965-66		1964-65	1965-66
<b>FISHING VIOLATIONS</b>			<b>HUNTING VIOLATIONS</b>		
Lobster violations	52	12	Hunting without permit	15	5
Crab violations	1	4	Hunting without a license	3	20
Fishing with or possession of illegal mesh net/throw net	13	10	Firearm violations	9	11
Clam violations	7	10	Exceeding bag limit (bird)	....	1
Oyster violations	6	....	Exceeding bag limit (mammal)	2	1
Offering nehu for sale	....	1	Hunting Axis deer at night	1	2
Sea Mullet violations	13	18	Shooting doves during closed season	1	5
Unlawful possession of iao	....	1	Shooting protected wildbird	1	....
Fishing without permit	....	4	Hunting in GMA with dog	....	2
Fishing without freshwater license	2	1	Failure to display and produce hunting license	3	....
Fishing without commercial fishing license	1	....	Landing on bird sanctuary without permit	6	....
Possession of frog below legal size	3	....	Possession of untagged wild island goat	2	....
Possession of Chlorax on fishing craft	2	....	Taking and possession of game prior to open season	4	....
Using arrow gun below age 16	1	....			
<b>Total Fishing Violations</b>	<b>101</b>	<b>61</b>	<b>Total Hunting Violations</b>	<b>47</b>	<b>47</b>
			<b>TOTAL FISHING AND HUNTING VIOLATIONS</b>	<b>148</b>	<b>108</b>

**Table 14. ARRESTS AND DISPOSITIONS**

Subject	The State	Hawaii County	Honolulu County	Kauai County	Maui County
<b>1964-1965</b>					
Arrests .....	144	9	90	1	44
Number of Charges .....	148	9	92	1	46
Convictions .....	110	6	72*	1	31
Bail Forfeitures .....	17	....	10	....	7
Released to Juvenile Authorities .....	11	....	4	....	7
Released to Military Authorities .....	8	2	6*	....	....
Fines .....	25	2	5	1	17
Suspended Fines .....	32	2	29	....	1
Suspended Sentences .....	7	....	7	....	....
Split Fines (fines, suspended fines and suspended sentences) .....	46	2	31	....	13
Nolle Prosequi .....	6	1	4	....	1
<b>1965-1966</b>					
Arrests .....	90	5	60	7	18
Number of Charges .....	108	8	66	12	22
Convictions .....	78	8	57	9	4
Bail Forfeitures .....	8	....	4	....	....
Released to Juvenile Authorities .....	8	....	1	3	4
Released to Military Authorities .....	2	....	2	....	....
Fines .....	28	3	16	7	2
Suspended Fines .....	23	2	20	1	....
Jail Sentence .....	1	....	1	....	....
Suspended Sentences .....	6	1	3	2	....
Split Fines (fines, suspended fines, and suspended sentences) .....	25	3	20	....	2
Nolle Prosequi .....	4	....	....	....	4

\*Includes disposition of four (4) pending cases from 1963-64 (three convictions and one case referred to Military Authorities.

**Table 15. INCOME FROM ARRESTS**

Area	Fines	Bail Forfeitures	Suspended Fines
<b>1964-1965</b>			
The State .....	\$1590	\$470	\$2810
Hawaii County .....	50	....	85
Honolulu County .....	575	275	2125*
Maui County .....	950	195	600
Kauai County .....	15	....	....
<b>1965-1966</b>			
The State .....	1090	200	1610
Hawaii County .....	190	....	225
Honolulu County .....	685	....	1325
Maui County .....	135	100	50
Kauai County .....	80	100	10

\*Includes \$325.00 suspended fines from three (3) 1963-64 pending cases.

## DIVISION OF FORESTRY

**Table 1. FOREST INCOME**

(A) Fiscal Year 1964-65

Source	Kauai	Oahu	Molokai	Maui	Hawaii	Kamuela	Total
Nursery Sales .....	\$ 73.50	\$ 100.30	....	\$ 858.20	\$ 329.10	\$79.50	\$ 1,440.60
Sale of Products:							
Tree Fern Stumpage .....	....	....	....	....	3,873.15	....	3,873.15
Other .....	96.00	2,020.26	\$27.75	515.50	404.10	....	3,063.61
Rentals:							
Cabins and Barracks .....	....	....	....	285.00	2,006.92	....	2,291.92
Sale of Services .....	....	....	....	....	162.20	....	162.20
Total: Non-Federal .....	\$169.50	\$2,120.56	\$27.75	\$1,658.70	\$6,775.47	\$79.50	\$10,831.48
Federal Cooperation:							
Clarke-McNary, Sec. 2, Forest Fire .....							\$34,016.58
Clarke-McNary, Sec. 4, Forest Planting .....							3,000.00
Title IV Program, Reforestation .....							20,000.00
Agricultural Conservation Program .....							1,262.65
Cooperative Forest Management .....							8,617.83
Total: Federal Sources .....							\$66,897.06
GRAND TOTAL .....							\$77,728.54

<b>(B) Fiscal Year 1965-66</b>							
Nursery Sales .....	\$180.50*	....	....	\$ 79.00	\$ 117.85	\$244.50	\$ 621.85
Sale of Products:							
Timber Stumpage .....	....	....	....	....	1,461.80	....	1,461.80
Tree Fern Stumpage .....	....	....	....	....	4,436.81	....	4,436.81
Other .....	26.00	1,694.70	....	358.75	965.85	....	3,045.30
Rentals:							
Cabins and Barracks .....	....	....	....	511.50	1,530.89	....	2,042.39
Total: Non-Federal .....	\$206.50	\$1,694.70	....	\$ 949.25	\$8,513.20	\$244.50	\$11,608.15
Federal Cooperation:							
Clarke-McNary, Sec. 2, Forest Fire.....							\$35,690.02
Clarke-McNary, Sec. 4, Forest Planting .....							5,671.46
Title IV Program, Reforestation .....							30,000.00
Agricultural Conservation Program .....							2,500.00
Cooperative Forest Management.....							8,399.48
Total: Federal Sources .....							\$82,260.96
GRAND TOTAL .....							\$93,869.11

**Table 2. REFORESTATION PROGRAM IN FOREST RESERVES**

<b>(A) Fiscal Year 1964-65</b>						
Island and Type of Organization	Clearing Area (Acres)	Planting Area (Acres)	Trees (No.)	Replanting Area (Acres)	Trees (No.)	Road Construction (Miles)
Kauai:						
Division of Forestry.....	185	179	95,310	86	26,200	3.0
Total .....	185	179	95,310	86	26,200	3.0
Oahu:						
Division of Forestry.....	0	27	11,515	0	0	0
Total .....	0	27	11,515	0	0	0
Molokai:						
Division of Forestry.....	0	12	7,428	0	0	0
Boys Camp .....	38	73	47,054	83	50,369	0
Total .....	38	85	54,482	83	50,369	0
Maui:						
Division of Forestry.....	7	9	4,065	5	3,150	0
Total .....	7	9	4,065	5	3,150	0
Hawaii:						
Division of Forestry.....	276	820	321,321	102	10,130	0
Kulani Honor Camp.....	210	198	108,950	0	0	3.5
Private Contractors .....	560	0	0	0	0	10.0
Total .....	1,046	1,018	430,271	102	10,130	13.5
State:						
Division of Forestry.....	468	1,047	439,639	193	39,480	3.0
Institutional Camps .....	248	271	156,004	83	50,369	3.5
Private Contractors .....	560	0	0	0	0	10.0
Total .....	1,276	1,318	595,643	276	89,849	16.5
<b>(B) Fiscal Year 1965-66</b>						
Kauai:						
Division of Forestry.....	261	303	128,940	23	6,150	3.5
Total .....	261	303	128,940	23	6,150	3.5
Oahu:						
Division of Forestry.....	0	0	0	0	0	0
Total .....	0	0	0	0	0	0
Molokai:						
Division of Forestry.....	0	0	0	0	0	1.0
Boys Camp .....	9	40	59,865	22	21,127	0
Total .....	9	40	59,865	22	21,127	1.0
Maui:						
Division of Forestry.....	177	505	158,260	31	9,590	0
Private Contractors .....	402	0	0	0	0	0
Total .....	579	505	158,260	31	9,590	0
Hawaii:						
Division of Forestry.....	177	1,705	641,695	126	20,100	0.2
Kulani Honor Camp.....	45	0	0	0	0	1.7
Private Contractors .....	1,359	0	0	0	0	19.3
Total .....	1,581	1,705	641,695	126	20,100	21.2
State:						
Division of Forestry.....	615	2,513	928,895	180	35,840	4.7
Institutional Camps .....	54	40	59,865	22	21,127	1.7
Private Contractors .....	1,761	0	0	0	0	19.3
Total .....	2,430	2,553	988,760	202	56,967	25.7



**Table 3. ACRES PLANTED BY ISLANDS AND BY ORGANIZATIONAL UNITS**  
Fiscal Years 1960 to 1966 Inclusive

Island and Organizational Units	1960	1961	1962	1963	1964	1965	1966	7/1/65
<b>Kauai:</b> <sup>(1)</sup>								
Division of Forestry.....	0	188	81	394	234	179	303	1,379
Total .....	0	188	81	394	234	179	303	1,379
<b>Oahu:</b> <sup>(2)</sup>								
Division of Forestry.....	2	209	17	77	7	27	0	339
Total .....	2	209	17	77	7	27	0	339
<b>Molokai:</b> <sup>(3)</sup>								
Division of Forestry.....	0	84	149	152	25	5	0	415
Boys Camp .....	0	20	60	135	27	13	40	295
Total .....	0	104	209	287	52	18	40	710
<b>Maui:</b>								
Division of Forestry.....	0	169	312	552	464	9	505	2,011
Olinda Honor Camp.....	24	63	0	0	0	0	0	87
Total .....	24	232	312	552	464	9	505	2,098
<b>Hawaii:</b> <sup>(4)</sup>								
Division of Forestry.....	0	303	145	1,156	1,151	820	1,705	5,280
Kulani Honor Camp.....	160	336	200	44	0	198	0	938
Total .....	160	639	345	1,200	1,151	1,018	1,705	6,218
<b>State:</b>								
Division of Forestry.....	2	953	704	2,331	1,881	1,040	2,513	9,424
Institutional Camps .....	184	419	260	179	27	211	40	1,320
Total State .....	186	1,372	964	2,510	1,908	1,251	2,553	10,744

<sup>(1)</sup> Kauai plantings for fiscal years 1961-1964 were reduced a total of 467 acres after measurements of plantations on new aerial photographs in 1965.

<sup>(2)</sup> Oahu plantings for fiscal years 1960-1964 were raised a total of 9 acres after further study of the records.

<sup>(3)</sup> Molokai plantings for fiscal years 1960-1965 were reduced 588 acres after measurement of plantations on aerial photographs. The distribution of acreage between Division and Boy's Camp is estimated.

<sup>(4)</sup> Hawaii plantings for fiscal year 1962 reduced 39 acres.

**Table 4. NUMBER OF TREES PLANTED BY SPECIES AND ISLAND**  
(A) Fiscal Year 1964-65

Species	Kauai <sup>(1)</sup>	Oahu <sup>(2)</sup>	Molokai <sup>(3)</sup>	Maui <sup>(4)</sup>	Hawaii <sup>(5)</sup>	State
Australian redcedar .....	....	1,850	26,208	....	284,596	312,654
Tropical ash .....	....	....	....	....	119,180	119,180
Saligna .....	10,195	4,150	....	....	....	14,345
Loblolly pine .....	54,075	....	1,360	....	1,525	56,960
Slash pine .....	18,000	....	11,695	....	15,925	45,620
Monkeypod .....	3,985	....	....	....	....	3,985
Blackwood acacia .....	....	....	15,219	....	3,440	18,659
Miscellaneous <sup>(6)</sup> .....	9,055	5,515	....	4,065	5,605	24,240
Total .....	95,310	11,515	54,482	4,065	430,271	595,643

<sup>(1)</sup> Puu Ka Pele Forest Reserve 109 acres; Kalepa Forest Reserve 46 acres; Lihue-Koloa Forest Reserve 8 acres; Moloaa 16 acres.

<sup>(2)</sup> Waianae Forest Reserve 22 acres; Waiahole Forest Reserve 3 acres; Honolulu Watershed Forest Reserve 2 acres.

<sup>(3)</sup> Molokai Forest Reserve 85 acres.

<sup>(4)</sup> Koolau Forest Reserve 2 acres; Kula 7 acres.

<sup>(5)</sup> Waiakea-Olaa Forest Working Circle, 1,018 acres.

<sup>(6)</sup> Includes prickly narra, smooth narra, grey ironbark, tulip poplar, robusta, amammanit, blackbutt, Norfolk-Island pine, eastern redcedar, prima vera, tamarisk, ironwood, Mexican-pines, karri eucalyptus, Queensland maple, Cuban bast.

(B) Fiscal Year 1965-66<sup>(1)</sup>

Species	Kauai <sup>(2)</sup>	Oahu	Molokai <sup>(3)</sup>	Maui <sup>(4)</sup>	Hawaii <sup>(5)</sup>	State
Australian redcedar .....	100	0	0	0	249,700	249,800
Queensland maple .....	1,340	0	0	0	117,150	118,490
Tropical ash .....	0	0	0	0	156,300	156,300
Nepal alder .....	2,640	0	0	0	0	2,640
Saligna .....	15,365	0	0	87,000	72,800	175,165
Loblolly pine .....	59,000	0	45,250	880	0	105,130
Slash pine .....	43,750	0	14,615	0	0	58,365
Monterey pine .....	0	0	0	49,380	0	49,380
Cluster pine .....	0	0	0	11,400	0	11,400
Monkeypod .....	1,490	0	0	0	0	1,490
Blackwood acacia .....	840	0	0	0	41,800	42,640
Miscellaneous <sup>(6)</sup> .....	10,565	0	0	9,600	3,945	24,110
Total .....	135,090	0	59,865	158,260	641,695	994,910

<sup>(1)</sup> Does not include replanting.

<sup>(2)</sup> Puu Ka Pele Forest Reserve 282 acres; Lihue-Koloa Forest Reserve 21 acres; Kalepa Ridge 2 acres.

<sup>(3)</sup> Molokai Forest Reserve 40 acres.

<sup>(4)</sup> Kula Forest Reserve 143 acres; Koolau Forest Reserve, Land of Puakaa 166 acres; Land of Piinaau 196 acres.

<sup>(5)</sup> Waiakea-Olaa Forest Working Circle, 1,699 acres; Hilo Forest Reserve 6 acres; includes 120 acres airplane seeded to robusta.

<sup>(6)</sup> Includes amammanit, lemon gum, tallowwood, silk-oak, blackbutt, redwood, robusta, Norfolk-Island pine, ironwood, Spanish cedar, mountain ironwood, wild olive, tamarisk, gold tree, mango, milo.



**Table 6. FOREST FIRES**

Geographic Area	Date	Acres Burned	Geographic Area	Date	Acres Burned
<b>(A) Fiscal Year 1964-65</b>			<b>Kauai (3 fires)</b>		
The State (10 fires)		8,547.3	Hanakapi'ai (Na Pali-Kona Forest Reserve)	8- 4-65	2.0
Kauai (No fires)		0	Hanalei (Halelea For. Res.)	4- 3-66	18.0
Oahu (6 fires)			Mana Ridge, Waimea	4-23-66	202.0
Kahuku For. Res., Kahuku	7- 2-64	5.0			222.0
Kawailoa For. Res., Pa'alau-uka	7-21-64	1.0	<b>Molokai (2 fires)</b>		
Honolulu Watershed Forest Reserve, Manoa	8-24-64	1.0	Kaamola	5- 3-66	112.0
Honolulu Watershed Forest Reserve, Aiea	10- 3-64	.5	Kaunakakai	6-27-66	14.0
Kawailoa Forest Reserve, K-1 Training Area	10- 9-64	35.0			126.0
Mokuleia For. Res., Kealia	7-31-64	1.8	<b>Hawaii (22 fires)</b>		
		44.3	Puna Sugar Co.	7-29-65	102.0
Molokai (No fires)		0	Hawaiian Paradise Park Subdivision, Puna	9- 8-65	40.0
Maui (2 fires)			Keonepoko-Nui (Pahoa)	2- 1-66	2.0
Pulehu-nui, outside For. Res.	7- 9-64	1.0	Kahuku, adjacent to State Forest Reserve	2- 4-66	Unknown
Opana-Peahi, outside For. Res.	7-13-64	2.0	Waiakea	3-30-66	30.0
		3.0	Keaau, Puna	4- 1-66	50.0
Hawaii (2 fires)			Waiakea	4- 3-66	200.0
Kaupulehu, grass land	3- 1-65	5,000.0	Waiakea Forest Reserve	4- 3-66	400.0
Pahoa, brush land	6-24-65	3,500.0	Keaau, adjacent to Waiakea Forest Reserve	5- 6-66	0.5
		8,500.0	Keaau, (rubbish dump)	5-22-66	0.0
<b>(B) Fiscal Year 1965-66</b>			Waiakea (state land)	5-23-66	0.0
The State (36 fires)		2,479.3	Olaa (private land)	5-23-66	0.0
Oahu (8 fires)			Lalamilo (state land)	5-23-66	25.0
Mokuleia Forest Reserve	7-31-65	1.8	Keaau (rubbish dump)	5-23-66	0.0
Kawailoa Forest Reserve	8-18-65	82.0	Keaau (private)	5-23-66	5.0
Kawailoa Forest Reserve	5-29-66	638.0	Olaa Volcano rubbish dump	5-24-66	0.0
Kalihi Valley (Hono. Watershed)	5-29-66	6.0	Eden Rock Estate	5-28-66	5.0*
Palolo (Honolulu Watershed)	6- 8-66	1.0	Keaau, adjacent to state land	5-28-66	10.0
Ewa For. Res., Pacific Palisades	6- 6-66	1.0	Keaau, back of Olaa Forest Parkway	5-28-66	5.0
Makua & Keaau For. Res.	6-18-66	22.0	Makuu, Halona, Keonepoko Nui	6- 8-66	490.0
Kalihi Valley (Ft. Shafter Ridge)	6-29-66	2.0	Keonepoko Nui	6-12-66	1.0
		753.8	Mauna Kea, Kahoe	6-21-66	1.0†
Maui (1 fire)					
Piinaau, Keanae	9-21-65	11.0			
		11.0	Total		1,366.5

\*Approximate

†Less

**Table 7. ROADS, TRAILS AND FENCES**

Island	Roads	Construction (In feet) Trails	Fences	Roads	Maintenance (In feet) Trails	Fences
<b>(A) Fiscal Year 1964-65</b>						
Kauai	15,840	9,240	....	121,440	150,480	80
Oahu	....	....	....	106,920	155,232	39,068
Molokai	....	....	....	298,320	21,120	16,800
Maui	21,120	....	1,330	34,320	5,280	34,720
Hawaii	94,353.60	3,286	3,542	1,108.80	4,329.60	4,157
F.Y. 1964-65 Total						
Feet	131,313.60	12,526	4,862	562,108.80	336,441.60	94,825
Miles	24.87	2.37	.92	106.46	63.72	17.96
<b>(B) Fiscal Year 1965-66</b>						
Kauai	18,480	21,120	....	190,080	250,800	....
Oahu	....	....	....	69,907.2	74,342.4	100
Molokai	5,280	....	....	207,240	46,200	37,549
Maui	....	1,320	2,640	36,960	3,960	20,050
Hawaii	117,638.4	....	9,111	82,368	58,940	19,656
F.Y. 1965-66 Total						
Feet	141,398.4	22,440	11,751	586,555.2	434,242.4	77,355
Miles	26.78	4.25	2.23	111.09	82.25	14.65



**Table 8. SURRENDER AGREEMENTS FOR PRIVATE LANDS IN CONSERVATION DISTRICTS, JUNE 30, 1966**

Land	Forest Reserve	Owners	Date of Expiration	Term	Area (Acres)
Kauai:					
Wainiha	Halelea	McBryde Sugar Company	2-10-1968	20	10,120.00
Oahu:					10,120.00
Honouliuli	Honouliuli	James Campbell Estate	2-15-1977	20	4,910.879
Pukaomaomao	Honolulu	Bishop Estate	6-12-1968	20	183.948
Molokai:					5,094.827
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
Maui:					5,572.00
Kipahulu	Kipahulu	Ulupalakua Ranch Company	12-31-1978	20	3,519.00
Hawaii:					3,519.00
Hilo	Kukuau I	A. A. Richardson Estate	12-31-1978	20	2,979.00
					2,979.00
GRAND TOTAL					27,284.827

**Table 9. FOREST AND WATER RESERVE WITHIN CONSERVATION DISTRICT, JUNE 30, 1966**  
(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
Moloaa	4,564.00	928.00	2,270.00	....	....	1,366.00
Na Pali - Kona	61,425.00	41,528.10	....	....	....	19,896.90
Nonou	818.00	818.00	....	....	....	....
Papapaholahola	54.40	....	....	54.40	....	....
Puu Ka Pele	15,565.90	7,965.90	7,600.00	....	....	....
Puu Ka Pele Park	1,104.10	....	....	1,104.10	....	....
Oahu	123,029.318	30,630.95	188.00	1,725.42	10,722.37	79,762.578
Ewa	27,930.24	5,798.10	....	....	3,895.00	18,237.14
Hauula	9,493.76	1,443.76	....	....	....	8,050.00
Honolulu	20,450.348	7,497.97	....	1,725.42	335.92	10,891.038
Honouliuli	4,936.00	....	....	....	34.31	4,901.69
Kahuku	5,833.00	....	....	....	....	5,833.00
Kaipapau	1,173.00	897.00	....	....	....	276.00
Kaneohe	1,019.97	19.64	....	....	....	1,000.33
Kawailoa	18,696.00	....	....	....	....	18,696.00
Kuaokala	385.00	385.00	....	....	....	....
Kuliouou	214.00	214.00	....	....	....	....
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	....
Lualualei <sup>(1)</sup>	3,710.00	....	....	....	3,710.00	....
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

<sup>(1)</sup>Under control of U.S. Navy

Hauola .....	10.10	10.10	....	....	....
Hilo .....	119,748.54	64,514.94	....	....	55,233.60
Holualoa .....	135.00	....	....	....	135.00
Honaunau .....	10,028.00	....	....	....	10,028.00
Honuaula .....	1,345.80	1,312.00	....	....	33.80
Kahaluu .....	3,827.00	....	....	....	3,827.00
Kapapala .....	37,416.00	37,416.00	....	....	....
Kau .....	61,389.80	56,805.80	....	....	4,584.00
Kaupulehu .....	7,284.00	....	....	....	7,284.00
Keauohana .....	271.60	271.60	....	....	....
Kilauea .....	5,070.00	....	....	....	5,070.00
Kohala .....	47,889.75	31,712.90	87.35	....	16,089.50
Malama-Ki .....	1,441.293	1,441.293	....	....	....
Manaowaialee .....	2,329.00	1,609.00	....	....	720.00
Mauna Kea .....	87,400.108	82,600.008	4,550.00	....	250.10
Mauna Loa .....	160,468.73	160,468.73	....	....	....
Nanawale .....	2,567.668	2,567.668	....	....	....
North Kona Watershed .....	491.93	452.70	....	....	39.53
Olaa .....	16,032.857	16,032.857	....	....	....
Olaa Forest Park Reserve .....	543.616	543.616	....	....	....
Upper Olaa .....	2,897.017	2,897.017	....	....	....
Panaewa .....	1,214.355	1,214.355	....	....	....
Puna .....	25,738.00	25,738.00	....	....	....
South Kona .....	24,612.333	23,322.333	....	....	1,290.00
Waiakea .....	11,197.282	11,197.282	....	....	....
Upper Waiakea .....	55,488.33	55,488.33	....	....	....

**Table 10. USE OF FOREST CABIN FACILITIES<sup>(1)</sup>**

Fiscal Year	Island	People	Income
1964-65 .....	Hawaii	1,028	\$2,006.92
1965-66 .....	Hawaii	667	1,530.89
1964-65 .....	Maui	75	285.00
1965-66 .....	Maui	131	511.50

<sup>(1)</sup>On April 15, 1966, these facilities were transferred to the Division of State Parks.

**Table 11. RESEARCH PUBLICATIONS**

**(A) Fiscal Year 1964-1965**

**ANONYMOUS—1964**

Hawaii's forests hold promise for future. Western Conservation Journal, Oct.-Nov. 1964, pp. 84-87, 89-91, 109. (A condensation of "Forest Resources of Hawaii—1961" by R. E. Nelson and Philip R. Wheeler.)

**ANONYMOUS—1964**

Tree ferns have commercial value. Western Conservation Journal, Oct.-Nov. 1964, pp. 88-89. (Highlights of "Commercial Uses and Volume of Hawaiian Tree Fern" by R. E. Nelson and E. M. Hornibrook.)

**BENTLEY, J. R., and GRAHAM, C. A.—1964**

Plant control problems in Hawaii. (Preliminary office report—on file at Pacific Forest and Range Expt. Station, Berkeley, Calif.)

**CARPENTER, S. B., and RICHMOND, G. B.—1965**

Five-year measurements of Unit 3, Waiakea Arboretum, Hawaii. U. S. Forest Service Pacific SW. Forest and Range Expt. Station. Res. Note PSW-62.

**FRAZIER, G. D.—1964**

The market potential for Hawaii timber resources. A summary report prepared for Forestry Div., Dept. of Land & Natural Resources, State of Hawaii, U.S. Forest Service Pacific SW. Forest and Range Expt. Station.

**FRAZIER, G. D., MacKENZIE, K. D., and WEBER, J. H.—1964**

The market potential for Hawaii timber resources. (Unpub. report, given limited distribution, on file at Pacific SW. Forest and Range Expt. Station, Berkeley, Calif.)

**FRAZIER, G. D., WEBER, J. H., and MacKENZIE, K. D.—1964**

The Los Angeles furniture industry. Western Furniture Mfg., Oct. 1964, pp. 13-17. (First in a series of 3 articles.)

**FRAZIER, G. D., WEBER, J. H., and MacKENZIE, K. D.—1964**

The Los Angeles Furniture Industry. 2—Lumber and plywood consumption. Western Furniture Mfg., Nov. 1964, pp. 24-26.

**FRAZIER, G. D., WEBER, J. H., and MacKENZIE, K. D.—1965**

The Los Angeles Furniture Industry. 3—Wood, style and innovation. Western Furniture Mfg., Jan. 1965, pp. 20-30.

**GERHARDS, C. C.—1964**

Limited evaluation of physical and mechanical properties of Nepal alder grown in Hawaii. U. S. Forest Service Forest Prod. Lab. Report FPL-036.

**GERHARDS, C. C.—1965**

Physical and mechanical properties of Saligna Eucalyptus grown in Hawaii. U.S. Forest Service Forest Prod. Lab. Res. Paper FPL-23.

(This Paper supersedes a preliminary report, "Some strength and related properties of green wood of Hawaiian *Eucalyptus Saligna*" issued as U.S. Forest Service Research Note FPL-09 in 1963.)

**HONDA, N., and KLINGENSMITH, J. D.—1965**

Hawaii Forest type map. Island of Oahu. Blue-line prints showing land use, forest type, density and size class of timber stand. 5 sheets (15-minute). Scale 1:62,500. U.S. Forest Service Pacific SW Forest and Range Expt. Station in cooperation with Div. of Forestry, Hawaii Dept. of Land and Natural Resources.

**HONDA, N., and KLINGENSMITH, J. D.—1965**

Hawaii forest type map. Island of Lanai. (See description above.) 1 sheet (15-minute).

**HONDA, N., and KLINGENSMITH, J. D.—1965**

Hawaii forest type map. Island of Niihau. (See description above.) 1 sheet (15-minute).

**JAMES, WILLIAM L.—1964**

Calibration of electric moisture meters for some wood species grown in Hawaii. U.S. Forest Service Forest Prod. Lab. Rpt. FPL-061.

**LANNER, R. M.—1964**

Adventitious rooting—a response to Hawaii's environment. U.S. Forest Service Pacific SW Forest and Range Expt. Station. Res. Note PSW-54.

**LANNER, R. M.—1964**

Clones of Nepal alder in Hawaii. Jour. Forestry, Vol. 62, No. 9, Sept. 1964.

**LeBARRON, R. K.—1964**

Forest products harvested in Hawaii—1963. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-51.

- LUTZ, J. F., and ROESSLER, C. G.—1964  
Veneer and plywood characteristics of Napal alder. (Unpub. report on file at Forest Prod. Lab., U.S. Forest Service, Madison, Wis.)
- NELSON, R. E.—1964  
A look at the forests of American Samoa. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-53.
- NELSON, R. E., WHITESELL, C. D., and LeBARRON, R. K.—1964  
Forest resources of the county of Hawaii. (Dittoed office report, Sept. 1964.)
- RICHMOND, G. B.—1964  
Guide to the Waiakea Arboretum, Hilo, Hawaii. U.S. Forest Service Pacific SW Forest and Range Expt. Sta.
- SKOLMEN, R. G., and GERHARDS, C. C.—1964  
Brittleheart in *Eucalyptus robusta* grown in Hawaii. Forest Products Journal, Dec. 1964, pp. 549-554.
- SKOLMEN, R. G.—1964  
Air-drying of robusta eucalyptus lumber. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-49.
- U.S. FOREST SERVICE—1965  
Forestry Research Progress in Hawaii, 1964. Pacific SW Forest and Range Expt. Station.
- WHITESELL, C. D.—1964  
Silvical characteristics of koa (*Acacia koa* Gray). U.S. Forest and Range Expt. Station Res. Paper PSW-16.
- WHITESELL, C. D., and DAEHLER, R. E.—1964  
Forests—A natural defense against seismic waves. American Forests, Vol. 70, No. 11, Nov. 1964, pp. 38-39.
- YOUNGS, R. L.—1964  
Hardness, density, and shrinkage characteristics of silkoak from Hawaii. U.S. Forest Service Forest Prod. Lab. Report FPL-074.
- (B) Fiscal Year 1965-1966**
- BOONE, R. SIDNEY—1965  
The market for lumber and other wood products in Hawaii's transportation industry. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-86.
- BOONE, R. SIDNEY—1965  
Service life of telephone poles on the Island of Hawaii. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-96.
- CARPENTER, STANLEY B.—1965  
Survival and five-year growth in Unit 4, Waiakea Arboretum, Hawaii. U.S. Forest Service Pacific SW Forest and Range Expt. Station, Res. Note PSW-88.
- DUFFY, PAUL D.—1965  
In Hawaiian wildlands water becomes the most important forest crop. Western Conservation Journal 21 (6):58-59.
- FRAZIER, GEORGE D.—1965  
Estimated demand for lumber and plywood in Hawaii by the year 2000. U.S. Forest Service Pacific SW Forest and Range Expt. Station, Res. Paper PSW-23.
- GERHARDS, C. C.—1966  
Physical and mechanical properties of *Molucca albizzia* grown in Hawaii. U.S. Forest Service Forest Prod. Lab. Res. Paper FPL 55.
- LANNER, RONALD M.—1965  
Modifications in the growth habit of exotic trees in Hawaii. Soc. Amer. Foresters Proc. 1964.
- LANNER, RONALD M.—1965  
Phenology of *Acacia koa* on Mauna Loa, Hawaii. U.S. Forest Service Pacific SW Forest and Range Expt. Station Res. Note PSW-89.
- LeBARRON, RUSSELL K.—1965  
Growing Norfolk Island Christmas trees in Hawaii. University of Hawaii, Coop. Ext. Serv. Misc. Pub. 23.
- NELSON, ROBERT E.—1965  
Watersheds assume important role in forest management in Hawaii. Western Conservation Journal 21 (6):56-57.
- NELSON, ROBERT E.—1965  
A record of forest plantings in Hawaii. U.S. Forest Service Pacific SW Forest and Range Expt. Station, Resource Bulletin PSW-1.
- PETERS, C. C. and LUTZ, J. F.—1966  
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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 <sup>(1)</sup>	Area (square miles) <sup>(1)</sup>		Tidal shoreline (miles) <sup>(2)</sup>	Highest peak (feet) <sup>(2)</sup>
		Land	Water		
The Archipelago .....	124	6,417	9	(NA)	13,796
State of Hawaii .....	122	6,415	9	1,052	13,796
Midway Islands .....	2	2	....	(NA)	12
Hawaii Island .....	9	4,021	....	313	13,796
Maui Island .....	19	728	....	149	10,023
Kahoolawe Island .....	2	45	....	36	1,477
Lanai Island .....	11	141	....	52	3,370
Molokai Island .....	14	259	....	106	4,970
Oahu Island .....	35	595	7	209	4,040
Kauai Island .....	3	551	2	110	5,170
Niihau Island <sup>(3)</sup> .....	4	72	....	52	1,281
Leeward Islands .....	27	5	....	(NA)	910
In State of Hawaii <sup>(4)</sup> .....	25	3	....	25	910
Midway Islands .....	2	2	....	(NA)	12

(NA)—Not available.

<sup>(1)</sup>Median 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).

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

<sup>(3)</sup>Includes Lehua and Kaula Islands

<sup>(4)</sup>Includes 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, 1966**

Ownership or Tenure	Area in Acres (Estimated)		Percentage
Total .....		4,105,600	100
FEDERAL <sup>(1)</sup> .....	142,962	424,084	10.4
Armed Forces .....			
Owned in Fee .....	34,922		
Ceded Lands .....	108,040		
National Parks .....	246,748		
Owned in Fee .....	196,411		
Ceded Lands .....	50,337		
Other Federal Agencies .....	34,374		
STATE <sup>(2)</sup> .....		1,590,532	38.7
Hawaiian Home Lands .....	100,485		
Public Lands and Other Agencies .....	1,490,047		
PRIVATE <sup>(3)</sup> .....		2,090,984	50.9
5,000 acres or more <sup>(4)</sup> .....	1,811,347		
Less than 5,000 acres <sup>(3)</sup> .....	279,637		

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

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

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

(4) From 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 Land (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	
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	28,986	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:	1964-65	1965-66
Rentals, Leased Public Lands.....	\$1,529,769	\$1,552,273
Rentals, Unleased Public Lands.....	486,194	334,840
Sale of Wood, Rock and Sand.....	71,898	70,976
License, Use of Government Water.....	229,962	268,792
License, Use of Government Land for Specific Purposes.....	17,589	17,148
Total Receipts .....	2,335,412	2,244,029
Expenditures:		
Transfers to Hawaiian Home Lands.....	246,626	501,299
Transfers to General Fund.....	2,088,786	1,742,732
Total Expenditures .....	2,335,412	2,244,029
Transfers to Hawaiian Home Lands:		
Loan Fund.....\$117,289*	30% of sugar leases and water licenses.	
Administration Fund.....226,520	H.H. Lands rentals as appropriated by Legislature.	
Development Fund.....84,824	H.H. Lands rentals over Legislative appropriations.	
	*Maximum of \$5,000,000 transferred already.	
\$428,633	No other transfers to be made without legislative approval.	

## **GENERAL FUND REVENUES Land Management Program**

	1964-65	1965-66
Fees, Copies of Public Documents.....	\$ 10,097	\$ 11,676
Fees, Issuance of Land Patents, Etc. ....	243	455
Fees, Consents to Transfers, Etc. ....	1,325	1,860
Fees, Surveying of Public Lands .....	6,620	6,305
Fees, Appraisals .....	50	50
Sale of Publications .....	123	69
Sales of Improvements on Expired Leases.....	....	....
Sale of Equipment and Other Property.....	....	500
Refunds of Prior Year Expenditures.....	12	....
Cost of Managing Property Acquired for Highway Purposes.....	....	1,059
Sale of Wood, Rock or Sand .....	....	999
Indemnity for Damages to Insured Property.....	825	5,820
Interest on Delinquent Accounts.....	34	....
Witness or Juror Fees.....	24	....
Total Receipts .....	19,353	29,138

## **SPECIAL LAND AND DEVELOPMENT FUND Land Management Program**

	1964-65	1965-66
Balance at the beginning: .....	\$4,316,471	\$4,457,430
Receipts:		
Interest on Deferred Payments.....	66,547	115,343
Sales of Public Lands.....	1,574,520	2,175,570
Reimbursable Expenditures .....	424	6,358
Reimbursement of Improvements to Public Lands.....	71,649	10,903
Appraisal Fees Revolving Fund.....	10,120	10,000
Total Receipts .....	6,039,731	6,775,604
Expenditures:		
Land and Interest in Land.....	....	....
Structures and Permanent Improvements to Land .....	1,459,251	2,132,613
Transfers:		
Department of Social Services .....	28,500	....
Bond Fund Repayments .....	94,550	281,463
Total Expenditures .....	1,582,301	2,414,076
Balance at end .....	4,457,430	4,361,528

## **SUMMARY OF DISPOSITIONS, ALL ISLANDS—From July 1, 1964 to June 30, 1966**

Counties	Executive Orders	Sales of House-lots in Fee*	Deeds & Land Pat. Grants*	Special Sale Agreements*	General Leases**	Revocable Permits**	Grand Totals
HAWAII: (1st Land District)							
Number .....	41	138	150	100	30	31	490
Area (acres) .....	272.964	30.267	505.624	32.130	23,877.550	1,273.879	25,992.414
Price* or Annual Rental**.....	....	\$ 435,234	\$ 717,430	\$ 448,011	\$ 70,889	\$ 36,468	\$ 1,708,032
MAUI: (2nd Land District)							
Number .....	8	72	20	72	13	10	195
Area (acres) .....	77.166	17.840	4.177	17.840	10,937.649	963.394	12,018.066
Price* or Annual Rental**.....	....	\$ 659,200	\$ 89,359	\$ 659,200	\$ 3,492	\$ 2,076	\$ 1,413,327
OAHU: (3rd Land District)							
Number .....	27	185	101	145	34	188	680
Area (acres) .....	274.245	34.872	75.758	27.660	6,941.562	2,540.903	9,895.000
Price* or Annual Rental**.....	....	\$4,071,287	\$1,042,919	\$2,637,227	\$ 12,159	\$340,176	\$ 8,103,768
KAUAI: (4th Land District)							
Number .....	22	65	46	20	54	116	323
Area (acres) .....	2,331.709	11.239	29.670	1.850	1,200.996	887.275	4,462.739
Price* or Annual Rental**.....	....	\$ 85,595	\$ 124,858	\$ 83,075	\$ 66,513	\$ 19,416	\$ 379,457
GRAND TOTALS:							
Number .....	98	460***	317	337	131	345	1,688
Area (acres) .....	2,956.084	94.218	615.229	79.480	42,957.757	5,665.451	52,368.219
Price* or Annual Rental**.....	....	\$5,251,316	\$1,974,566	\$3,827,513	\$153,053	\$398,136	\$11,604,584

\*\*\*Includes 50 single-family units in Waimanalo; 22 duplexes for 44 units on Kauai, and 15 duplexes for 30 units plus 20 apartments on Hawaii, made available to the Hawaii Housing Authority for public housing.

# GENERAL LEASES ISSUED—ALL ISLANDS

July 1, 1964 to June 30, 1966

Use	Area	Annual Rent	No.
Agriculture .....	781.051	\$ 12,264	41
Business .....	40.523	111,642	16
Cane .....	7.980	120	1
County .....	3.511	.....	5
Eleemosynary .....	4.340	2,874	2
Federal .....	40,575.215	605	15
Fishpond .....	.....	.....	.....
Industrial .....	.900	2,130	1
Pasture .....	1,357.421	11,849	21
Pine .....	.....	.....	.....
Recreational .....	68.407	275	2
Residential .....	.360	100	1
Rights of Way .....	118.049	11,194	26
Waste .....	.....	.....	.....
Water .....	.....	.....	.....
<b>TOTALS</b> .....	<b>42,957.757</b>	<b>\$153,053</b>	<b>131</b>

# GENERAL LEASES ISSUED—HAWAII

July 1, 1964 to June 30, 1966

Use	Area	Annual Rent	No.
Agriculture .....	500.240	\$ 3,763	8
Business .....	8.510	48,210	4
Cane .....	7.980	120	1
County .....	.360	.....	2
Eleemosynary .....	4.340	2,874	2
Federal .....	22,836.000	1	2
Fishpond .....	.....	.....	.....
Industrial .....	.900	2,130	1
Pasture .....	508.640	6,045	8
Pine .....	.....	.....	.....
Recreational .....	.....	.....	.....
Residential .....	.....	.....	.....
Rights of Way .....	10.580	7,746	2
Waste .....	.....	.....	.....
Water .....	.....	.....	.....
<b>TOTALS</b> .....	<b>28,377.550</b>	<b>\$ 70,889</b>	<b>30</b>

# GENERAL LEASES ISSUED—MAUI

July 1, 1964 to June 30, 1966

Use	Area	Annual Rent	No.
Agriculture .....	52.213	\$ 1,390	7
County .....	.....	.....	1
Federal .....	10,251.600	1	1
Pasture .....	633.670	2,026	3
Rights of Way .....	.166	75	1
<b>TOTALS</b> .....	<b>10,937.649</b>	<b>\$ 3,492</b>	<b>13</b>

# GENERAL LEASES ISSUED—KAUAI

July 1, 1964 to June 30, 1966

Use	Area	Annual Rent	No.
Agriculture .....	191.188	\$ 4,201	21
Business .....	31.717	57,108	11
Cane .....	.....	.....	.....
County .....	3.151	.....	1
Eleemosynary .....	.....	.....	.....
Federal .....	675.015	601	4
Fishpond .....	.....	.....	.....
Industrial .....	.....	.....	.....
Pasture .....	195.055	2,878	9
Pine .....	.....	.....	.....
Recreational .....	3.607	125	1
Residential .....	.360	100	1
Rights of Way .....	100.903	1,500	6
Waste .....	.....	.....	.....
Water .....	.....	.....	.....
<b>TOTALS</b> .....	<b>1,200.996</b>	<b>\$ 66,513</b>	<b>54</b>

# GENERAL LEASES ISSUED—OAHU

July 1, 1964 to June 30, 1966

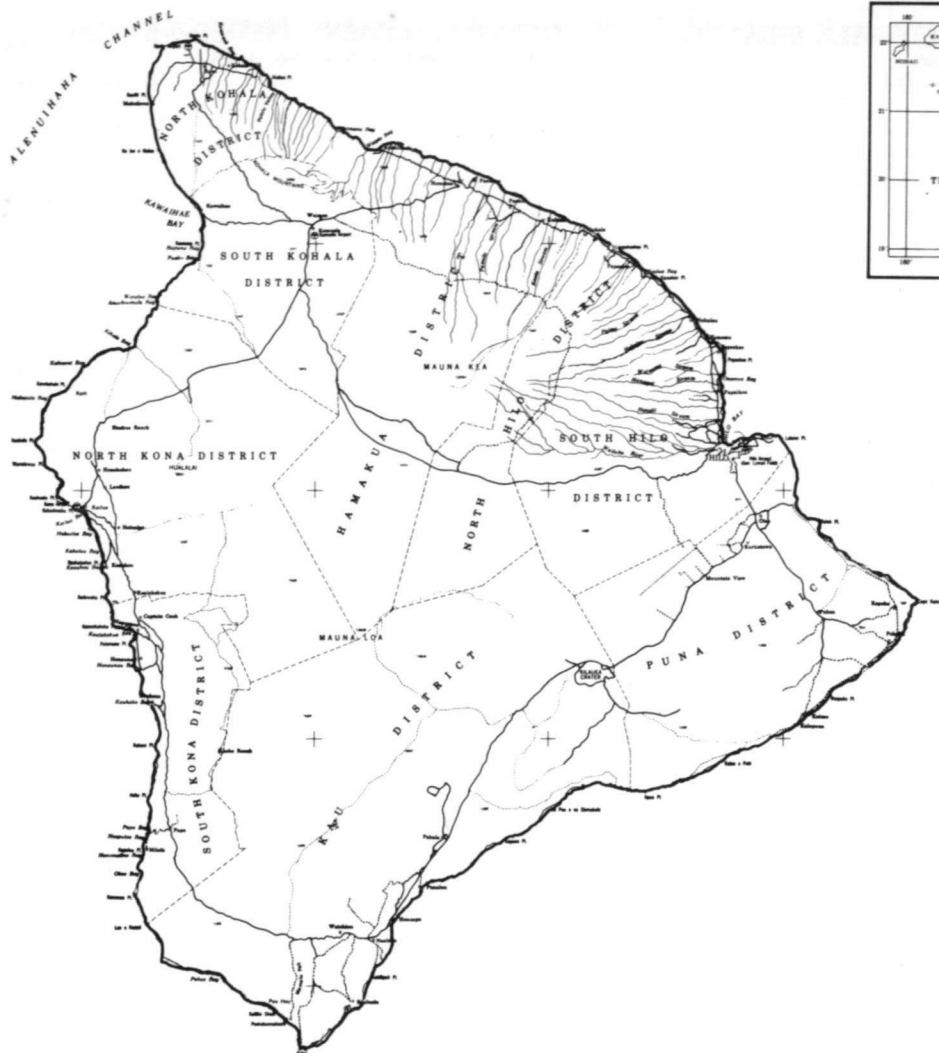
Use	Area	Annual Rent	No.
Agriculture .....	37.410	\$ 2,910	5
Business .....	.296	6,324	1
Cane .....	.....	.....	.....
County .....	.....	.....	1
Eleemosynary .....	.....	.....	.....
Federal .....	6,812.600	2	8
Fishpond .....	.....	.....	.....
Industrial .....	.....	.....	.....
Pasture .....	20.056	900	1
Pine .....	.....	.....	.....
Recreational .....	64.800	150	1
Residential .....	.....	.....	.....
Rights of Way .....	6.400	1,873	17
Water .....	.....	.....	.....
Waste .....	.....	.....	.....
<b>TOTALS</b> .....	<b>6,941.562</b>	<b>\$ 12,159</b>	<b>34</b>

# EXISTING GENERAL LEASES AND LICENSES CLASSIFICATION SUMMARY, TOTAL ALL ISLANDS In Effect June 30, 1966

Use	Area (acres)	Annual Rental	No. Leases
Agriculture, General .....	2,097.561	\$ 51,611.15	146
Business .....	119.633	221,634.96	67
Sugar Cane .....	28,637.741	469,935.41	27
County .....	30.789	.....	14
Eleemosynary .....	183.250	16,456.00	13
Federal Government .....	42,018.531	1,202.00	21
Fishpond .....	51.467	621.14	2
Industrial .....	738.989	94,310.62	54
Pasture .....	314,710.298	571,092.93	188
Pineapple .....	665.025	19,469.08	3
Recreational .....	94.799	2,105.00	5
Residential .....	23.048	15,031.50	37
Rights of Way .....	362.991	22,028.37	81
Waste Lands .....	16,963.565	123.50	(a)
Water licenses, reservoirs, etc. ....	8,160.540	196,614.00	14
<b>TOTALS</b> .....	<b>414,858.177</b>	<b>\$1,682,235.66</b>	<b>672</b>

(a) Included in sugar cane leases.





## FIRST LAND DISTRICT Island of Hawaii

### General Lease Summary, First Land District

Use	Area (acres)	Annual Rental	No. Leases
Agriculture, General .....	656.245	\$ 4,772.00	21
Business .....	51.958	125,209.96	34
Sugar Cane .....	10,689.111	81,050.91	19
County .....	25.668	.....	11
Eleemosynary .....	5.343	3,654.00	3
Federal Government .....	22,861.086	.....	5
Fishpond .....	50.867	484.14	1
Industrial .....	623.231	57,834.62	47
Pasture .....	273,125.588	507,407.22	89
Residential .....	10.448	13,005.50	27
Rights of Way .....	106.377	8,318.52	16
Waste Land .....	677.185	123.50	(a)
Water licenses, reservoirs, etc. ....	30.610	3,032.00	4
<b>TOTALS</b> .....	<b>308,913.717</b>	<b>\$ 804,892.37</b>	<b>277</b>

(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, 1966**

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	484.14
2918	Shigeki Iwashita	11/ 1/42- 3/31/67	Wailoa, South Hilo, Hawaii	.48	ind	300.00
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		r/w	12.00
3029	Nalei Incorporated	9/13/45- 8/14/2015	Lots 12 & 12-A, Ocean View Lots, South Hilo, Hawaii	1.19	res	8,112.00
3100	Aiea Dairy, Limited	8/ 1/45- 7/31/66	Lot 88, Kaapahu Homesteads, Mauka Section, Hamakua, Hawaii	20.50	past	12.00
3103	Anthony A. Arruda	8/ 1/45- 7/31/66	Lots 210-214, Olaa New Tract Lots Olaa, Puna, Hawaii	246.331	past	90.00
3132	Maud A. Greenwell, Ltd.	5/ 1/46- 4/30/67	Kaawaloa Flats, South Kona, Hawaii	35.71	past	50.00
3135	Palani Ranch Trust	5/ 1/46- 4/30/67	Kealakehe Mauka Tract, North Kona, Hawaii	1,218.0	past	705.00
3136	Manuel Gomes	5/ 1/46- 4/30/67	Lot 1-B, Hienaloli 1st North Kona, Hawaii	37.595	past	13.15
3138	Shigeki Iwashita	5/ 1/46- 4/30/67	Lot 5, Wailoa, South Hilo, Hawaii	.24	ind	150.00
3139	Shigeki Iwashita	5/ 1/46- 4/30/67	Lot 6, Wailoa, South Hilo, Hawaii	.13	ind	133.00
3140	Shigeki Iwashita	5/ 1/46- 4/30/67	Wailoa, South Hilo, Hawaii	.15	ind	150.00
3154	Wallace Ah Fook Aki	11/18/46-11/17/67	Lot 21, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.16	res	360.00
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
3158	Hideo Funada	11/18/46- 3/14/2015	Lot 25, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.17	res	306.00
3160	Adam C. Baker, Dec.	11/18/46-11/17/67	Lot 27, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.173	res	141.00
3161	Adam C. Baker, Dec.	11/18/46-11/17/67	Lot 28, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.18	res	299.00
3162	Clarence T. & Kitome Ohama	11/18/46- 3/14/2015	Lot 29, Ocean View Lots, 2nd Series, Waiakea, South Hilo, Hawaii	.18	res	163.00
3163	Kaiva & Josephine Martinson Tuiasosopo	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
3201	Charles L. Murray	5/ 1/47- 4/30/68	Lot 3, Hienaloli 1st, North Kona, Hawaii	2.85	res	75.00
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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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't. remnant at Ahualoa, Hamakua, Hawaii	4.59	past	12.00
3335	Dillingham Investment Corp.	11/12/49-11/11/70	Gov't. Land of Honomalino & Okoe, South Kona, Hawaii	1,458.14	past	326.00
3336	George Henry & Richard Adam Ignacio	11/12/49-11/11/70	Parcels 10 & 12, T.M.K. 3-4-01, 3rd Division, Waikamalo-Maulua Homesteads, North Hilo, Hawaii	59.24	past	97.00
3338	Hilo Electric Light Co., Ltd.	11/12/49-11/11/70	Portion of Gov't. land situate west Kinoole St., Waiakea, S. Hilo, Hawaii	.01	bus	20.00
3339	M. C. Child	11/12/49-11/11/70	Lot 2, Blk. 39, Waiakea House Lots, South Hilo, Hawaii	.45	bus	120.00
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, St.	4/10/50- 4/ 9/71	Waiakea, South Hilo, Hawaii	259.49	past	135.00
3344	Martin J. Branco	4/10/50- 4/ 9/71	Waiakea, South Hilo, Hawaii	319.6	past	80.00
3345	Alfred R. Menino	4/10/50- 4/ 9/71	Lot 907, Waiakea Homesteads, Waiakea, South Hilo, Hawaii	40.0	past	210.00
3347	Hilo Electric Light Co., Ltd.	4/10/50- 4/ 9/71	Portion of Lot 615-B, Waiakea Homesteads, Waiakea, South Hilo, Hawaii	.056	bus	12.00
L-3350	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 17.66	cane past	779.33 125.25
3355	Richard Smart	1/ 1/52-12/31/72	Kaohe. Kaohe III Sec., A-1, Hamakua, Hawaii	1,202.0	past	7,000.00
3356	Richard Smart	1/ 1/52-12/31/72	Por. Land of Haleaha & Puukapu, South Kohala, Hawaii	416.0	past	5,000.00
3357	Richard Smart	1/ 1/52-12/31/72	Por. HHL of Pauahi, South Kohala, Hawaii	555.45	past	7,000.00
3358	Kahua Ranch, Ltd.	1/ 1/52-12/31/72	Waimea, South Kohala, Hawaii	9,935.57	past	40,500.00
3359	Kukaiiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe-VI, Hamakua, Hawaii	3,110.0	past	12,600.00
3360	Hawaiian Ranch Co., Inc.	10/10/62-12/31/72	Parcel 2, Kaalaala Makai, Kau, Hawaii	1,777.0	past	400.00
3361	Richard Smart	1/ 1/52-12/31/72	Part 3, Por. of Gov't. Land of Hono-Kaia, Hamakua, Hawaii	508.0	past	7,100.00
3362	Anna Ranch	1/ 1/52-12/31/72	Puukapu Pasture Lot No. 9, South Kohala, Hawaii	333.81	past	3,005.88
3363	Hawaiian Ranch Co., Inc.	1/ 1/52-12/31/72	Kamaoā-Puueo Tract, Kau, Hawaii	10,289.284	past	35,038.72
3364	Richard Smart	1/ 1/52-12/31/72	Gov't. Crown Land of Honokaia, Hamakua, Hawaii	739.0	past	8,800.00
3366	Richard Smart	1/ 1/52-12/31/72	Puu Kawaiwai, Panoluukia, Kapia, Waimea, South Kohala, Hawaii	2,978.03	past	16,200.00
3367	Kukaiiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Kaohe 11, Hamakua, Hawaii	7,932.36	past	40,700.00
3369	Kukaiiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Hoea & Kaao, Hamakua, Hawaii	1,902.0	past	16,000.00
3370	Kukaiiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Portion of Gov't. Remainder of Niupea, Hamakua, Hawaii	66.0	past	40.00
3371	Richard Smart	1/ 1/52-12/31/72	Kalopa, Hamakua, Hawaii	6,080.0	past	42,200.00
3373	Richard Smart	1/ 1/52-12/31/72	Kipi-Kehene 1st, North Kohala, Hawaii	107.0	past	300.00



No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3374	Richard Smart	1/ 1/52-12/31/72	Por. Puukapu Pasture Lot No. 10, South Kohala, Hawaii	2,376.32	past	\$10,500.00
3375	Richard Smart	1/ 1/52-12/31/72	Honokaia, Part 4, Hamakua, Hawaii	508.0	past	8,600.00
3376	Hawaiian Ranch Co., Ltd.	1/ 1/52-12/31/72	Por. Gov't Land of Kapapala, Kau, Hawaii	36,873.02	past	51,700.00
3377	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Parcel 1, Kaohe II, Hamakua, Hawaii	675.32	cane	11,818.10
3378	Richard Smart	1/ 1/52-12/31/72	Parcel 1, Kaohe II, Hamakua, Hawaii	7,780.0	past	42,000.00
3379	Richard Smart	1/ 1/52-12/31/72	Portion Land of Momoualao, Waimea, South Kohala, Hawaii	391.0	past	7,800.00
3380	Richard Smart	1/ 1/52-12/31/72	Kaoniki, Kauniho, Lalamilo, Puukapu, Waimea, South Kohala, Hawaii	332.307	past	7,581.50
3381	Richard Smart	1/ 1/52-12/31/72	Honokaia, Part 5, Hamakua, Hawaii	768.477	past	12,200.00
3382	Kukaiau Ranch Co., Ltd.	1/ 1/52-12/31/72	Lalamilo, Waimea, South Kohala, Hawaii	1.961	past	45.32
3412	Sure Save Super Market, Limited	4/ 7/52- 4/ 6/73	Por. Gov't. Remainder Manowaialee, Hamakua, Hawaii	162.0	past	1,000.00
3413	Santos Ramiro	4/ 7/52- 4/ 6/67	Kamehameha Avenue & Kalanikoa Ave., Waiakea, South Hilo, Hawaii	.80	bus	1,062.00
3414	Robert M. & Emma L. Yamada	4/ 7/52- 4/ 6/73	Lot 31-A, Kaauhuhu Homesteads, Kaauhuhu, North Kohala, Hawaii	5.64	agr	121.00
3415	Tuck Lee Chang	4/ 7/52- 4/ 6/67	Lots 10, 11-A & 11-B, Kaimu-Makena Homesteads, Puna, Hawaii	177.55	agr	50.00
3420	Tropics Lanai, Inc.	6/ 1/52- 6/13/69	Waiakea Homesteads, Waiakea, South Hilo, Hawaii	10.0	agr	100.00
3422	Robert M. Yamada, Emma M., Ronald L. & Donald K. Yamada & Maile E. Chong, dba Yamada Transfer	6/ 1/52- 6/13/69	Kilauea & Piopio St., S. Hilo	.24	bus	125.00
3424	Hajime Harada	6/ 1/52- 5/31/73	N.W. Corner of Lanikaula & Railroad Ave., Waiakea, South Hilo, Hawaii	1.15	ind	250.00
3425	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Co.	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
3426	Chieno, Masaru & Chitoshi Doi	6/ 1/52- 5/30/73	Lot 14, Blk. 48, Waiakea House	.60	ind	300.00
3427	Hilo Metals Co., Ltd.	4/ 7/52- 4/ 6/73	Lots Extension at Waiakea, South Hilo, Hawaii			
3428	Maurice & Molly D. Zimring	6/ 1/52- 5/30/73	Kawaihae 1, Kawaihae Village, South Kohala, Hawaii	.572	res	200.00
3431	Richard Smart	10/ 1/52- 9/30/73	Lots 2 & 4, Blk. 40, Waiakea House	.70	ind	250.00
3432	Palani Ranch Trust	10/ 1/52- 9/30/73	Lots, 1st Series, South Hilo (Waiakea), Hawaii			
3433	Dillingham Investment Corp.	4/ 8/53- 4/ 7/74	Lot 11, Keaukaha Seaside Lots	.27	res	230.00
3434	Richard Smart	12/20/52-12/19/73	Waiakea, South Hilo, Hawaii			
3435	Honomalino Agricultural Company	7/ 3/52- 7/ 2/73	Kaohe III, Section B, Hamakua, Hawaii	1,762.936	past	600.00
3436	Richard Smart	10/ 1/52- 9/30/73	Lots 1 to 20, Kealakehe Homesteads, 2nd Series, North Kona, Hawaii	1,600.76	past	1,765.00
L-3437	Hawaiian Trust Co., Ltd.	7/ 3/52- 7/ 2/73	Honomalino-Hoopulua Mauka Tract, South Kona, Hawaii	2,717.924	past	1,000.00
3438	Richard Smart	7/ 1/53- 6/30/74	Keanuimano, Puuiki & Waikoloa Iki, Waimea, South Kohala, Hawaii	437.0	past	2,200.00
3439	Richard Smart	7/ 1/53- 6/30/74	Kaulanamauna, South Kona, Hawaii	2,095.538	past	425.00
3440	Richard Smart	7/ 1/53- 6/30/74	Kaohe III, Section A-2, Hamakua, Hawaii	101.40	past	85.00
3441	Richard H. Jose	7 1/53- 6/30/74	Parcels 1 & 2, of Gov't. Land of Lalamilo, South Kohala, Hawaii	.08	r/w	12.00
3442	Hawaiian Ranch Co., Inc.	7/ 1/53- 6/30/74	Parcel 1, Por. of Humuula (Keanakolu Paddocks), North Hilo, Hawaii	5,290.00	past	16,000.00
3443	Hawaiian Ranch Co., Inc.	7/ 1/53- 6/30/74	Parcel 2, Por. of Humuula (Hopuwai Paddock), North Hilo, Hawaii	7,512.8	past	14,000.00
3444	Hawaiian Ranch Co., Inc.	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
3445	Laupahoehoe Sugar Company	12/29/52-12/28/73	Laupahoehoe Mauka, Laupahoehoe, North Hilo, Hawaii	110.0	past	915.00
3446	Joaquin Ramos	7/ 1/53- 6/30/74	Parcels A & B and Ninole Gov't. Fish Pond, Kau, Hawaii	332.559	past	520.00
3449	Hawaiian Ranch Co., Inc.	12/29/52-12/28/73	Parcels 1 & 2, Kaunamano Homesteads, Kau, Hawaii	477.16	past	930.00
L-3453	Laupahoehoe Sugar Company	10/ 1/53- 9/30/74	Wailau Gov't. Remainder Kau, Hawaii	345.8	past	200.00
			Laupahoehoe, North Hilo, Hawaii	11.79	past	205.00
			Lots 92, 93 & 94, Olaa New Tract	150.0	past	50.00
			Lots, Olaa, Puna, Hawaii			
			Parts 1 & 2, Por. of Moaula-Kopu-Makaka Makai, Kau, Hawaii	2,376.85	past	1,025.00
			Papaaloo, Manowaiopae & Kihalani Homestead Tracts, & por. of Laupahoehoe, North Hilo, Hawaii		r/w	12.00

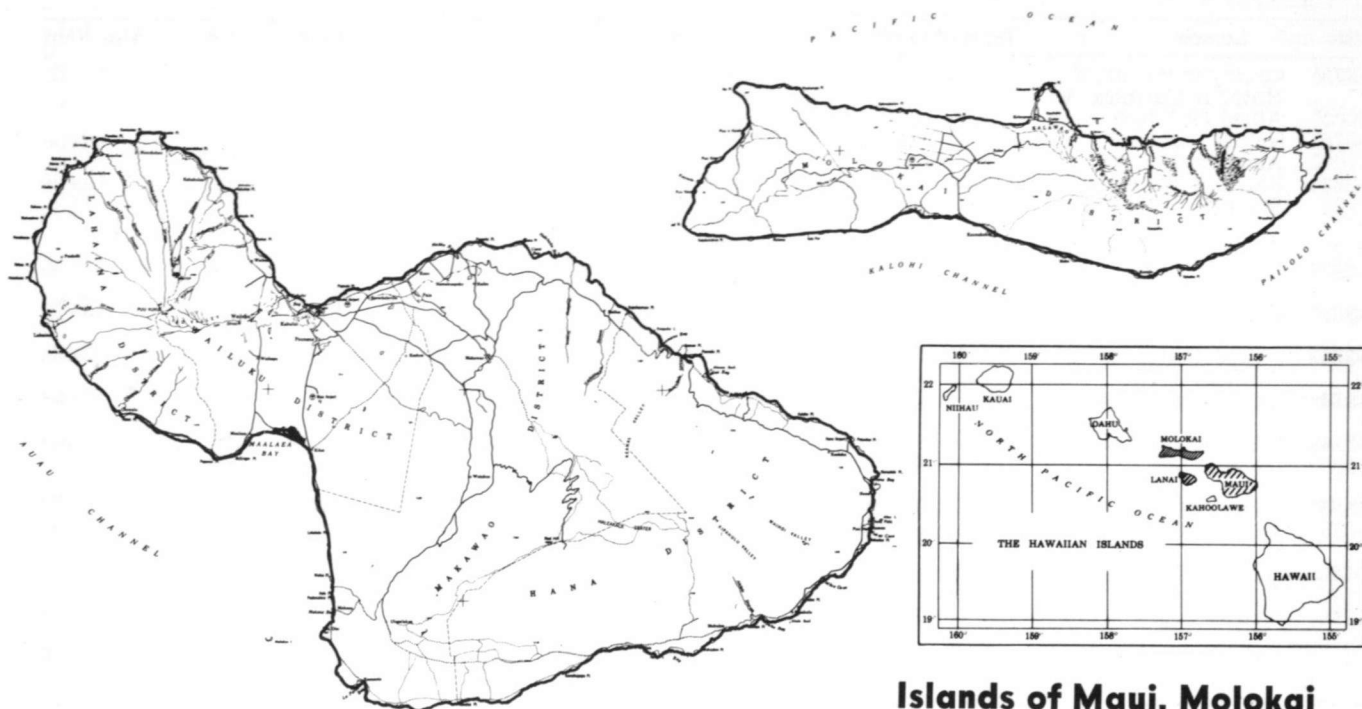
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L-3454	Hilo Electric Light Co., Ltd.	10/ 1/53- 9/30/74	Honokaia, Kapolena, Kamoku & Puukapu, Waimea, South Kohala, Hawaii		r/w	\$ 100.00
L-3455	Kohala Sugar Company	10/ 1/53- 9/30/74	Kahei Mauka, Section A, Kahei Makai, Section B, Hualua Middle, Section 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
3478	Hawaiian Fern-Wood, Ltd.	6/ 1/54- 5/31/75	Waiakea, Corner of Manono & Piilani Streets, South Hilo, Hawaii	1.61	ind	2,000.00
3479	Hilo Metals Co., Ltd.	6/ 1/54- 5/31/75	Waiakea, South Hilo, Hawaii	1.42	ind	350.00
3480	Laupahoehoe Sugar	4/ 9/54- 4/ 8/75	Por. of Pali & Gulch, Papaaloa Homesteads, North Hilo, Hawaii	6.00	wtr	31.00
3481	The Flintkote Company	6/ 1/54- 5/31/75	Waiakea Fish Pond, Waiakea, South Hilo, Hawaii	24.61	wtr	1.00
3482	Clarence J. Branco	4/ 9/54- 4/ 8/75	Lots 812-A, 912-A & 913, Waiakea Homesteads, 2nd Series, S. Hilo, Hawaii	92.681	past	1,194.10
3483	James R., Edward R., Yasuo & Yoshinobu Kuwaye, dba Edward R. Kuwaye & Comany	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 Series, Lalamilo, S. Kohala, Hawaii	.28	past	12.00
3509	William K. Thompson	11/10/54-11/ 9/75	Por. of Pahoeohoe 1-4, Maunaouii, Haleiili, Haukalua 1-2, Alae 1-2, Pahoeohoe 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 11.00	cane past r/w waste	2,134.27 1,056.90 8.40 1.10
L-3521	Shell Oil Co., Union Oil Co. of Calif., & Phillips Petroleum Co.	6/ 7/55- 6/ 6/76	Waiakea-Kai, Hilo, Hawaii	.12	r/w	12.00
L-3528	Volcanite, Limited	11/ 8/55-11/ 7/76	Puuwaawaa Quarry Hill Puuwaawaa, Hawaii	506.126	ind	1,000.00
3529	Sure Save Super Market, Ltd.	11/ 8/55-11/ 7/76	Waiakea, South Hilo, Hawaii	.59	bus	300.00
3530	Tsuruyo Oda	11/ 8/55-11/ 7/76	Waiakea, South Hilo, Hawaii	2.532	agr	120.00
3531	Jihizo Ota	11/ 8/55-11/ 7/70	Lot 63, Ponahawai, House Lots Ponahawai, South Hilo, Hawaii	2.07	agr	24.00
3532	Benso Yamanouchi	11/ 8/55-11/ 7/76	Lot 12, Kaumana House Lots, Kaumana, South Hilo, Hawaii	.16	agr	12.00
3533	Honolulu Roofing Co., Ltd.	11/ 8/55-11/ 7/76	Lot 9, Keaukaha Seaside Lots, Waiakea, South Hilo, Hawaii	.42	res	180.00
3534	Thomas R. Araujo	11/ 8/55-11/ 7/76	Piihonua, South Hilo, Hawaii	2.67	past	24.00
3566	Hawaiian Ranch Co., Inc.	10/25/56-10/24/77	Por. Section "A", Kaalaala-Makakupu	67.55 .48 1,354.17	cane waste past	675.50
3567	E. L. Wung's Ranch, Ltd.	10/25/56-10/24/77	Lots 338 and 339, Olaa Reservation Lots, Olaa Puna, Hawaii	100.0	past	100.00
3569	Takayoshi M. Oda	10/25/56-10/24/77	Lots 2, 4, 6, 8, 10 & 12, Blk. 30, Waiakea House Lots, 1st Series, Waiakea, South Hilo, Hawaii	3.10	agr	100.00
3570	Kohala Sugar Company	10/ 1/57- 9/30/72	Opihipau-Hukiaa, Kalei & Hualua, Hawaii	1,235.506 11.000 62.025 .377	cane past waste bus	9,418.26 55.09 62.03 650.00
3571	Sure Save Super Market, Limited	8/11/56- 4/ 6/73	Gov't. Lot, Kamehameha Avenue Waiakea, South Hilo, Hawaii			
3573	Hawaii Broadcasting System, Limited	11/ 8/58-11/ 7/79	Humuula, North Hilo, Hawaii	2.038	bus	100.00
L-3574	Jas. W. Glover, Ltd.	8/11/59- 8/10/80	Waiakea, South Hilo, Hawaii	74.314	ind	2,594.62
3575	Honpa Hongwanji Mission of Hawaii	8/11/58- 8/10/79	Lots 7 & 8, Waiakea Cane Lots, Waiakea, South Hilo, Hawaii	38.58	past	139.86

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L-3576	Union Oil Co. of California	9/10/58- 9/ 9/79	Gov't. Land of Waiakea, South Hilo, Hawaii	.12	r/w	\$ 120.00
3580	Koei & Katsue U. Ishimine	7/20/59- 7/19/69	Lot 34-A, Kaauhuhu Homestead, North Kohala, Hawaii	8.6	agr	150.00
3582	Richard M. Schultz	11/ 5/59-11/ 4/74	Lots 43 to 52 & 55 to 59, Waiohinu House Lots, 2nd Series, Kau, Hawaii	11.77	agr	50.00
3583	Robert M. Yamada	11/ 5/59-11/ 4/2004	Lots 4, 6, 7, 8, Blk. 39; Lots 5 & 7, Blk. 40, Waiakea Lots, Waiakea, South Hilo, Hawaii	2.57	bus	900.00
3584	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Gov't. Lands of Kamaee-Wailua & Puuoha, North Hilo, Hawaii	548.75	cane	3,106.66
3585	Pepeekeo Sugar Company	2/ 1/60-12/31/89	Honomu-Hukua, Kaakepa & Kaupakuea, South Hilo, Hawaii	907.93	cane	6,975.10
3586	Mauna Kea Sugar Co., Inc.	2/ 1/60-12/31/89	Kawainui, South Hilo, Hawaii	191.00	cane	1,403.05
3587	Paauhau Sugar Co., Ltd.	2/ 1/60-12/31/89	Kaunamano, Hamakua, Hawaii	32.10	cane	210.00
3589	Dillingham Investment Corp.	8/15/60- 8/14/2000	Gov't. Lands of Puuanahulu & Puuwaawaa, North Kona	105,796.58	past	30,000.00
3590	Texaco, Inc.	3/ 1/60- 2/28/85	Por. Gov't. Land of Waiakea, South Hilo, Hawaii	2.66	ind	8,500.00
3591	Isamu Kanekuni & George T. Inouye, dba Veterans Produce Exchange	1/16/61- 1/15/2016	Lot 42, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.35	ind	560.00
3592	Hiroaki Kono, dba Hilo Transportation Co.	1/16/61- 1/15/2016	Lots 6 & 15, Waiakea Business & Industrial Lots, South Hilo, Hawaii	.78	ind	1,220.00
3593	Automotive Supply Center, Ltd.	1/16/61- 1/15/2016	Lot 38, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	576.00
3594	Broto's Body & Fender, James Broto Toledo	1/16/61- 1/15/2016	Lot 15, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.22	ind	400.00
3595	Harry's Refrigeration Service	1/16/61- 1/15/2016	Lot 18, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.26	ind	440.00
3596	Isao Morimoto, dba Mori's Paint Shop	1/16/61- 1/15/2016	Lot 37, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.38	ind	605.00
3597	William Aiona, Jr., dba Family Liquor Store	1/16/61- 1/15/2016	Lot C-1, Kamehameha Business Lots, Waiakea, South Hilo, Hawaii	.34	bus	1,110.00
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	1,177.12	cane	7,425.66
3614	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Niuepea-Kealakaha Gov't. Tracts & Gov't. Land at Kaala, Hamakua, Hawaii	655.60	cane	4,453.24
3615	Laupahoehoe Sugar Company	2/ 1/61- 1/31/91	Gov't. Lands of Ookala-Manowaialee, North Hilo & Hamakua, Hawaii	1,368.44	cane	9,446.47
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	3,056.30
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



No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3631	A & A Hawaii, Inc.	3/20/61- 3/19/2016	Lot 11, Kanoelehua Industrial Lots, Waiakea, South Hilo	.74	ind	\$ 410.00
3632	Hilo Draying Co., Ltd.	3/20/61- 3/19/2016	Lot 3, Kanoelehua Industrial Lots, Waiakea, South Hilo, Hawaii	.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	Pohakulua Mauka Gov't. Tract, Pohakulua & 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
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- 6/27/2018	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-3938	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-3740	Masao, Hiroji & Seichi Ochi	3/ 1/63- 2/28/2018	Lot 6, Blk. 47, Waiakea, South Hilo, Hawaii	.674	bus	1,956.00
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	4,452.00
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 & Disaster 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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	22,836.0	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-3862	Ryoji Sumida	6/10/64- 6/ 9/2019	Lot 5, Blk. 47, Waiakea Business Lots, South Hilo, Hawaii	.649	bus	2,845.00
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, Paauilo-Pohakea Reserve Lots	4.54	past	45.00
S-3868	Kahua Ranch, Ltd.	10/28/64-10/27/84	Makiloa Gov't. Tract North Kohala, Hawaii	138.0	past	605.00
S-3869	Koei Ishimine	12/26/64-12/25/84	Lot 8, Puuepa-Kokoiki Homesteads, North Kohala, Hawaii	7.98	cane	120.00
S-3870	William E. Ontai	10/28/64-10/27/94	Lots 2, 3, 5, Papa Homesteads, South Kona, Hawaii	21.18	agr	180.00
S-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-3886	Frances B. Dennis, Margaret Payton & Bernard G. Kinney	1/20/65- 1/19/85	Por. of Lands of Lalamilo, Ouli & Waiaka 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, Kaauhuhu Homesteads, North Kohala, Hawaii	6.41	agr	96.00
S-3916	County of Hawaii, Board of Water Supply	10/30/64-10/29/2029	Panaewa, Waiakea, 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-3229	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	Paauhau Sugar Co.	10/18/65-10/17/85	Por. of Kalopa Homesteads, Hamakua, Hawaii	0.73	agr	25.00
S-3933	Roman Catholic Bishop of Honolulu	10/18/65-10/17/2030	Lots 116 & 117, Puako Beach Lots, Lalamilo, Waimea, S. Kohala, Hawaii	.643	ele	334.00
S-3934	Hubert M. Spivey	10/18/65-10/17/85	Por. of Waiakea Pasture Lands	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 Komura	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 14
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



## Islands of Maui, Molokai and Lanai

### GENERAL LEASES—SUMMARY, SECOND LAND DISTRICT

Use	Area (acres)	Annual Rental	No. Leases
Agriculture, General .....	492.888	\$ 7,624.00	24
Business .....	3.910	346.00	2
Sugar Cane .....	1,137.080	21,569.21	2
County .....	1.970	.....	2
Eleemosynary .....	48.600	226.00	4
Federal Government .....	11,219.786	600.00	5
Fishpond .....	.600	137.00	1
Pasture .....	31,450.836	46,632.48	51
Recreational .....	7.742	150.00	1
Residential .....	9.410	100.00	1
Rights of Way .....	23.254	1,700.00	5
Water licenses, reservoirs, etc. ....	3,384.800	70,170.00	5
<b>TOTALS</b> .....	<b>47,780.876</b>	<b>\$ 149,254.69</b>	<b>103</b>

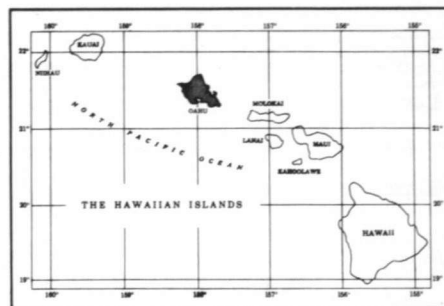
### GENERAL LEASES AND LICENSES—SECOND LAND DISTRICT—JUNE 30, 1966

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3090	Pioneer Mill Co.	11/22/44-11/21/66	Alamihī, Lahaina, Maui	0.43	bus	\$ 250.00
3181	August Duvauchelle	2/ 1/47- 1/31/68	Panahaha Fish Pond, Molokai	3.80	wtr	40.00
3182	Stephen Perreira	2/ 1/47- 1/31/68	Waiakoa Homesteads, Kula, Maui	16.55	past	200.00
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. Caires, 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
3291	John M. Fernandez	5/10/49- 5/ 9/70	Lots 29-A, 29-B, 29-E, Nahiku Homesteads, Koolau	21.88	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	Kawaiapa & 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
3299	Pioneer Mill Co., Ltd.	1/ 1/50-12/31/70	Sect. A & B, por. Gov't. Lands of Olowalu & Ukumehame, Lahaina	1,563.520	past	1,600.00
3301	Molokai Electric Co., Limited	9/14/49- 9/13/70	Kahanui and Naiwa	.425	r/w	1.00



No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
3395	Violet C. King	1/14/52- 1/13/73	Parcels A & B, Puolua, Hamakualoa	10.560	past	36.00
3396	Maui Factors, Inc.	8/20/65- 1/13/73	Por. of Gov't. Land of Ukumehame	4,858.431	past	6,740.00
3397	George Boteilho	4/11/62- 1/13/73	Lot O, Nahiku Homesteads, Koolau	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
3400	Valentine Redo	10/23/64- 1/13/73	Por. Gov't. Land of Wakiu, Hana	757.000	past	601.00
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
3407	James Hueu, Jr.	1/14/52- 1/13/67	Gov't. Lot E, Waianu Valley, Keanae, Koolau	1.670	agr	55.00
3408	Joseph Hookano	1/14/52- 1/13/67	Lots 27 and 28, Wailua Homesteads, Koolau	3.300	agr	56.00
3409	Libby, McNeill & Libby	1/10/52- 1/ 9/67	Por. of Gov't. Land of Hamakualoa	1.840	agr	40.00
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 Kealiinui, Hamakualoa	6.25	agr	66.00
3495	Joseph Young	6/28/54- 6/27/75	Lot 36, Wailua Homesteads, Koolau	1.80	past	26.00
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	4,600.00
3513	Ernest E. Marks	4/25/55- 4/24/76	Lots 1, 2, 3, & 4, Ualapue Pasture	21.55	past	126.00
3514	Hana Ranch Co., Ltd.	4/25/55- 4/24/76	Lots, Ualapue	26.07	past	78.00
3515	Frank Tavares Pacheco	4/25/55- 4/24/76	Lots 1 & 2, Papaauhau Remnants	52.65	past	175.00
3516	Alfred Alu	4/25/55- 4/24/70	Por. Gov't. Remnant in Hanehoi, Hamakualoa	2.10	agr	12.00
3518	Decker G. McAllister	4/25/55- 4/24/70	Por. Gov't. Land of Wailua-nui, Koolau, Hana	1.84	agr	24.00
3535	Maui Electric Co., Ltd.	1/16/56- 1/15/77	Por. of Waiohonu Gov't. Remainder between sea coast & S.E. boundary of Waiohonu Houselots, Waiohonu	4.762	r/w	24.00
3536	Hawaiian Broadcasting	3/ 1/56- 2/28/77	Por. Gov't. Land of Waiakoa and Papaanui	3.480	bus	96.00
3537	Wailuku Sugar Co.	1/16/56- 1/15/77	Kolekole Hill, Papaanui, together with easement, Makawao	136.40	past	300.00
3538	Harold P. Hustace	1/16/56- 1/15/71	Por. of Land of Kahakulua, Kaanapali	5.063	agr	301.00
L-3578	East Maui Irrigation Company, Inc.	7/ 1/60- 6/30/81	Kaluahaha School Lot, Kaluahaha	.....	wtr	50,010.00
3588	Pioneer Mill Co., Ltd.	7/ 1/60- 12/31/89	Huelo License, Hamakualoa	.....	.....	.....
S-3636	Samuel & Mary Kaauamo	4/14/61- 4/13/76	Honokowai, Lahaina	1,124.60	cane	20,834.21
S-3637	William Neilson and Dorothy Stuart Neilson	4/14/61- 4/13/91	Gov't. Remnant within Wailua Homestead Tract, Wailua (Koolau)	1.25	agr	25.00
S-3638	Maui Pineapple Co., Limited	4/14/61- 4/13/81	Por. of Gov't. Land of Kawaipapa, including Loko Waiohonu, Hana	.60	fpd	137.00
S-3640	Ulupalakua Ranch, Inc.	4/28/61- 4/27/82	Honokowai Mauka Gov't. Tract, Kaanapali, Lahaina	157.94	agr	3,800.00
			Lot 40, Nahiku Homesteads, Koolau	45.40	past	45.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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, Kahakuloa Homesteads, Wailuku (Kaanapali)	47.68	ele	60.00
S-3685	Wailuku Sugar Co.	1/12/62- 1/11/82	Lot 12-B-2, Kahakuloa Homesteads, Wailuku, (Kaanapali)	194.51	past	1,825.00
S-3686	Violet C. King	1/12/62- 1/11/82	Honopou Gov't. Remnant, por. of Honopou-West Makaiwa Tract	115.75	past	505.00
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- 5/16/82	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	Kealahaloa, 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	Kearnae, Hana (Koolau)	7.742	rec	150.00
S-3818	Dept. of Commerce, U.S. National Bureau of Standards	5/ 1/64- 4/30/67	Bldg. 99, Old Puunene Airport, Puunene	.011	fed	600.00
S-3819	Rose Nahinu	4/ 8/64- 4/ 7/84	Gov't. Remnant, Puuiki, Hana	6.000	past	53.00
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, Kahukuloa Hmstds., Wailuku, Maui	1.539	agr	109.00
S-3822	Walter Teixeira	4/ 8/64- 4/ 7/84	Lot 1, Upper Kualopa Lots, Makawao	20.820	past	85.00
S-3823	Victoria Kanoa	4/ 8/64- 4/ 7/74	Por. of Gov't. (Crown) Land, Kearnae & Gov't. Poalimas, Par. 1 & 2, Kearnae, 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
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 Waiakoa, 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-3921	John Tallman	7/20/65- 7/19/85	Gov't. Remnant, Omaopio Homesteads, Kula	13.25	agr	400.00
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/ 4/65- 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



## THIRD LAND DISTRICT Island of Oahu

### GENERAL LEASES—SUMMARY, THIRD LAND DISTRICT

Use	Area (acres)	Annual Rental	No. Leases
Agriculture, General .....	562.130	\$ 27,989.95	52
Business .....	19.728	17,911.00	10
Eleemosynary .....	127.467	12,336.00	5
Federal Government .....	7,262.644	1.00	7
Industrial .....	108.728	31,176.00	5
Pasture .....	686.405	3,311.00	8
Pineapple .....	578.265	17,119.45	1
Recreational .....	64.800	150.00	1
Residential .....	1.470	900.00	4
Rights of Way.....	84.087	6,601.35	47
Water licenses, reservoirs, etc. ....	4,620.130	31,012.00	33
<b>TOTALS</b> .....	<b>14,115.854</b>	<b>\$ 148,507.75</b>	<b>143</b>

### GENERAL LEASES AND LICENSES—THIRD LAND DISTRICT—JUNE 30, 1966

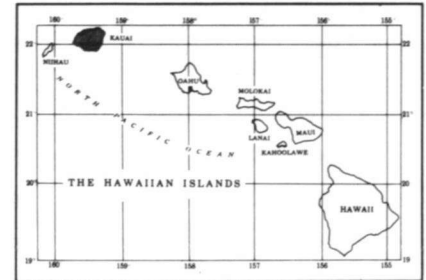
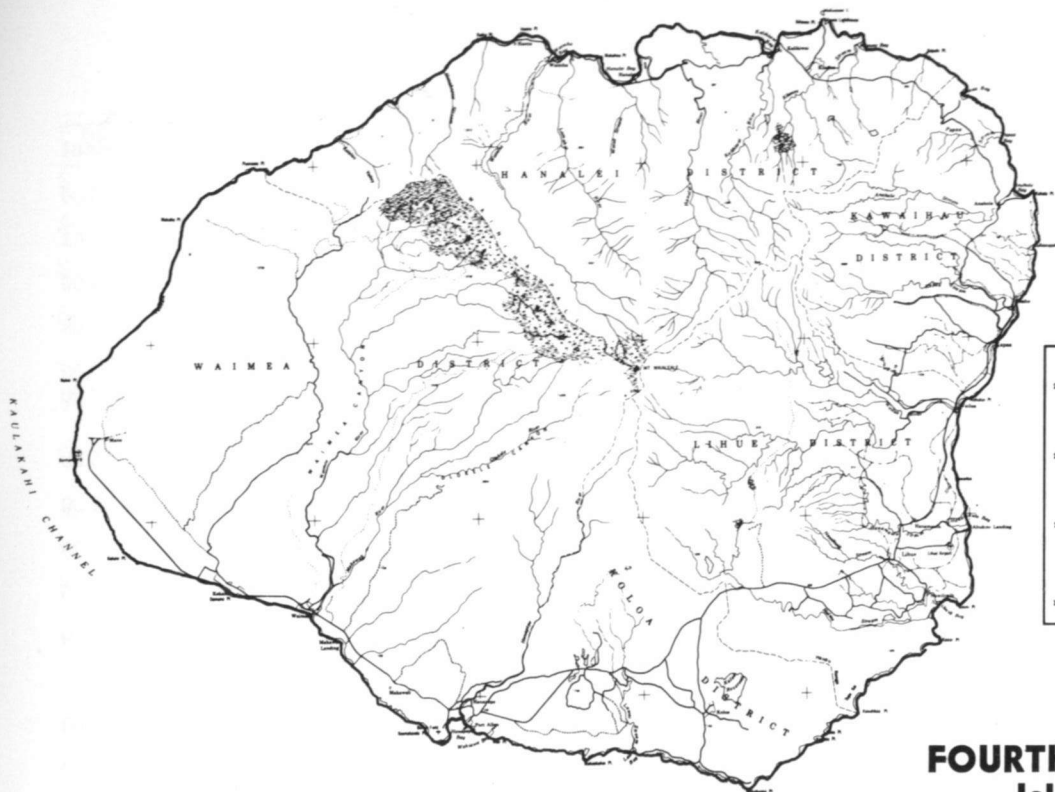
No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L- 810	Waiahole Water Co., Ltd.	5/27/16- 5/27/76	Waiahole, Koolaupoko		wtr	\$15,000.00
L-1755	Hawaiian Electric Co., Ltd.	4/ 7/26- Indefinite	Auwaiolimu & Kewalo	.21	r/w	1.00
L-1756	Hawaiian Electric Co., Ltd.	6/21/21- Indefinite	Waialae	1.02	r/w	12.00
F-2955	Hawaiian Electric Co., Ltd.	7/20/42- 5/24/98	Schofield Barracks	.548	fed	1.00
L-3116	Waianae Development Co., Ltd.	9/ 4/45- 9/ 3/66	Waianae	4.44	r/w	25.00
3117	Wilbert H. S. & Flora K. Choi	11/17/45-11/16/66	Makiki, Honolulu	4.559	agr	600.00
3118	Honolulu Gas Co., Ltd.	4/ 2/46- 4/ 1/67	Waiaka, Honolulu	.018	r/w	75.00
3120	Claus & Mary Roberts	12/30/46-12/29/67	Kamoiliili, Waiaka Lots 35, 36 & 37	.210	bus	1,149.00
3121	Larry F. C. Ching	4/ 2/46- 4/ 1/67	Waimanalo, Koolaupoko	50.72	past	280.00
L-3153	Hawaiian Telephone Co.	8/ 6/46- 8/ 5/67	Pearl City, Ewa	.031	bus	75.00
3178	Hawaiian Telephone	12/28/46-12/27/67	Waimanalo, Koolaupoko	.06	bus	250.00
3179	Lanakila Crafts, Inc.	3/ 8/60-12/27/67	Lanakila Ave., Kapalama, Honolulu	.73	ele	250.00
3180	Andres Domingo Carino	12/28/46-12/27/67	Kawaiiiki (Lanakila), Honolulu	.29	res	180.00
3197	Antone F. Pereira	2/10/47- 2/ 9/68	Lualualei, Waianae	.40	res	100.00
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



No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
L-3385	Hawaiian Electric Co., Ltd.	4/ 4/51- 4/ 3/72	Keaahala, Kaneohe, Koolaupoko	1.02	r/w	\$ 12.00
3386	Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Nanakuli, Waianae	.90	bus	100.00
L-3387	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	4/ 4/51- 4/ 3/72	Waimanalo, Koolaupoko	2.28	r/w	32.00
3388	Abel S. Santos	1/ 1/52-12/31/73	Kaneohe, Koolaupoko	89.50	agr	770.00
3389	Oahu Sugar Co., Ltd.	4/ 4/51- 4/ 3/72	Waimalu, Kaumiumi, Ewa	7.613	past	106.00
3390	(Mrs.) Apolonia Rose	7/ 1/51- 8/31/72	Aiea, Ewa	.60	res	540.00
3391	Harold Chung-Hoon	4/ 4/51- 4/ 3/72	Keaau, Waianae	476.91	past	300.00
3429	Hawaiian Telephone Company	6/ 6/52- 6/ 5/73	Kalawahine & Opu (Tantalus), Honolulu	2.37	bus	200.00
L-3430	Hawaiian Cement Corp.	1/28/60- 6/ 5/73	Lualualei, Waianae	17.89	ind	100.00
3459	Hawaiian Electric Co., Ltd. & Hawaiian Telephone Co.	12/ 7/53-12/ 6/74	Pupukea-Paumalu, Koolauloa	.03	r/w	12.00
3462	Kahuku Plantation Company	12/ 7/53-12/ 6/68	Makaua, Koolauloa	3.77	agr	100.00
3464	Herbert K. Pililaau Post #12 of the American Legion, Dept. of Hawaii	12/ 7/53-12/ 6/74	Lualualei, Waianae	2.116	ele	25.00
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
3469	Doty J. K. Pekelo	4/ 5/54- 4/ 4/75	Waianae-Kai	97.39	past	275.00
3470	Wibert 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 Miekko 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	Roswell M. Towill	2/21/56- 2/20/77	Kaneohe Bay, Kahaluu, Koolaupoko	.18	res	80.00
3540	California Packing Corporation	7/ 1/57- 6/30/72	Upper Puohala, Waikele, Ewa	578.265	pine	17,119.45
3541	Kahuku Plantation Co.	2/21/56- 2/20/71	Waialea, Koolauloa	5.861	agr	175.85
3542	Edmund F. Lai	7/ 1/64- 2/20/71	Par. A-2, Waialea & Pahipahialua, Koolauloa	20.828	agr	860.00
3543	Edmund F. Lai	7/ 1/64- 2/20/71	Par. B-2, Waialea & Pahipahialua, Koolauloa	11.582	agr	755.00
3544	The Eye of the Pacific, Incorporated	2/21/56- 2/20/77	Lot 12, Piliamoo Hse. Lots & Remnant, Moiliili, Honolulu	.55	ele	60.00
3545	Clarence Chuck Tan	3/27/63- 2/20/77	Lot CC-2-B, Kuwili, Kapalama-Kai, Honolulu	7.408	ind	21,000.00
L-3562	Hawaiian Electric Co., Ltd.	6/18/56- 6/17/77	Piliamoo, Kanewai, & Waahila, Honolulu		r/w	24.00
3563	Castle & Cooke, Inc.	8/ 1/56- 7/31/77	Wahiawa, Waialua	.13	wtr	12.00
3564	Advertiser Publishing Co., Ltd. & KULA Broadcasting Corp.	8/27/56- 8/26/77	Kaakaukukui, Honolulu	.08	bus	1,400.00
3565	GEM International, Inc.	10/26/60- 8/26/77	Kuwili, Honolulu	3.075	ind	9,000.00
S-3689	Ornellas, Inc.	10/15/63- 3/31/72	Nimitz Highway between Maunakea & Smith Sts., Honolulu	.133	bus	8,400.00
S-3702	Honolulu Gas Co., Ltd.	3/21/62- 3/20/92	Wilikina Dr., Wahiawa	.051	r/w	220.00
S-3709	The Oceanics Foundation	5/ 2/63-10/20/2027	Waimanalo, Koolaupoko	118.0	ele	12,000.00
S-3710	University of Hawaii	9/ 1/62- 8/31/67	Waimanalo, Koolaupoko	119.45	agr	
S-3724	Hawaiian Electric Co., Ltd.	1/14/63- 1/13/2028	Waianae-Uka, Wahiawa	3.00	r/w	3,600.00
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-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	45.81	r/w	1.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
S-3809	Canadian Overseas Telecommunications Corporation	4/ 2/64- 4/ 1/2029	Keawaula, Waianae	3.979	ind	\$ 1,000.00
S-3811	Consolidated Amusement Co., Ltd.	4/ 2/64- 4/ 1/2029	Kalauao, Ewa	.015	r/w	125.00
S-3812	Kahuku Plantation Co.	4/ 2/64- 4/ 1/84	Hauula, Koolauloa	1.391	r/w	130.00
S-3813	U.S.A. (Navy)	7/ 1/64- 6/30/79	Gov't. Lands at Nanakuli Lualualei, Waianae	.397	r/w	1.00
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-3847	U.S.A. (Army)	8/17/64- 8/16/2029	Kapalama Military Reservation, Tract C	11.36	fed	Gratis
S-3848	U.S.A. (Army)	8/17/64- 8/16/2029	Makua Training Area, Parcels A & B	1,515.121	fed	Gratis
S-3850	U.S.A. (Army)	8/17/64- 8/16/2029	Kahuku Training Area, Kahuku	1,149.72	fed	Gratis
S-3851	U.S.A. (Army)	8/17/64- 8/16/2029	Lualualei Maneuver Area, Lualualei	57.825	fed	Gratis
S-3864	University of Hawaii	7/ 1/65- 6/30/2030	Kaakaukui, Honolulu	6.071	ele	1.00
S-3896	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead easement over por. E. O. 1346, Kapalama, Honolulu	.115	r/w	75.00
S-3897	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	25-ft. wide easement for overhead electric transmission line, over and across H.H.L., Nanakuli	3.79	r/w	84.00
S-3898	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Underground easement, Makiki Forest Ridge Lots, Honolulu	.079	r/w	50.00
S-3899	First National Bank of Hawaii	3/11/65- 3/10/2030	Lots 25 & 25-A, Auwaiolimu Lots, Honolulu	.299	r/w	600.00
S-3900	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead easement at Kuwili & Kapalama, Honolulu	.118	r/w	73.00
S-3901	Hawaiian Electric Co., Inc. & Hawaiian Telephone Co.	3/11/65- 3/10/2030	Overhead & underground easement for electric transmission line, Mao Lane, Honolulu	.006	r/w	5.00
S-3902	Oahu Sugar Company	3/11/65- 3/10/2005	Pipeline & utility easement at Waipahu, Waikale	.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	.081	r/w	1.00
S-3904	Hawaiian Electric Co., Inc.	3/11/65- 3/10/2030	Overhead & underground easement across Kalihi Waena School, Honolulu	.583	r/w	260.00
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-3907	Oahu Sugar Company	3/11/65- 3/10/2030	Pipeline easement, Waikale Stream, Waipahu, Ewa	.134	r/w	16.75
S-3915	Francis I. Tsuzuki & Morio Omori	6/21/65- 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	1.00
S-3951	Aloha Council, Boy Scouts of America	3/ 1/66- 3/10/2021	Parcels A & B, Por. of Gov't. (Crown) Land of Pupukeya, Koolauloa	64.800	rec	150.00
S-3967	City and County of Honolulu	4/15/66- 4/14/71	Lualualei, Waianae		r/w	Gratis
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 Waialea Boy's Home, Koolauloa	12.854	bus	6,324.00
<b>WAIMANALO AGRICULTURAL LEASES</b>						
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/ 1/83	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	Lot 9, Waimanalo Agricultural Subdivision, Koolaupoko	3.742	agr	\$ 300.00
S-3758	Kazuto Yamada	12/ 2/63-12/ 1/83	Lot 10, Waimanalo Agricultural Subdivision, Koolaupoko	4.094	agr	350.00
S-3759	Kawahara Nursery & Landscaping Co., Ltd.	12/ 2/63-12/ 1/83	Lot 11, Waimanalo Agricultural Subdivision, Koolaupoko	4.486	agr	375.00
S-3760	Kaname & Ethel H. Tanaka	12/ 2/63-12/ 1/83	Lot 12, Waimanalo Agricultural Subdivision, Koolaupoko	4.635	agr	390.00
S-3761	Philip P. Minn Plant Nursery	2/ 2/64- 2/ 1/84	Lot 13, Waimanalo Agricultural Subdivision, Koolaupoko	4.014	agr	360.00
S-3762	Henry Hiroshi Miyamoto	2/ 2/64- 2/ 1/84	Lot 14, Waimanalo Agricultural Subdivision, Koolaupoko	5.137	agr	420.00
S-3763	John G. Kilbey & Charles K. Baker	12/ 2/63-12/ 1/83	Lot 15, Waimanalo Agricultural Subdivision, Koolaupoko	5.256	agr	410.00
S-3764	Evergreen Nurseries	12/ 2/63-12/ 1/83	Lot 16, Waimanalo Agricultural Subdivision, Koolaupoko	3.228	agr	295.00
S-3765	Harry N. Okabe & Irene Okabe	12/ 2/63-12/ 1/83	Lot 25, Waimanalo Agricultural Subdivision, Koolaupoko	7.787	agr	560.00
S-3766	Rodney H. & Iris T. Fukui	12/ 2/63-12/ 1/83	Lot 26, Waimanalo Agricultural Subdivision, Koolaupoko	7.001	agr	725.00
S-3767	Ronald Lindsey	12/ 2/63-12/ 1/83	Lot 27, Waimanalo Agricultural Subdivision, Koolaupoko	7.195	agr	515.00
S-3768	Stanley S. Kawabata	12/ 2/63-12/ 1/83	Lot 28, Waimanalo Agricultural Subdivision, Koolaupoko	6.836	agr	515.00
S-3769	Mun On and Rosalind K. Chang	12/ 2/63-12/ 1/83	Lot 29, Waimanalo Agricultural Subdivision, Koolaupoko	5.515	agr	540.00
S-3770	Hiroshi & Sallie Ikene	12/ 2/63-12/ 1/83	Lot 30, Waimanalo Agricultural Subdivision, Koolaupoko	5.794	agr	430.00
S-3771	Samuel L. W. Kapahua	12/ 2/63-12/ 1/83	Lot 31, Waimanalo Agricultural Subdivision, Koolaupoko	10.005	agr	1,000.00
S-3772	Walter S. S. Zane & Florence F. Zane	12/ 2/63-12/ 1/83	Lot 32, Waimanalo Agricultural Subdivision, Koolaupoko	6.521	agr	1,300.00
S-3773	Lloyd W. Martin	12/ 2/63-12/ 1/83	Lot 34, Waimanalo Agricultural Subdivision, Koolaupoko	9.686	agr	650.00
S-3774	Katsumi Mashita	12/ 2/63-12/ 1/83	Lot 35, Waimanalo Agricultural Subdivision, Koolaupoko	8.541	agr	585.00
S-3775	Mieko Antoku	12/ 2/63-12/ 1/83	Lot 36, Waimanalo Agricultural Subdivision, Koolaupoko	8.860	agr	600.00
S-3776	James F. Ching	12/ 2/63-12/ 1/83	Lot 37, Waimanalo Agricultural Subdivision, Koolaupoko	8.513	agr	490.00
S-3777	Raymond Y. C. Ching	12/ 2/63-12/ 1/83	Lot 39, Waimanalo Agricultural Subdivision, Koolaupoko	7.883	agr	515.00
S-3778	Melvin Y. S. Chang	12/ 2/63-12/ 1/83	Lot 40, Waimanalo Agricultural Subdivision, Koolaupoko	5.686	agr	420.00
S-3779	James A. Nakano & Takashi Ishihara	10/13/64-12/ 4/83	Lot 41, Waimanalo Agricultural Subdivision, Koolaupoko	6.032	agr	435.00
S-3780	Marion Freitas & Chiharu Yoneda	12/ 2/63-12/ 1/83	Lot 46, Waimanalo Agricultural Subdivision, Koolaupoko	6.705	agr	300.00
S-3782	Peter A. & Gertrude Pak Chong	12/ 2/63-12/ 1/83	Lot 38, Waimanalo Agricultural Subdivision, Koolaupoko	7.136	agr	550.00
S-3783	Henry, Joseph, & Theresa Castillo	2/ 5/64- 2/ 4/84	Lot 1, Waimanalo Agricultural Subdivision, Koolaupoko	11.092	past	705.00
S-3784	Edward D. & Carroll Sultan	12/ 2/63-12/ 1/83	Lot 22, Waimanalo Agricultural Subdivision, Koolaupoko	19.481	past	730.00
S-3786	George & Hazel K. Ilae	12/ 5/63-12/ 4/93	Lot 6, Waimanalo Agricultural Subdivision, Koolaupoko	4.630	agr	500.00
S-3787	William N. K. & Mary Y. Y. Kamai	12/ 2/63-12/ 1/93	Lot 7, Waimanalo Agricultural Subdivision, Koolaupoko	3.536	agr	245.00
S-3789	Shirley May Sumic	12/ 5/63-12/ 4/93	Lot 42, Waimanalo Agricultural Subdivision, Koolaupoko	1.146	agr	380.00
S-3792	Elizabeth Heavey & Eleanor Kaleimoni McLellan	12/ 5/63-12/ 4/93	Lot 45, Waimanalo Agricultural Subdivision, Koolaupoko	1.100	agr	380.00
S-3793	Robert L. & Anna K. Ham	12/ 2/63-12/ 1/93	Lot 18-A, Waimanalo Agricultural Subdivision, Koolaupoko	6.490	agr	950.00
S-3794	Arthur H. Zsupnik, dba Art's Liquidation Co.	12/ 2/63-12/ 1/93	Lot 18-B, Waimanalo Agricultural Subdivision, Koolaupoko	5.744	agr	700.00
S-3838	Maurice J. Sullivan	6/22/64- 6/21/94	Lots 17, 19, 20 & 21, Waimanalo Subdivision, Koolaupoko	62.704	agr	3,400.00
S-3854	William I. & Ann M. Wilson	8/10/64- 8/ 9/84	Lot 47, Waimanalo Agricultural Subdivision, Koolaupoko	5.492	agr	550.00
S-3856	Fred M. & Toshiko Nakayama	8/10/64- 8/ 9/84	Lot 9, Waimanalo Farm Lots, Koolaupoko	9.474	agr	570.00
S-3858	Warren Q. K. Yee & Ellen S. P. Yee	8/10/64- 8/ 9/84	Lot 8, Waimanalo Agricultural Subdivision, Koolaupoko	3.662	agr	570.00
S-3859	Harry N. & Irene M. Okabe	8/10/64- 8/ 9/84	Lots 56-A & 56-B, Waimanalo Farm Lots, Koolaupoko	8.928	agr	580.00
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	20.056	past	900.00



## FOURTH LAND DISTRICT Island of Kauai

### GENERAL LEASES—SUMMARY, FOURTH LAND DISTRICT

Use	Area (acres)	Annual Rental	No. Leases
Agriculture, General .....	386.298	\$ 11,225.20	49
Business .....	44.037	78,168.00	21
Sugar Cane .....	16,811.550	367,315.29	6
County .....	3.151	.....	1
Eleemosynary .....	1.840	240.00	1
Federal Government .....	675.015	601.00	4
Industrial .....	6.980	5,300.00	2
Pasture .....	9,447.469	13,742.23	40
Pineapple .....	86.760	2,349.63	2
Recreational .....	22.257	1,805.00	3
Residential .....	1.720	1,026.00	5
Rights of Way .....	149.273	5,408.50	13
Waste Lands .....	16,286.380	.....	(a)
Water licenses, reservoirs, etc. ....	125.000	92,400.00	2
<b>TOTALS</b> .....	<b>44,047.730</b>	<b>\$ 579,580.85</b>	<b>149</b>

(a) Included in sugar cane leases.

### GENERAL LEASES AND LICENSES—FOURTH LAND DISTRICT—JUNE 30, 1966

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3110	Yutaka Hamamura	9/25/46- 9/24/67	Lots 20-A & B, Anahola Lots	0.16	bus	\$ 20.00
3115	Waimea Garage, Ltd.	4/30/46- 4/29/67	Lot 83, Hanapepe Town Lots	0.26	bus	895.00
3122	Nicomedes A. Soliva	4/16/46- 4/15/67	Lot 6, Kekaha Town Lots	0.32	bus	100.00
3123	Fumio Kagawa	9/24/46- 9/23/67	Lots 2-10, Block D, Waimea	0.65	past	31.74
3142	Tokuichi Kano	6/ 5/46- 6/ 4/67	Lot 2-A, Hanapepe Town Lots	0.24	bus	50.00
3146	Charles B. Shimomura	6/ 5/46- 6/ 4/67	Lot 58-B, Hanapepe Town Lots	0.15	res	50.00
3172	Hiroshi Wakumoto	3/ 8/47- 3/ 7/68	Kainahola Pasture Land A, Kapaa Homesteads	32.50	past	160.00
3173	Peter Nyuk Heong Hew	3/ 8/47- 3/ 7/68	Kainahola Pasture Land B, Kapaa Homesteads	94.50	past	310.00
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	



No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3519	Hawaiian Fruit Packers, Ltd.	5/28/55- 5/27/70	Portion Lot 215-A-1, Kapaa Homesteads, Kawaihau, Puna	7.16	pine	\$ 236.00
3520	Hawaiian Fruit Packers, Ltd.	6/ 4/55- 6/ 3/70	Wailua, Kawaihau, Puna	79.60	pine	2,113.63
3546	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Wailua, Lihue, Puna	219.95 4,756.19	past cane	91,774.00
3547	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Anahola, Kamalomalo, Kawaihau, Koolau	2,581.40 1,919.50	cane	35,791.68
3548	Seichi Hoashi	8/21/56- 8/20/77	Kalaheo, Kona	1,818.20	waste	
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	33.12 43.92	past	235.00 240.00
3550	Ume Oshita	8/21/56- 8/20/71	Lots, Wailua, Lihue, Puna			
3551	Natsuyo Iwamoto	8/21/56- 8/20/71	Lot 81, Anahola Lots, Kawaihau, Puna	4.48	agr	25.00
3552	Magoichi Nishimoto	8/21/56- 8/20/71	Lot 7, Wailua Rice & Kula Lots, Wailua, Puna	3.84	agr	82.00
3553	Antone & Hattie Bandman	8/21/56- 8/20/71	Lot 3, Wailua Rice & Kula Lots, Wailua, Puna	5.07	agr	90.00
3554	McBryde Sugar Co., Ltd.	6/15/56- 6/14/71	Lot 62, Kapaa Homesteads, 1st Series, Kapaa, Puna	9.17	agr	300.00
3555	Haruo Kato	8/21/56- 8/20/71	Lot 10, Hanapepe Rice & Kula Lots, Waimea, Kona	11.07	agr	337.00
3556	Agnes K. Rogers	8/21/56- 8/20/71	Gov't. Remainder, Hanapepe, Kona, Waimea	22.42	agr	120.00
3557	Toshio Hashimoto	8/21/56- 8/20/71	Lot 33-A, Gov't. Remnants, Waimea Valley, Kona	0.29	agr	12.00
3558	Katherine V. Molale	8/21/56- 8/20/77	Lot 25, Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kona	4.08	agr	96.00
3560	Antone Martin, Jr.	8/21/56- 8/20/77	Lot 61-A, Anahola Lots, Koolau	0.23	res.	36.00
3577	Kilauea Sugar Co., Ltd.	1/ 1/59-12/31/79	Kuwaawaa Pasture Reserve, Kalaheo, Kona	183.00	past	375.00
S-3625	Manuel S. Andrade	3/15/61- 3/14/81	Papaa, Hanalei	7.12	r/w	200.00
S-3626	George B. Fernandes	3/15/61- 3/14/81	Kalaheo Reservoir #6, Kalaheo Homesteads, Koloa, Kona	7.34	past	36.00
S-3627	Toshiharu Yama & Richard C. Nagao	3/15/61- 3/14/73	Pasture Reserve "A," Kalaheo Homesteads, Kona	33.666	past	537.85
S-3628	Vernon K. White	3/15/61- 3/14/76	Gov't. Land of Wailua, Lihue	9.96	agr	200.00
S-3629	J. Albert Roesch	3/15/61- 3/14/86	Lots 11-16, Anahola Beach Lots, Anahola, Koolau	2.85	agr	100.00
S-3641	William K. Medeiros	8/ 8/61- 8/ 7/81	Land Adj. to Lot 30, Wailua Homesteads, Wailua, Puna	2.96	rec	180.00
S-3642	Helen Henriques Souza	5/11/61- 5/10/66	Lots 47-A & 47-B, Omao Homesteads, Omao, Koloa	6.08	past	180.00
S-3644	Samuel Thronas	7/ 9/61- 7/ 8/71	Por. Lot 2-A, Kapaa Rice & Kula Lots, Kapaa, Puna	0.99	past	47.00
S-3645	Masao Takatsuki	5/11/61- 5/10/81	Lot 24, Wailua Rice & Kula Lots, Wailua, Lihue	13.86	past	750.00
S-3646	Samuel Thronas	5/11/61- 5/10/81	Par. 2, Wailua Pasture Lands, Wailua, Puna, Kawaihau	8.97	past	251.00
S-3649	Morris S. Shinsato	5/11/61- 5/10/91	Por. Gov't. Land of Wailua, Wailua, Puna	25.67	past	400.00
S-3650	August Aguiar	7/ 9/61- 7/ 8/91	Lot 28, Lawai Homesteads, Lawai, Koloa	7.54	past	421.00
S-3651	Harrison Kauai Johnson	7/ 9/61- 7/ 8/81	Lot 5-B, Kapaa Rice & Kula Lots, Kapaa, Puna	1.87	agr	180.00
S-3663	Takeshi & Betty Yamamoto	9/16/61- 9/15/71	Lot 34, Kapaa Homesteads, 1st Series, Kapaa, Puna	5.75	past	435.00
S-3664	Kekaha Sugar Co., Ltd.	8/18/61-12/31/68	Lots 58 & 61, Anahola Lots, Anahola, Koolau	2.65	agr	60.00
S-3665	Richard Vidinha	10/16/61-10/15/81	Old Mana School Lot, Por. Gov't. Land of Kekaha, Kekaha, Waimea	14.93	cane	253.00
S-3666	William & Evelyn Fernandes	10/16/61-10/15/91	Lots 15 & 16, Lawai Homesteads, Lawai, Kona	16.45	past	48.00
S-3667	Tsuta Okasako	9/ 1/61- 8/31/81	Lots 33, 34, 35 & 36, and Lots 36-A, 38 & 39, Hanalei Homesteads, Halelea	13.64	agr	175.00
S-3668	Lihue Plantation Co., Ltd.	8/18/61- 6/30/71	Lot 173, Kapaa Homesteads, 3rd Series, Kawaihau, Puna	27.40	agr	650.00
S-3671	William P. and Mary Jo Wilson	4/14/61- 4/13/81	Gov't. Lands at Kapaa, Wailua, Kawaihau, Puna	28.78	r/w	3,500.00
S-3674	William E. Fernandes	12/18/61-12/17/86	Kokee State Park, Waimea	3.18	bus	6,500.00
S-3675	Hironu & Toneyo Choriki	2/15/62- 2/14/83	Lot 25, Wailua Rice & Kula Lots, Wailua, Kawaihau, Puna	4.41	bus	250.00
			Lot 82, Hanapepe Town Lots, Hanapepe, Waimea	0.37	res	600.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
3519	Hawaiian Fruit Packers, Ltd.	5/28/55- 5/27/70	Portion Lot 215-A-1, Kapaa Homesteads, Kawaihau, Puna	7.16	pine	\$ 236.00
3520	Hawaiian Fruit Packers, Ltd.	6/ 4/55- 6/ 3/70	Wailua, Kawaihau, Puna	79.60	pine	2,113.63
3546	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Wailua, Lihue, Puna	219.95	past	
3547	Lihue Plantation Co., Ltd.	7/ 1/56- 6/30/71	Anahola, Kamalomalo, Kawaihau, Koolau	4,756.19	cane	91,774.00
3548	Seichi Hoashi	8/21/56- 8/20/77	Kalaheo, Kona	2,581.40	waste	
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	1,919.50	cane	35,791.68
			Lot 81, Anahola Lots, Kawaihau, Puna	1,818.20	waste	
3550	Ume Oshita	8/21/56- 8/20/71		33.12	past	235.00
3551	Natsuyo Iwamoto	8/21/56- 8/20/71		43.92	past	240.00
3552	Magoichi Nishimoto	8/21/56- 8/20/71	Lot 7, Wailua Rice & Kula Lots, Wailua, Puna	4.48	agr	25.00
3553	Antone & Hattie Bandman	6/15/56- 6/14/71	Lot 3, Wailua Rice & Kula Lots, Wailua, Puna	3.84	agr	82.00
3554	McBryde Sugar Co., Ltd.	8/21/56- 8/20/71	Lot 62, Kapaa Homesteads, 1st Series, Kapaa, Puna	5.07	agr	90.00
3555	Haruo Kato	8/21/56- 8/20/71	Lot 10, Hanapepe Rice & Kula Lots, Waimea, Kona	9.17	agr	300.00
3556	Agnes K. Rogers	8/21/56- 8/20/71	Gov't. Remainder, Hanapepe, Kona, Waimea	11.07	agr	337.00
3557	Toshio Hashimoto	8/21/56- 8/20/71	Lot 33-A, Gov't. Remnants, Waimea Valley, Kona	22.42	agr	120.00
3558	Katherine V. Molale	8/21/56- 8/20/77	Lot 25, Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kona	0.29	agr	12.00
3560	Antone Martin, Jr.	8/21/56- 8/20/77	Lot 61-A, Anahola Lots, Koolau	4.08	agr	96.00
			Kuwaawaa Pasture Reserve, Kalaheo, Kona	0.23	res.	36.00
3577	Kilauea Sugar Co., Ltd.	1/ 1/59-12/31/79		183.00	past	375.00
S-3625	Manuel S. Andrade	3/15/61- 3/14/81	Papaa, Hanalei	7.12	r/w	200.00
S-3626	George B. Fernandes	3/15/61- 3/14/81	Kalaheo Reservoir #6, Kalaheo Homesteads, Koloa, Kona	7.34	past	36.00
S-3627	Toshiharu Yama & Richard C. Nagao	3/15/61- 3/14/73	Pasture Reserve "A," Kalaheo Homesteads, Kona	33.666	past	537.85
S-3628	Vernon K. White	3/15/61- 3/14/76	Gov't. Land of Wailua, Lihue	9.96	agr	200.00
S-3629	J. Albert Roesch	3/15/61- 3/14/86	Lots 11-16, Anahola Beach Lots, Anahola, Koolau	2.85	agr	100.00
S-3641	William K. Medeiros	8/ 8/61- 8/ 7/81	Land Adj. to Lot 30, Wailua Homesteads, Wailua, Puna	2.96	rec	180.00
S-3642	Helen Henriques Souza	5/11/61- 5/10/66	Lots 47-A & 47-B, Omao Homesteads, Omao, Koloa	6.08	past	180.00
S-3644	Samuel Thronas	7/ 9/61- 7/ 8/71	Por. Lot 2-A, Kapaa Rice & Kula Lots, Kapaa, Puna	0.99	past	47.00
S-3645	Masao Takatsuki	5/11/61- 5/10/81	Lot 24, Wailua Rice & Kula Lots, Wailua, Lihue	13.86	past	750.00
S-3646	Samuel Thronas	5/11/61- 5/10/81	Par. 2, Wailua Pasture Lands, Wailua, Puna, Kawaihau	8.97	past	251.00
S-3649	Morris S. Shinsato	5/11/61- 5/10/91	Por. Gov't. Land of Wailua, Wailua, Puna	25.67	past	400.00
S-3650	August Aguiar	7/ 9/61- 7/ 8/91	Lot 28, Lawai Homesteads, Lawai, Koloa	7.54	past	421.00
S-3651	Harrison Kau Johnson	7/ 9/61- 7/ 8/81	Lot 5-B, Kapaa Rice & Kula Lots, Kapaa, Puna	1.87	agr	180.00
S-3663	Takeshi & Betty Yamamoto	9/16/61- 9/15/71	Lot 34, Kapaa Homesteads, 1st Series, Kapaa, Puna	5.75	past	435.00
S-3664	Kekaha Sugar Co., Ltd.	8/18/61-12/31/68	Lots 58 & 61, Anahola Lots, Anahola, Koolau	2.65	agr	60.00
S-3665	Richard Vidinha	10/16/61-10/15/81	Old Mana School Lot, Por. Gov't. Land of Kekaha, Kekaha, Waimea	14.93	cane	253.00
S-3666	William & Evelyn Fernandes	10/16/61-10/15/91	Lots 15 & 16, Lawai Homesteads, Lawai, Kona	16.45	past	48.00
S-3667	Tsutao Okasako	9/ 1/61- 8/31/81	Lots 33, 34, 35 & 36; and Lots 36-A, 38 & 39, Hanalei Homesteads, Halelea	13.64	agr	175.00
S-3668	Lihue Plantation Co., Ltd.	8/18/61- 6/30/71	Lot 173, Kapaa Homesteads, 3rd Series, Kawaihau, Puna	27.40	agr	650.00
S-3671	William P. and Mary Jo Wilson	4/14/61- 4/13/81	Gov't. Lands at Kapaa, Wailua, Kawaihau, Puna	28.78	r/w	3,500.00
S-3674	William E. Fernandes	12/18/61-12/17/86	Kokee State Park, Waimea	3.18	bus	6,500.00
S-3675	Hiromu & Toneyo Choriki	2/15/62- 2/14/83	Lot 25, Wailua Rice & Kula Lots, Wailua, Kawaihau, Puna	4.41	bus	250.00
			Lot 82, Hanapepe Town Lots, Hanapepe, Waimea	0.37	res	600.00

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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	William A. Cook	5/18/64- 5/17/2029	Lot A-2, Parts 1 & 2, Wailua Resort Site, Lihue	2.50	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	William A. Cook Hawaii, Inc.	7/ 6/64- 7/ 5/2029	Lot A-1, Wailua Resort Site, Wailua, Kauai	6.093	bus	18,000.00
S-3841	William A. Cook Hawaii, Inc.	7/ 6/64- 7/ 5/2029	Lots B, C, D, E, Wailua Resort Site, Wailua, Kauai	22.0	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/ 1/65- 1/10/85	Lots 32 & 33, Wailua Rice & Kula Lots, Wailua, Kauai	16.56	past	120.00
S-3881	Samuel K. Thronas	1/11/65- 1/10/85	Lots 23-A & 23-B, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	19.405	past	500.00
S-3882	East Kauai Water Co., Ltd.	1/11/65- 5/10/94	Lot 39, Kapaa Homesteads, 1st Series, Kapaa, Kauai	0.36	res	100.00
S-3883	Charles B. Shimomura	1/11/65- 1/10/85	Lot 58-A, Hanapepe Town Lots, 1st Series, Hanapepe, Waimea, Kauai	.181	bus	350.00
S-3884	Alfred Akana	1/11/65- 1/10/2020	Lot 12, Nawiliwili Harbor Lots, Nawiliwili, Lihue, Kauai	.785	bus	2,000.00
S-3885	Manuel Andrade, Jr.	3/19/65- 3/18/85	Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea, Kauai	3.08	agr	528.00
S-3889	Edward C. Shota	1/25/65- 1/24/85	Lots 16, 17, & 18, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	12.30	agr	501.00
S-3890	Minoru Sugita	1/25/65- 1/24/85	Lots 8-A & 8-B, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	8.43	agr	256.00
S-3891	Harry Toshio Saiki & Satoru Saiki	1/25/65- 1/24/85	Lots 9, 10, & 11, Wailua Rice & Kula Lots, Wailua, Kawaihau, Kauai	9.83	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, 29, 30 & 37, Hanalei Homesteads, Hanalei, Kauai	7.30	agr	150.00
S-3910	Betty Wakasa Ushigome	4/14/65- 4/13/85	Lot 54-B, Hanapepe Town Lots, 1st Series, Hanapepe, Kauai	.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 Olohena & Waipouli, Lihue & Kawaihau, Puna, Kauai	25.64	r/w	515.00
S-3912	William A. Cook	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	22.465	fed	600.00
S-3928	U.S.A.	9/ 1/65- 8/31/2030	Kokee, Waimea, Kauai	8.45	fed	1.00
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

No.	Lessee	Term of Lease	Land	Acres	Use	Ann. Rent
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
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	454.84	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 36-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	Lots 1, 1-A, 2, 2-A, 3, 3-A, 4, 4-A, 5, 5-A, 6, 6-A, 7, 7-A, 10 & 12, Kapaa Homesteads, 1st Series, Kawaihau (Puna), Kauai	26.72	agr	300.00
S-3976	Wilfred Kauai	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	23.92	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



# DIVISION OF STATE PARKS

**Table 1. STATE PARK AREAS, ACREAGE AND USAGE—BY ISLAND AND AREA: 1952 to 1966**

Island and State Park Area	Year Estab.	Acreage, June 30			Recreation Visits (1,000s) <sup>(1)</sup>		
		1952	1965	1966	1953	1965	1966
All Park Areas .....	....	5,422.4	7,513.5	7,513.5	75.5	1,893	2,710
<b>HAWAII</b> .....	....	13.2	174.9	174.9	35.5	471	660
Akaka Falls State Park.....	1952	....	65.4	65.4	24	43	142
Lava Tree State Monument.....	1956	....	17.1	17.1	....	49	69
MacKenzie State Park.....	1955	....	13.1	13.1	3	31	35
Manuka State Wayside.....	1952	13.2	13.2	13.2	8.5	55	43
Wailoa River State Recreation Area.....	1954	....	66.1 <sup>(5)</sup>	66.1 <sup>(5)</sup>	....	171	342
Mauna Kea State Park.....	1962	....	(4)	(4)	....	22	29
Kilauea State Recreation Area.....	1966	....	....	(4)	....	....	....
<b>MAUI</b> .....	....	9.1	23.2	23.2	5	179.5	309
Halekii-Pihana State Monument.....	1962	....	10.2	10.2	....	2	8.5
Iao Valley State Park.....	1961	....	3.9	3.9	....	143	218
Kaunahina State Wayside.....	1952	7.6	7.6	7.6	3.5	10	14
Keanae Valley State Wayside.....	1951	1.5	1.5	1.5	1.5	7	9.5
Poli Poli Spring State Recreation Area.....	1957	....	(6)	(4)	....	(6)	(6)
Puaa Kaa State Wayside.....	1954	....	(4)	(4)	....	9.5	13
Launiupoko State Wayside.....	1965	....	(4)	(4)	....	8	46
Waiianapapa State Park.....	1966	....	....	(4)	....	....	....
<b>MOLOKAI</b> .....	....	....	....	....	....	....	....
Palaa State Park.....	1955	....	233.7	233.7	....	3.5	3
<b>OAHU</b> .....	....	....	161.2	161.2	....	388	488
Diamond Head State Monument <sup>(2)</sup> .....	1962	....	145.3	145.3	....	....	....
Keaiwa Heiau State Park.....	1955	....	7.2 <sup>(5)</sup>	7.2 <sup>(5)</sup>	....	240	297
Leahi Park (local).....	1957	....	3.2	3.2	....	....	....
Puu O Mahuka State Monument.....	1962	....	4.0	4.0	....	....	....
Puu Ualakaa State Monument.....	1957	....	(4)	(4)	....	148	191
Ulu Po Heiau State Monument.....	1954	....	1.4	1.4	....	....	....
<b>KAUAI</b> .....	....	5,400.0	6,922.5	6,922.5	35	851	1,251
Kokee State Park.....	1952	4,640.0	4,640.0	4,640.0	35	235	358
Waimea Canyon State Park.....	1952	760.0	1,866.4	1,866.4	....	158	224
Wailua River State Park <sup>(3)</sup> .....	1954	....	416.0 <sup>(5)</sup>	416.0 <sup>(5)</sup>	....	457	668
Na Pali Coast State Park.....	1962	....	(4)	(4)	....	1	1

<sup>(1)</sup>Estimated visits, one visitor may account for more than one visit. For years ending June 30. Not available before 1953.

<sup>(2)</sup>Includes Na Laau Arboretum (1958; 9.5 acres).

<sup>(3)</sup>Includes Wailua River Reserve (1956; 297.4 acres), Kaunualii (1956; 4.3 acres), Fern Grotto (1956; 4.8 acres), Boat Basin (1962; 11.4 acres), Poliahu (1962; 59.0 acres), and Lydgate (1962; 39.2 acres).

<sup>(4)</sup>Acquired jurisdiction; no definite boundaries yet established.

<sup>(5)</sup>Acquired jurisdiction of additions; new boundaries not yet established.

<sup>(6)</sup>Administration transferred to Division of Forestry, 1963; retransferred to Division of State Parks, 1966.

**Table 2. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS AND EXPENDITURES BY YEARS—1952-1966**

Year <sup>(1)</sup>	Number of Areas <sup>(1)</sup>		Acreage <sup>(3)</sup>	Estimated Recreation Visits <sup>(1)</sup>	Operating Cost Per Visit	Expenditures in Dollars <sup>(1)</sup>		
						Total	Operating	C.I.P. <sup>(2)</sup>
1952 .....	5	5,422	NA	NA	NA	NA	NA	NA
1953 .....	7	5,500	76,000	16.4¢	12,458	12,458	....	....
1954 .....	9	5,739	79,000	24.6¢	19,469	19,469	....	....
1955 .....	14	5,829	148,000	8.5¢	20,109	12,575	7,534	....
1956 .....	15	5,846	154,000	8.5¢	28,914	13,102	15,812	....
1957 .....	16	6,138	164,000	8.2¢	25,473	13,432	12,041	....
1958 .....	18	6,166	239,000	5.9¢	16,134	14,134	2,000	....
1959 .....	18	6,166	243,000	9.0¢	24,695	21,712	2,983	....
1960 .....	18	6,166	267,000	14.1¢	49,445	37,549	11,896	....
1961 .....	18	6,166	297,000	27.1¢	542,905	80,558	462,347	....
1962 .....	21	6,410	489,000	24.5¢	482,150	119,676	362,474	....
1963 .....	23	6,410	666,000	26.2¢	387,918	174,764	213,154	....
1964 .....	22	6,412	1,196,000	16.9¢	492,666	202,184	289,482	....
1965 .....	22	7,516	1,893,000	10.3¢	860,307	195,506	664,801	....
1966 .....	26	7,516	2,710,000	9.5¢	2,256,056	256,824	1,999,232	....

NA—Not available.

<sup>(1)</sup>Year ended June 30.

<sup>(2)</sup>Capital improvement program, including land acquisition.

<sup>(3)</sup>Parks for which boundaries are not yet established are not included.

# DIVISION OF STATE PARKS

**Table 1. STATE PARK AREAS, ACREAGE AND USAGE—BY ISLAND AND AREA: 1952 to 1966**

Island and State Park Area	Year Estab.	Acreage, June 30			Recreation Visits (1,000s) <sup>(1)</sup>		
		1952	1965	1966	1953	1965	1966
All Park Areas .....	....	5,422.4	7,513.5	7,513.5	75.5	1,893	2,710
<b>HAWAII</b> .....	....	13.2	174.9	174.9	35.5	471	660
Akaka Falls State Park.....	1952	....	65.4	65.4	24	43	142
Lava Tree State Monument.....	1956	....	17.1	17.1	....	49	69
MacKenzie State Park.....	1955	....	13.1	13.1	3	31	35
Manuka State Wayside.....	1952	13.2	13.2	13.2	8.5	55	43
Wailoa River State Recreation Area.....	1954	....	66.1 <sup>(5)</sup>	66.1 <sup>(5)</sup>	....	171	342
Mauna Kea State Park.....	1962	....	(4)	(4)	....	22	29
Kilauea State Recreation Area.....	1966	....	....	(4)	....	....	....
<b>MAUI</b> .....	....	9.1	23.2	23.2	5	179.5	309
Halekii-Pihana State Monument.....	1962	....	10.2	10.2	....	2	8.5
Iao Valley State Park.....	1961	....	3.9	3.9	....	143	218
Kaunahina State Wayside.....	1952	7.6	7.6	7.6	3.5	10	14
Keanae Valley State Wayside.....	1951	1.5	1.5	1.5	1.5	7	9.5
Poli Poli Spring State Recreation Area.....	1957	....	(6)	(4)	....	(6)	(6)
Puaa Kaa State Wayside.....	1954	....	(4)	(4)	....	9.5	13
Launiupoko State Wayside.....	1965	....	(4)	(4)	....	8	46
Wai'anapanapa State Park.....	1966	....	....	(4)	....	....	....
<b>MOLOKAI</b> .....	....	....	....	....	....	....	....
Palaau State Park.....	1955	....	233.7	233.7	....	3.5	3
<b>OAHU</b> .....	....	....	161.2	161.2	....	388	488
Diamond Head State Monument <sup>(2)</sup> .....	1962	....	145.3	145.3	....	....	....
Keaiwa Heiau State Park.....	1955	....	7.2 <sup>(5)</sup>	7.2 <sup>(5)</sup>	....	240	297
Leahi Park (local).....	1957	....	3.2	3.2	....	....	....
Puu O Mahuka State Monument.....	1962	....	4.0	4.0	....	....	....
Puu Ualakaa State Monument.....	1957	....	(4)	(4)	....	148	191
Ulu Po Heiau State Monument.....	1954	....	1.4	1.4	....	....	....
<b>KAUAI</b> .....	....	5,400.0	6,922.5	6,922.5	35	851	1,251
Kokee State Park.....	1952	4,640.0	4,640.0	4,640.0	....	235	358
Waimea Canyon State Park.....	1952	760.0	1,866.4	1,866.4	35	158	224
Wailua River State Park <sup>(3)</sup> .....	1954	....	416.0 <sup>(5)</sup>	416.0 <sup>(5)</sup>	....	457	668
Na Pali Coast State Park.....	1962	....	(4)	(4)	....	1	1

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

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

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

(4) Acquired jurisdiction; no definite boundaries yet established.

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

(6) Administration transferred to Division of Forestry, 1963; retransferred to Division of State Parks, 1966.

**Table 2. STATE PARK AREAS, TOTAL ACREAGE, RECREATION VISITS AND EXPENDITURES BY YEARS—1952-1966**

Year <sup>(1)</sup>	Number of Areas <sup>(1)</sup>	Acreage <sup>(3)</sup>	Estimated Recreation Visits <sup>(1)</sup>	Operating Cost Per Visit	Expenditures in Dollars <sup>(1)</sup>		
					Total	Operating	C.I.P. <sup>(2)</sup>
1952 .....	5	5,422	NA	NA	NA	NA	NA
1953 .....	7	5,500	76,000	16.4¢	12,458	12,458	....
1954 .....	9	5,739	79,000	24.6¢	19,469	19,469	....
1955 .....	14	5,829	148,000	8.5¢	20,109	12,575	7,534
1956 .....	15	5,846	154,000	8.5¢	28,914	13,102	15,812
1957 .....	16	6,138	164,000	8.2¢	25,473	13,432	12,041
1958 .....	18	6,166	239,000	5.9¢	16,134	14,134	2,000
1959 .....	18	6,166	243,000	9.0¢	24,695	21,712	2,983
1960 .....	18	6,166	267,000	14.1¢	49,445	37,549	11,896
1961 .....	18	6,166	297,000	27.1¢	542,905	80,558	462,347
1962 .....	21	6,410	489,000	24.5¢	482,150	119,676	362,474
1963 .....	23	6,410	666,000	26.2¢	387,918	174,764	213,154
1964 .....	22	6,412	1,196,000	16.9¢	492,666	202,184	289,482
1965 .....	22	7,516	1,893,000	10.3¢	860,307	195,506	664,801
1966 .....	26	7,516	2,710,000	9.5¢	2,256,056	256,824	1,999,232

NA—Not available.

(1) Year ended June 30.

(2) Capital improvement program, including land acquisition.

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

Table 1. WAIMEA IRRIGATION SYSTEM—MONTHLY BILLINGS

		Water Sold (Gallons)	Acres Served	Service Charges	Additional Billings	Water Charges	Total Charges	Rainfall (Inches)
1964	July .....	10,787,220	140	\$ 315.00	.....	\$ 751.24	\$ 1,066.24	3.11
	August .....	12,134,130	142	319.50	.....	831.57	1,151.07	0.65
	September .....	11,136,490	143	321.75	.....	767.51	1,089.26	0.45
	October .....	8,880,190	144	324.00	.....	623.94	947.94	0.74
	November .....	6,964,720	144	324.00	.....	496.84	820.84	1.44
	December .....	5,040,430	149	335.25	.....	363.35	698.60	3.61
1965	January .....	3,684,080	149	335.25	.....	268.89	604.14	2.76
	February .....	4,028,880	149	335.25	.....	291.49	626.74	2.90
	March .....	5,542,880	149	335.25	.....	399.12	734.37	3.57
	April .....	5,210,050	151	339.75	.....	372.36	712.11	2.52
	May .....	6,632,320	152	342.00	.....	474.91	816.91	3.38
	June .....	14,312,820	154	346.50	.....	976.85	1,323.35	1.13
Total .....		94,354,210		\$ 3,973.50		\$ 6,618.07	\$ 10,591.57	
1966	July .....	13,454,160	154	346.50	.....	909.06	1,255.56	1.24
	August .....	9,127,060	157	351.00	.....	633.41	984.41	1.76
	September .....	11,823,170	159	357.75	.....	820.13	1,177.88	0.85
	October .....	7,168,520	159	357.75	.....	512.97	870.72	1.94
	November .....	4,733,730	162	364.50	.....	342.57	707.07	5.45
	December .....	5,031,400	162	364.50	.....	363.39	727.89	4.96
1966	January .....	9,637,962	164	369.00	.....	682.59	1,051.59	2.41
	February .....	3,323,430	167	375.75	.....	242.68	618.43	4.15
	March .....	11,888,610	170	382.50	.....	817.87	1,200.37	1.43
	April .....	14,668,900	170	382.50	.....	987.59	1,370.09	0.49
	May .....	14,427,050	175	393.75	.....	976.55	1,370.30	0.95
	June .....	13,117,310	180	405.00	.....	904.75	1,309.75	0.57
Total .....		118,401,302		\$ 4,450.50		\$ 8,193.56	\$ 12,644.06	

**Table 2. WAIMANALO IRRIGATION SYSTEM—Monthly Billings**

	Water Sold (Gallons)	Acreage Served	Service Charges	Additional Billings	Water Charges	Total Charges	Rainfall (Inches)
1964							
July .....	15,634,225	887,702	\$ 2,219.38	\$ 3.62	\$1,250.74	\$ 3,473.74	3.16
August .....	15,326,957	887,702	2,219.38	3.62	1,226.14	3,449.14	2.88
September .....	17,596,226	887,702	2,219.38	3.62	1,407.70	3,630.70	1.00
October .....	11,428,607	901,176	2,242.91	3.62	914.28	3,160.81	3.01
November .....	1,325,063	925,458	2,313.78	3.62	105.96	2,423.36	5.38
December .....	572,800	925,458	2,313.78	3.62	45.83	2,363.23	14.57
1965							
January .....	181,061	925,458	2,313.78	3.62	14.32	2,331.72	8.24
February .....	1,299,644	925,458	2,313.78	3.62	103.99	2,421.39	8.05
March .....	9,208,813	925,458	2,313.78	3.62	736.74	3,054.14	2.94
April .....	7,690,459	925,458	2,313.78	3.62	615.21	2,932.61	6.07
May .....	2,905,320	925,458	2,313.78	3.62	232.44	2,549.84	7.46
June .....	16,645,019	923,908	2,309.90	.....	1,331.57	3,641.47	1.14
Total .....	99,814,194		\$27,407.41	\$39.82	\$7,984.92	\$35,432.15	
1966							
July .....	12,450,569	923,908	2,309.90	.....	996.03	3,305.93	3.09
August .....	20,618,398	923,908	2,309.90	.....	1,649.45	3,959.35	2.01
September .....	13,700,940	923,908	2,309.90	.....	1,096.06	3,405.96	4.61
October .....	5,826,998	918,408	2,296.15	.....	466.14	2,762.29	13.89
November .....	373,626	911,308	2,278.40	.....	29.88	2,308.28	23.54
December .....	411,415	911,308	2,278.40	.....	32.92	2,311.32	9.04
January .....	3,514,229	911,308	2,278.40	.....	281.15	2,559.55	4.29
February .....	365,992	911,308	2,278.40	.....	29.29	2,307.69	9.49
March .....	8,044,282	905,208	2,227.73	.....	643.56	2,871.29	1.21
April .....	12,198,513	905,208	2,263.15	.....	975.88	3,239.03	1.24
May .....	9,299,045	905,208	2,263.15	.....	743.96	3,007.11	4.77
June .....	20,696,105	905,208	2,263.15	.....	1,655.69	3,918.84	0.72
Total .....	107,500,112		\$27,356.63	.....	\$8,600.01	\$35,956.64	