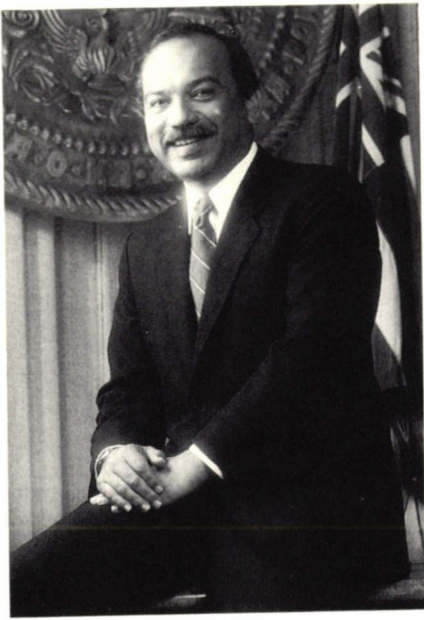


DEPARTMENT OF LAND & NATURAL RESOURCES  
Report to the Governor 1989-90







The Honorable John Waihee  
Governor of Hawaii

**Cover:** Lush vegetation, sandy beach, lava rocks, sparkling ocean —these natural resources make for great beach camping, Hawaiian style.





STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

P. O. BOX 621  
HONOLULU, HAWAII 96809

WILLIAM W. PATY, CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES

KEITH W. AHUE  
MANABU TAGOMORI  
RUSSELL N. FUKUMOTO

AQUACULTURE DEVELOPMENT  
PROGRAM  
AQUATIC RESOURCES  
CONSERVATION AND  
ENVIRONMENTAL AFFAIRS  
CONSERVATION AND  
RESOURCES ENFORCEMENT  
CONVEYANCES  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
PROGRAM  
LAND MANAGEMENT  
STATE PARKS  
WATER AND LAND DEVELOPMENT

December 19, 1990

The Honorable John Waihee  
Governor of Hawaii  
Executive Chambers  
State Capitol  
Honolulu, HI 96813

Dear Governor Waihee:

The decade of the 1980s ushered in a new era of appreciation and concern not only for Hawaii's natural resources, but also for national, international and global issues affecting our environment.

Increasing populations and growing competition for limited resources now affect local communities as they simultaneously impact international perspectives and initiatives.

A new and burgeoning world community of environmental advocates is setting the stage for the 90s. Unlike the past, however, it now consists of business people, educators, housewives, politicians, scientists and school children who no longer comprise merely a special interest group obscured on the fringes of society, but rather represent society itself. Individuals from all walks of life are now discovering common ground on environmental concerns where conflict and controversy once prevailed.

The mission of balancing public interests while protecting our environment has not yet been fully realized. In fact, the task is never complete. It requires our vigilance and perseverance to pursue this delicate and often complex undertaking.

I believe, however, that we are on the threshold of establishing new alliances between many diverse and seemingly incompatible segments within our society. Working together to safeguard the natural beauty of our island state while meeting the pressing needs of our community is an exciting opportunity that we must nurture and welcome. With your continued support and that of the Legislature, the Board of Land and Natural Resources and the general public that we serve, we are hopeful that these opportunities for cooperation, innovation and leadership can be realized to their fullest potential.

Our report for 1989-90 reflects our ongoing accomplishments and our hopes for the future.

Respectfully,

William W. Paty



Hikers explore some of the 45 miles of trails at Kauai's Kokee State Park and the surrounding forest reserves. Kokee is one of the most beautiful and popular wilderness recreation areas in Hawaii.







STATE OF HAWAII  
DEPARTMENT OF LAND  
& NATURAL RESOURCES

Report to the Governor  
1989-90

PART ONE

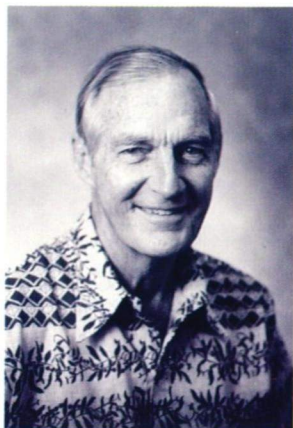
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# BOARD OF LAND & NATURAL RESOURCES



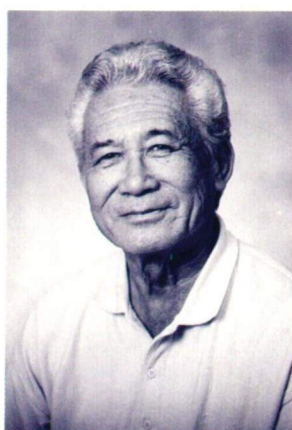
*William W. Paty*  
Chairperson  
(1/2/87 - 12/31/90)



*Moses W. Kealoha*  
Member at Large  
(1/2/82 - 6/30/90)



*William W.L. Yuen*  
Oahu Member  
8/22/89 - 11/30/90)



*Herbert K. Apaka Jr.*  
Kauai Member  
(7/1/88 - 6/30/92)



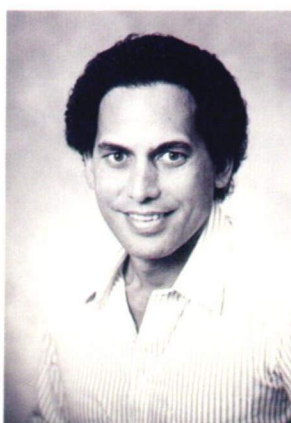
*John Y. Arisumi*  
Maui Member  
(6/30/88 - 6/30/89)



*Herbert Y. Arata*  
Hawaii Member  
(6/30/86 - 6/30/90)

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## DEPUTIES TO THE CHAIRPERSON



*Keith W. Ahue*



*Manabu Tagomori*

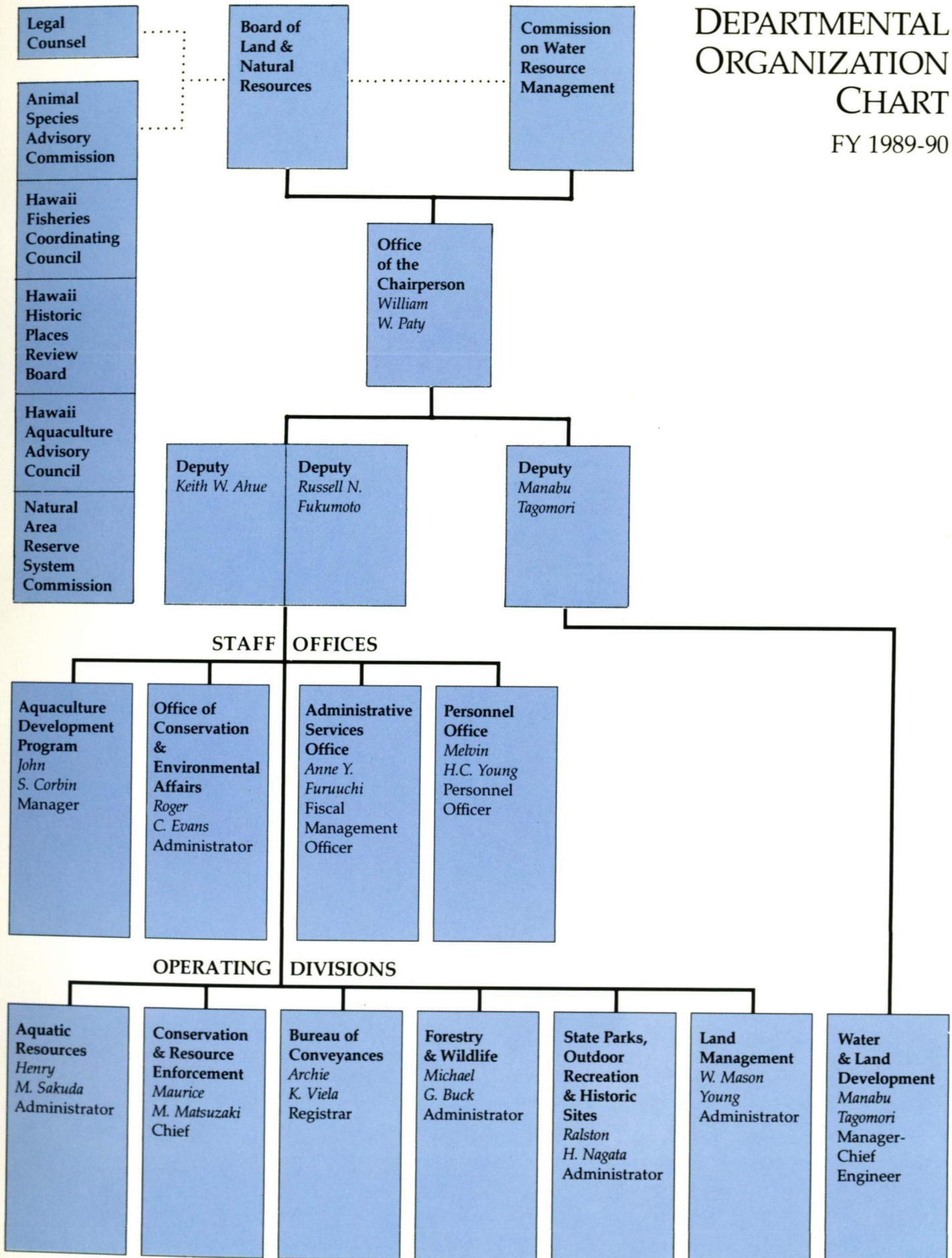


*Russell N. Fukumoto*



# DEPARTMENTAL ORGANIZATION CHART

FY 1989-90



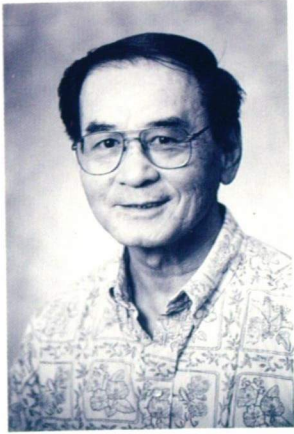




# PART ONE

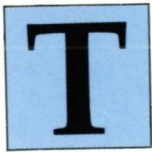
*Opposite page, ohia lehua, the most common native tree in Hawaii, is found throughout the State forest reserves.*





## DIVISION OF AQUATIC RESOURCES

**Henry M. Sakuda**  
*Administrator*



he Division of Aquatic Resources manages the State's marine and freshwater resources through programs in commercial fisheries and aquaculture, aquatic resources preservation, enhancement and education, and aquatic recreation. Major program areas include projects to maximize commercial fishery and aquaculture productivity, protect native and resident aquatic species and their habitat, and provide facilities and opportunities for recreational fishing consistent with the interests of the State.

### *Commercial Fishery and Aquaculture Program*

This program assists commercial fishery enterprises by increasing productivity through improvements in production methods, product processing, equipment usage and management methods. The program also develops new and improved aquaculture products by providing technical assistance and demonstration projects to enhance the quality and diversification of Hawaii's commercial fishery and aquaculture production.

#### *Fish Aggregating Devices (FADs)*

##### ACCOMPLISHED 1989-90

- ▶ Monitored 54 FAD sites; replaced 12 FADs; recovered 5 off-station FADs; performed light pack maintenance on 36 FADs
- ▶ Acquired the former National Data Buoy Center (NDBC) station #51005 mooring along with one 8'x20' Coast Guard buoy in the Alenuihaha Channel between Kipahulu, Maui and Upolu Point, Hawaii as a new state FAD
- ▶ Deployed a total of 12 midwater buoys in 4 locations 1-2 miles off South Molokai
- ▶ Purchased and refurbished five 40-foot cargo containers for storing additional FAD mooring lines to expedite the replacement of lost FADs
- ▶ Recorded 7,842 fishing trips to the FADs and 970,969 pounds of fish caught

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Assess FADs and relocate to more productive areas, specifically "X" and "V" buoys off West Oahu
- ▶ Deploy series of midwater FADs off Kaena Point, West Lanai

- ▶ Monitor fishing trips and landings at FADs
- ▶ Refurbish newly acquired Coast Guard buoy in the Alenuihaha Channel
- ▶ Deploy two new FADs off Hawaii and Kauai
- ▶ Continue volunteer buoy catch reply card system for recreational fishermen

### *Tuna Product Development*

##### ACCOMPLISHED 1989-90

- ▶ Initiated study to investigate frozen storage characteristics of aku pattie developed for fish burger

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Conduct monthly sensory taste tests of frozen vs. freshly prepared patties, and analyze chemical/mineral changes in the stored product

### *Commercial Fishing*

##### ACCOMPLISHED 1989-90

- ▶ Issued 2,952 Commercial Marine Licenses
- ▶ Monitored commercial fish catches
- ▶ Monitored increase of longline fishing fleet to some 110 vessels from 76 in 1989 and 50 in 1988; new entrants primarily from U.S. mainland ports

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Issue 3,000 Commercial Marine Licenses
- ▶ Monitor catches and value
- ▶ Continue to monitor fishing fleet and interaction among user groups

### *Aquaculture*

##### ACCOMPLISHED 1989-90

- ▶ Produced and sold approximately 5.6 million post-larval freshwater prawns to 22 local growers for stocking ponds; estimated value nearly \$90,000
- ▶ Provided technical assistance to 29 prawn growers; assisted private growers with development and operation of small recirculating hatchery and larval rearing systems
- ▶ Maintained mahimahi broodstock and distributed viable eggs to the University of Hawaii Institute of Marine Biology, the Oceanic Institute, and Waikiki Aquarium for larval rearing studies; tested tagging and release of limited number of juvenile and adult mahimahi
- ▶ Conducted larval rearing studies with mahimahi, penaeid shrimps, akule and crabs



*Trout stocking and rearing efforts at Puu Lua Reservoir in Kauai's Kokee State Park have resulted in dramatically higher catches. Cage-reared trout are released in the reservoir and park streams.*





*Aquatic biologists use electro-fishing gear to stun armored catfish for capture in an effort to rid a stream of exotic species.*

- ▶ Maintained disease-free stocks of marine shrimps (*Penaeus vannamei*, *P. monodon* and *P. stylirostris*)

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Meet the seed stock needs of local prawn growers until private hatchery available
- ▶ Provide technical farm and hatchery assistance to prawn growers
- ▶ Construct mahimahi rearing tank system at the Anuenue Fisheries Research Center; tag and release juvenile mahimahi
- ▶ Conduct larval rearing studies with various species including mahimahi, penaeid shrimps, akule, moi and crabs
- ▶ Maintain mahimahi and disease-free marine shrimp broodstock
- ▶ Construct baitfish holding and transfer facility in Hilo

#### DIPIRM Projects

##### ACCOMPLISHED 1989-90

- ▶ Purchased microcomputer equipment to upgrade and enhance Fisheries Information System of Hawaii, Phase II
- ▶ Hired consultants to implement Commercial Fisheries Licensing System
- ▶ Implemented the Anuenue Fisheries Research Center acquisition, analysis and information processing system

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Continue implementation of FISH and Commercial Fisheries Licensing System

#### Aquatic Resources Protection Program

This program preserves and enhances native and other resident fish and aquatic species and their habitats through active protection and other management measures.

#### Marine Life Conservation Districts (MLCDs)

##### ACCOMPLISHED 1989-90

- ▶ Monitored 9 MLCDs; surveyed potential sites at Waima Bay on Oahu and Red Hill, Kaiwi Point, Wawahi-waa and Honokohau on the Big Island
- ▶ Completed environmental assessment for a mooring system in the Molokini Shoal MLCD

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Monitor established MLCDs and continue surveys of potential sites; propose new MLCDs as appropriate
- ▶ Obtain permits for establishing and maintaining a permanent mooring system in the Molokini Shoal MLCD

#### Main Hawaiian Islands Marine Resources Investigation (MHI / MRI)

##### ACCOMPLISHED 1989-90

- ▶ Implemented MHI/MRI project through contracts with the Oceanic Institute, UH Sea Grant College Program and University of Hawaii Institute of Marine Biology; preliminary studies include stock assessment, ecological and resource use in Kaneohe Bay, Oahu and Hilo Bay, Hawaii; other studies address nutrient subsidies in nearshore waters, pelagic fish resources, biomass and species diversity around sewage outfalls and in recreational areas where fish feeding is practiced

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Continue MHI/MRI project; develop inventory of the current status of nearshore resources; evaluate results and use findings to propose management strategies as appropriate

#### Hawaii Fisheries Plan - 1990-95

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Implement project to assess trends, new developments, problems, issues, opportunities and status of Hawaii's commercial and recreational (consumptive and non-consumptive) fisheries







## Education Program

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### ACCOMPLISHED 1989-90

- ▶ Established permanent Information Specialist positions on islands of Oahu, Hawaii, Kauai and Maui
- ▶ Began development of aquatic education curriculum supplement materials in cooperation with the Department of Education for use in schools at K-12 grade levels
- ▶ Conducted public awareness campaign to prevent release of unwanted fish species into Hawaii's streams and reservoirs
- ▶ Initiated fishing education project on Oahu emphasizing conservation ethics

### PLAN TO ACCOMPLISH 1990-91

- ▶ Complete aquatic education curriculum supplement materials; test materials in selected public schools statewide
- ▶ Continue unwanted fish species campaign; promote aquatic conservation through media
- ▶ Expand fishing education program to neighbor islands

## Endangered Species Program

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### ACCOMPLISHED 1989-90

- ▶ Assisted the National Marine Fisheries Service in tagging 195 green sea turtles on Molokai; monitored green sea turtle nesting activity at Kawaaloa Bay, North Molokai
- ▶ Assisted Federal monk seal "Project Headstart" at Kure Atoll in the Northwestern Hawaiian Islands through provision of state permit; seven monk seal pups were born this year, with three females placed in a beach pen

### PLAN TO ACCOMPLISH 1990-91

- ▶ Assist Federal programs on marine mammals and sea turtles, including the issuance of necessary state permits and the preparation and implementation of recovery plans for threatened and endangered species

## Aquatic Recreation Program

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This program enriches the leisure time of people of all ages by providing opportunities and facilities for developing skills and participating in non-organized outdoor aquatic recreation activities such as saltwater and freshwater fishing, underwater photography, snorkeling and nature studies of aquatic organisms and their habitats.

## Public Fishing Areas (PFAs)

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### ACCOMPLISHED 1989-90

- ▶ Cage cultured and released 8,800 post-fingerling channel catfish in the Nuuanu PFA, Oahu to enhance survival
- ▶ Hatched 85,000 rainbow trout fingerlings for stocking in the Kokee PFA, Kauai; initiated experimental cage culture of 33,000 fingerling rainbow trout at Kokee using methods developed in the Nuuanu Reservoir
- ▶ Intensified evaluation of the effect of accidentally introduced species in freshwater streams and reservoirs and began to implement control measures

### PLAN TO ACCOMPLISH 1990-91

- ▶ Maintain and improve PFA gamefish stocking programs

- ▶ Reverse a long-term decline in trout fishing success in the Kokee PFA
- ▶ Provide special fishing opportunities for the disabled
- ▶ Increase the availability of public fishing areas
- ▶ Identify management problems and implement corrective measures

## Artificial Reefs

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### ACCOMPLISHED 1989-90

- ▶ Completed restoration of Keawakapu Artificial Reef, Maui by adding 1,200 concrete-tire module fish shelters; continued development of Waianae Artificial Reef, Oahu by adding 750 concrete-tire modules; continued build-up of Ewa Deepwater Artificial Reef, Oahu by adding 1,000 tons of boulders and concrete materials

- ▶ Monitored fish populations

### PLAN TO ACCOMPLISH 1990-91

- ▶ Continue development of Waianae, Maunalua Bay and Ewa Artificial Reefs, Oahu; expand boundaries of Ewa and Maunalua Bay reefs; locate potential new reef sites on neighbor islands
- ▶ Begin tag-recapture study on recently established fish communities at Keawakapu Artificial Reef, Maui
- ▶ Phase out construction of concrete-tire modules; initiate contract building of fish shelters using waste concrete

## Waikiki-Diamond Head

### Shoreline Fisheries Management Area (SFMA)

---

### ACCOMPLISHED 1989-90

- ▶ Opened area to fishing for one year from January 1, 1990 under special conditions; monitored public use and fish population trends

### PLAN TO ACCOMPLISH 1990-91

- ▶ Close Waikiki-Diamond Head SFMA to fishing from January 1, 1991 to recover fish population growth and continue monitoring fish population

## Native Fish Protection

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### ACCOMPLISHED 1989-90

- ▶ Conducted a workshop/symposium for reviewing the status of known native stream fisheries and ecosystems
- ▶ Initiated a literature review of aquatic insects in Hawaii with Bishop Museum
- ▶ Altered plans for a fish ladder in the Waikolu Stream, Molokai to more effective management actions to reduce the impact of dewatering in favor of the goby *Lentipes*
- ▶ Developed better surveying methods for identifying, counting and estimating size of native gobies in streams
- ▶ Intensified reconnaissance surveys of freshwater streams

### PLAN TO ACCOMPLISH 1990-91

- ▶ Publish proceedings of the workshop/symposium on native stream fisheries and ecosystems in Hawaii, conducted in FY 1989-90
- ▶ Apply systems dynamics modelling to stream ecosystems problems
- ▶ Design and implement a monitoring plan to define native species occurrence and population cycling in streams
- ▶ Initiate a research program to collect background information essential for the management of freshwater stream ecosystems in Hawaii
- ▶ Begin to identify freshwater streams in need of special protection

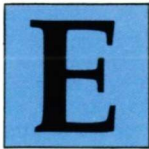
*Left, counting fish for marine surveys of nearshore ecosystems is part of an aquatic biologist's job.*





## DIVISION OF CONSERVATION & RESOURCES ENFORCEMENT

**Maurice M. Matsuzaki**  
*Chief*



*Malama Pono I'a Hawai'i—to preserve and protect Hawai'i.* The Division of Conservation and Resources Enforcement Officers proudly wear this motto on their uniforms. These officers are responsible for the enforcement of laws and rules regulating fish and wildlife, state parks, land management, forests and beaches. It is also

DOCARE's responsibility to educate the public about conservation and preservation of Hawaii's land and natural resources and to protect the people who use these resources.

Eradication of marijuana on State-owned lands is a priority function of the division. Marijuana cultivation in our forest areas adversely affects the safety and well-being of residents and tourists who use these areas for hunting, hiking, and other recreational purposes.

The Division of Conservation and Resources Enforcement also is responsible for the administration of the Hunter Education Program. The eleven-hour certification course is designed to educate Hawaii's residents in outdoor safety and resource conservation and is offered free of charge to the public.

### ACCOMPLISHED 1989-90

- ▶ Reviewed policy and procedures relating to patrol, marine patrol and canine programs, began work on revising and updating the manual
- ▶ Established a computer program to evaluate data on patrol activities and enforcement actions
- ▶ Evaluated test results and reviewed aerial eradication of marijuana using glyphosate, a biodegradable herbicide





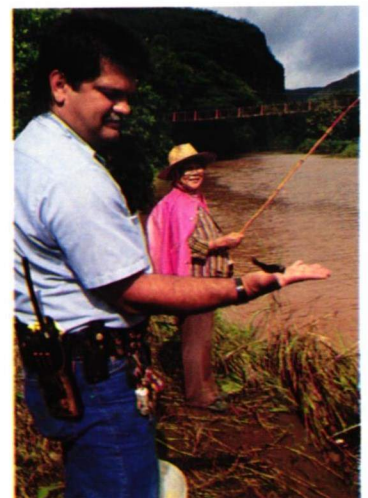
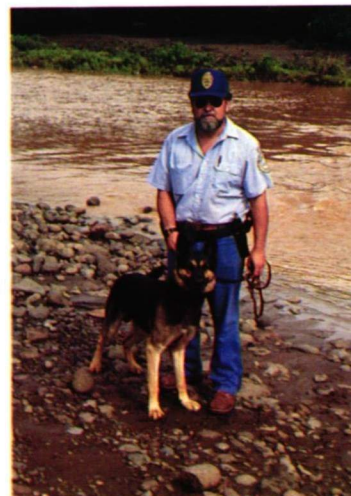
- ▶ Destroyed 232,274 marijuana plants with a street value of \$464,548,000 in operations on islands of Hawaii and Molokai
- ▶ Received legislative appropriation of \$992,322 for the marijuana eradication program for FY 1991
- ▶ Acquired office and classroom space at a centralized location to accommodate the hunter education program
- ▶ Certified 1,742 outdoor sportspersons in the Hunter Education Program
- ▶ Continued efforts to locate a suitable site for an Oahu outdoor recreational facility to support firearm and archery target shooting

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Finalize draft of policy and procedures manual, implement revisions as required
- ▶ Upgrade statewide communications system with emphasis on improving equipment capabilities on the islands of Kauai and Hawaii
- ▶ Acquire a new patrol boat for the island of Hawaii
- ▶ Develop an eradication program plan for FY 90-91 based on geographic priority areas
- ▶ Continue to meet the needs/demands of the public by providing as many hunter education courses as funding and resources will allow



*Enforcing hunting and fishing laws is the responsibility of the Division of Conservation and Resources Enforcement. Left below, dropping into Kauai's Waimea Canyon by helicopter, enforcement officers issue citations for hunting without orange vests and licences. Above, Volunteer teaches hunter education class at Kamehameha School, Oahu. Below, skipper presents commercial fishing license to enforcement officers during a routine check at Port Allen, Kauai. Bottom left, Stephen Palama uses his canine, Kahu, for assistance and protection on the job. Bottom right, Patrick Kenney inspects native o'opu caught legally by hook at Waimea River, Kauai.*







## BUREAU OF CONVEYANCES

**Archie K. Viela**  
Registrar

**S**ince the Great Mahele of 1848, real estate transactions have been preserved in the Bureau of Conveyances. Chapters 501-502, Hawaii Revised Statutes, authorize the Bureau to record all legal documents relating to real estate transaction. The State of Hawaii is unique in that it is the only State that maintains a single statewide recording office for the transfer of land titles.

Due to the different statutory requirements, the division operates as two parallel units, Land Court Recording Branch and Regular System Recording Branch. The Land Court Recording Branch process and preserves documents and maps affecting title to lands registered in the Land Court and issues a Land Court Certificate of Title showing the vested ownership, which is guaranteed by the State of Hawaii. The Regular System Recording Branch process and preserves legal and land title documents affecting unregistered lands.



*Changes at the Bureau of Conveyances mean faster, more efficient service. Top, at the recording counter, customer gets prompt service without waiting in a long line. Bottom, customer uses coin-operated microfiche machine for high-quality copies of documents. Right, Susan Okamoto works the evening shift to pre-check documents for accuracy for recording the next morning.*

### ACCOMPLISHED 1989-90

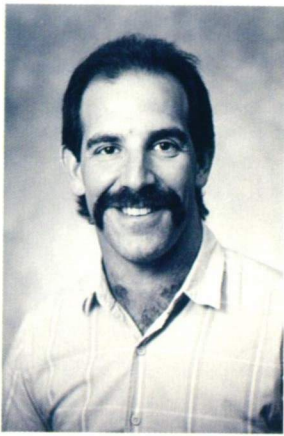
- ▶ Examined, recorded and processed 205,445 documents in the Regular System
- ▶ Reduced the Regular System document processing backlog from 3 months to 2 months
- ▶ Examined, recorded and processed 98,943 documents in the Land Court System and issued 20,826 new Certificate of Titles
- ▶ Reduced the 3 years backlog to 2½ years in the Land Court System
- ▶ Contracted with data processing firm for data input services of the Land Court Certificates of Titles
- ▶ Drafted and submitted revisions of the Hawaii Revised Statutes, Administrative Rules relating to recordation in Regular System
- ▶ Promulgated the Rules of the Land Court System
- ▶ Collected: \$8,090,748 Conveyances Taxes; \$11,109,245 Regular System fees, and \$8,889,464 Land Court fees
- ▶ Received approval to reorganize division

### PLAN TO ACCOMPLISH 1990-91

- ▶ Examine, record and process 213,000 documents presented for recordation in Regular System
- ▶ Reduced the Regular System document processing backlog from 2 months to 10 days
- ▶ Examine, record and process 104,000 documents presented for recordation in the Land Court System and issue 21,000 new Certificates of Titles
- ▶ Reduce the 2½ years backlog to 1½ years in the Land Court System
- ▶ Implement reorganization of division
- ▶ Promulgate the Hawaii Revised Statutes, Administrative Rules relating to recordation of Regular System documents

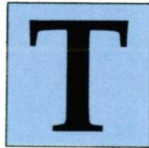






## DIVISION OF FORESTRY AND WILDLIFE

**Michael G. Buck**  
*Administrator*



The Division of Forestry and Wildlife is responsible for the management of State-owned forests, natural areas, public hunting areas, and plant and wildlife sanctuaries. Program areas cover watershed protection, native resources protection including unique ecosystems and endangered species of plants and wildlife, outdoor recreation, and commercial forestry.

### ***Watershed Protection and Management Program***

The goal of the Watershed Protection and Management Program is to continue to protect, improve and enhance the condition of the vegetative cover and soil to retard rapid run-off of storm flows, prevent soil erosion and improve infiltration of water into the soil to help ensure viable water yields of the quality and quantity needed.

#### **ACCOMPLISHED 1989-90**

- ▶ Controlled noxious plants and weeds on 177 acres
- ▶ Controlled erosion on 5 acres
- ▶ Planted 3,000 tamarisk seedlings on Kahoolawe for a total of 2.4 miles of windbreak protecting 74 acres
- ▶ Removed 115 wild cattle in forest reserves on Maui and 43 in Kau and Kapapala forest reserves on Hawaii
- ▶ Conducted a basic fire training class on Maui for new employees from DOFAW as well as for other State agencies
- ▶ Fought 17 fires encompassing 2,458 acres
- ▶ Supported legislation regarding watershed management, which was eventually passed by the Legislature and signed into law by the Governor (Act 201). This law requires lessees to jointly develop and implement watershed management plan with DLNR.
- ▶ Established the Banana Poka Eradication Program on Maui. Removed 414,300 seedlings, 259,513 juveniles, 67,953 vines with flowers, and 57,550 vines with fruits of the banana poka on 166.4 acres using 563.1 hours of work by volunteer groups and prison inmates.
- ▶ Distributed the *Colletotrichum* fungus on Hawaii, Maui, Molokai, Oahu and Kauai and monitored its biological effect on *Clidemia hirta*, a noxious weed
- ▶ Distributed the *Cyanotricha* insect on Hawaii and Kauai and monitored its biological effect on the noxious weed Banana Poka

#### **PLAN TO ACCOMPLISH 1990-91**

- ▶ Fight fire aggressively and safely in the wildland fire protection areas and render assistance to cooperators as needed and dictated by mutual aid pacts
- ▶ Provide advanced fire training classes to DOFAW employees and other State agencies
- ▶ Continue the Banana Poka Eradication Program on Maui
- ▶ Establish procedures in developing watershed management plan as required by Act 201
- ▶ Continue the planting of windbreaks on Kahoolawe

### ***Native Resources Protection and Enhancement Program***

The goal of the Native Resources Protection and Enhancement Program is to protect and enhance unique native plant and animal species and examples of relatively unmodified native ecosystems for their productive value to science, education, and industry and the cultural enrichment of future generations.

### ***Native Ecosystems***

#### **ACCOMPLISHMENTS 1989-90**

##### ***Non-Native Animal Control***

- ▶ Removed 25 pigs from the West Maui Natural Area Reserve (NAR) in cooperation with Maui Land and Pineapple Co.; eliminated 1,052 goats, 54 pigs, and 24 deer from the pali areas adjoining the Puu Alii and Olokui (Molokai) reserves
- ▶ Started pig control in the Mt. Kaala and Pahole (Oahu) reserves
- ▶ Increased intensive rodent control on Green Island, Kure Atoll (226 acres)
- ▶ Developed a program for dealing with the possible introduction of the brown tree snake, including training on snake detection and control methods for the Brown Tree Snake Contingency Plan Committee and the establishment of seven snake watch attack teams, 2 on Oahu and 1 on each of the other main islands
- ▶ Installed pig monitoring transects in the lower half of the Waimanu National Estuarine Research Reserve

##### ***Fencing***

- ▶ Constructed, in cooperation with the Nature Conservancy, a one-mile pig control fence across the adjoining Kamakou Preserve on Molokai to prevent pig migration into the Puu Alii (Molokai) NAR
- ▶ Purchased fence materials for the Puu Makaala (Hawaii) and Kuia and Hono O Na Pali (Kauai) Natural Area Reserves
- ▶ Constructed a 1.3-mile fence section in the Hanawi (Maui) NAR
- ▶ Completed 6 barrier fences to prevent the mauka movement of pigs into the Eke Summit region of the West Maui NAR
- ▶ Constructed a pig control fence on the Mt. Kaala (Oahu) NAR summit plateau to protect the montane bog ecosystem

##### ***Weed Control and Vegetation Enhancement***

- ▶ Treated Ficus trees in a 16-acre section of the Laupahoehoe (Hawaii) NAR with herbicide by tree injection methods
- ▶ Monitored and cleared 25 acres of blackberry in the Mt. Kaala reserve





- ▶ Established and monitored herbicide test plots to measure effectiveness of various treatment methods
- ▶ Planted 5.4 acres of trees, shrubs, and herbaceous plants on Oahu's coastal Wildlife Sanctuaries
- ▶ Controlled vegetation on 154 acres of Paiko Lagoon and Mokuauia Wildlife Sanctuary

#### *Logistics and Infrastructure*

- ▶ Designed and constructed a portable field shelter to house equipment and staff which was transported to the newly established base camp in the remote Hanawi NAR
- ▶ Maintained the loop trail in the Manuka (Hawaii) NAR as well as trails in the Pahole reserve and the boardwalk in the Mt. Kaala reserve
- ▶ Installed a portable radio-repeater in the Puu O Umi NAR to provide radio communication from the bottom of Waimanu Valley of the Waimanu NERR
- ▶ Repaired eroded areas and removed non-native plants on the Waimanu National Estuarine Research Reserve's (NERR) 8-mile Muliwai Trail between the valleys of Waipio and Waimanu

#### *Personnel and Administration*

- ▶ Established the 876-acre Kanaio Natural Area Reserve (Maui) which includes some of the best remaining native dryland forest in the State
- ▶ Coordinated and guided 370 volunteers who contributed 1,370 hours of labor maintaining trails, building pig control fences, controlling noxious weeds and removing litter
- ▶ Provided hunter safety and fire fighting training classes to NARS personnel
- ▶ Completed all requirements (public hearings, land use approvals) for the preparation of the Executive Order set aside for the 3,600-acre Waimanu National Estuarine Research Reserve (Hawaii)
- ▶ Five permanent natural area specialists jobs were approved by the 1990 Legislature
- ▶ Conducted resource evaluation surveys of Kawainui Marsh and worked for the passage of an act which mandates a fee simple acquisition of the Marsh by the State

#### *Research*

- ▶ Taped oral history accounts from 5 former residents of Waimanu Valley
- ▶ Started a study on the ecology and community structure and dynamics of native fish species in the Waimanu NERR estuary by the University of Hawaii personnel
- ▶ Initiated a 1-year detailed archaeological survey in the Waimanu NERR

- ▶ Awarded 11 grants to support research related to the management of resources in Natural Area Reserves to University of Hawaii and Bishop Museum scientists

#### **PLAN TO ACCOMPLISH 1990-91**

- ▶ Manage non-native plants and animals to reduce their damaging impact on native ecosystems
- ▶ Maintain and improve access into Natural Area Reserves
- ▶ Establish nature study trails; initiate the development of environmental education programs
- ▶ Provide opportunity and guidance to volunteer groups to participate in natural area management
- ▶ Maintain the undisturbed condition of priority natural area reserves

### *Threatened and Endangered Species*

#### **ACCOMPLISHMENTS 1989-90**

##### *Endangered Plants*

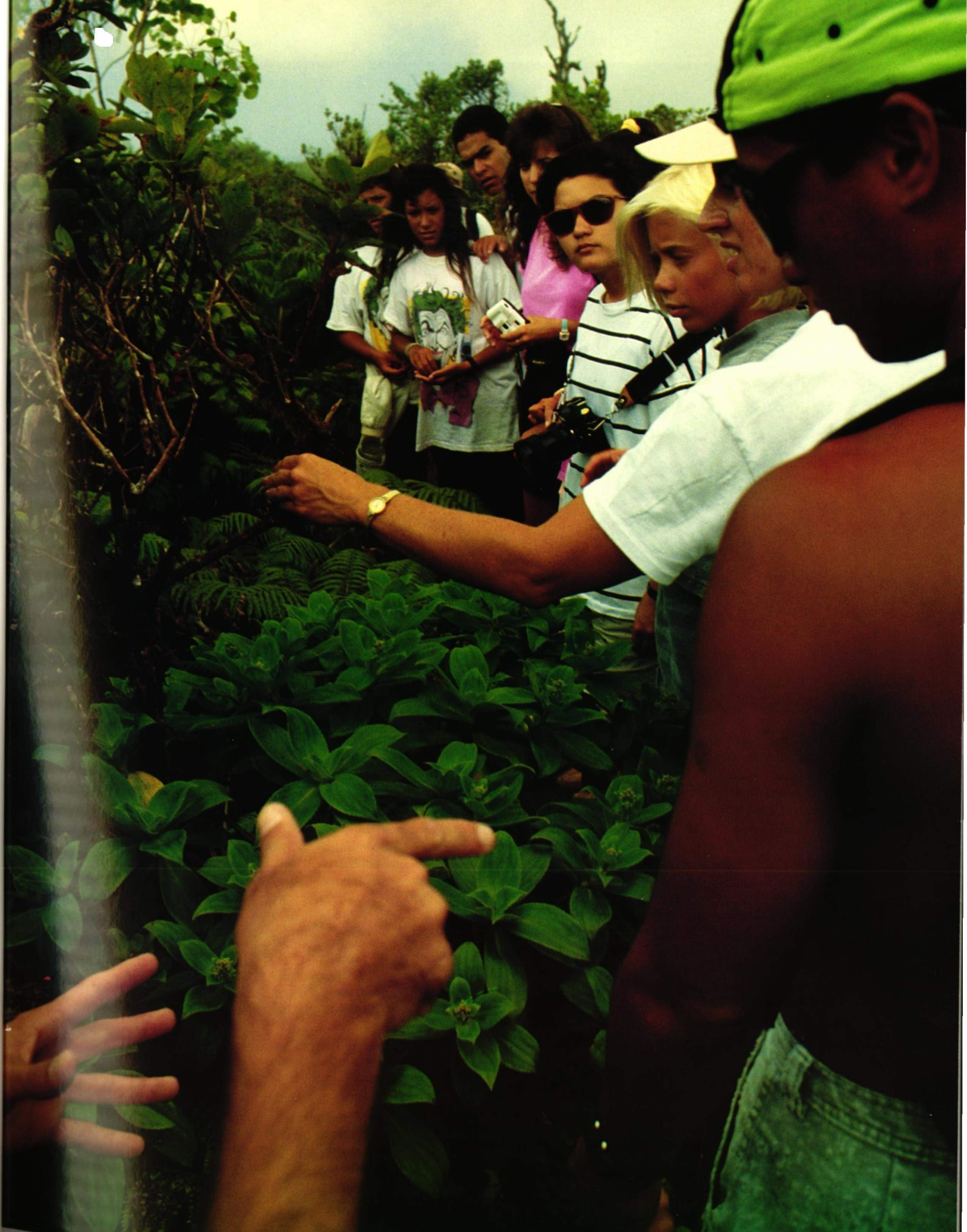
- ▶ Built a pig enclosure fence in the Pahole (Oahu) NAR to protect 1 of 2 remaining populations of *Cyanea superba*, an endangered species candidate
- ▶ Established a plant sanctuary for the last known Nau (*Gardenia brighamii*) on Moloka'i
- ▶ Continued propagation work on the *Kokia cookei* on Maui, so that 3 trees and 12 grafts, which comprise two thirds of the world's population of this critically endangered plant, now grow on the grounds of the Kahului DOFAW Nursery
- ▶ Established field exclosures to protect 2 endangered plant species: *Sesbania tomentosa* at Mokolea, West Maui and *Lycopodium mannii* at Manawainui, Kahikinui, East Maui
- ▶ Developed and funded cooperative agreement with the National Tropical Botanical Garden to collect rare plant material and develop propagation techniques for future outplanting
- ▶ Maintained 36 acres of native plant sanctuaries on Hawaii
- ▶ Developed 1 acre of native plant sanctuary on Hawaii

##### *Olinda Endangered Species Facility*

- ▶ Produced 1 alala chick (Kinohi) at the Olinda ESF
- ▶ Transported 10 pairs of nenes and 17 Hawaiian ducks (koloa) from Pohakuloa facility on Hawaii to the Olinda ESF
- ▶ Produced 9 nene for release from 4 pairs of nene at the Olinda ESF
- ▶ Constructed 4 new buildings at Olinda ESF (Endangered Species Facility): Isolation/Infectious Quarantine Building; Injured/Non-infectious Building; Brooding/-Foster Development Building; and a 10-unit Breeding Pair Building for nenes
- ▶ Added an emergency water supply (10,000-gal. tank) and constructed 2,600 feet of perimeter security-fence at Olinda ESF.
- ▶ Completed the Phase II CIP project and developed plans for new endangered forest bird captive propagation facilities for Phase III at the Olinda ESF

*Top, forestry worker carefully transplants seedlings at Kamuela Central Tree Nursery, Hawaii. The nursery provides more than 400,000 seedlings per year for reforestation of public and private lands. Right, students learn about protecting native ecosystems at Mt. Kaala Natural Area Reserve on Oahu's highest point, 4,025 feet elevation.*









- ▶ Conducted a limited survey for endangered forest birds in critical habitat areas of Kauai
- ▶ conducted biannual waterbird censuses on Kauai and Niihau
- ▶ Accomplished a metes and bounds survey, and an archaeological/paleontological survey for the planned Kawaie Water Bird Sanctuary, and obtained land use zoning approvals for its development
- ▶ Salvaged 49 barn owls and pueos for diagnosis of disease problems occurring on Kauai
- ▶ Conducted 2 censuses of the endangered palila on Mauna Kea, Hawaii
- ▶ Developed a cooperative nene nutritional research program with the Wildfowl and Wetlands Trust, Slimbridge, England, U.S. National Park Service, and the U.S. Fish and Wildlife Service
- ▶ Developed a 5-year plan for the management and restoration of Hawaiian wildlife with federal funding
- ▶ Obtained \$182,000 of federal monies for endangered wildlife programs

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Increase the number of *Kokia cooki* to be propagated on Maui
- ▶ Continue to develop native plant sanctuaries throughout the State
- ▶ Continue to support the collection and propagation of rare plant material for the eventual planting into protected habitats
- ▶ Work with private forest landowners on the Kona side of Hawaii to help improve forest bird habitat

### Outdoor Recreation Resource and Development Program

The goal of the Outdoor Recreation Resource and Development Program is to enrich leisure time of people of all ages and capabilities by providing opportunities and facilities for developing outdoor skills and participating in recreational activities such as hiking, hunting, camping, photography, and nature study.

#### ACCOMPLISHED 1989-90

##### Trails, Roads, Shelters

- ▶ Constructed 8.4 miles of roads, 10.7 miles of trails, 4 trail shelters, and 5.2 miles of fence line
- ▶ Maintained 285 miles of road, 264 miles of trails, and 37 miles of fenceline
- ▶ Maintained 1,062 acres of arboreta
- ▶ Maintained 39 trail shelters, 34 picnic campsites, 7 hunter checking stations, 96 wildlife water units and 47 viewpoints

##### Public Hunting

- ▶ Posted 220 hunter informational, boundary, and safety zone signs
- ▶ Maintained 20 and constructed 4 new game feeding sites
- ▶ Planted 15 acres of herbaceous cover and cleaned 167 acres of noxious shrubs for game habitat improvement
- ▶ Constructed two hunting area entrance gates (Kauai) and two self-checking hunter check stations (Oahu)
- ▶ Instituted first primitive firearm (black powder) hunting season for Axis deer on the island of Lanai and extended public hunting season for Axis deer on Lanai from 13 to 22 weekends



#### Rare and Endangered Forest and Waterbirds

- ▶ Recovered 1,500 threatened and endangered seabirds in the annual light attraction/fallout salvage effort and successfully returned 1,410 back to the wild
- ▶ Released 8 pairs of koloa ducks on Kanaha Pond, Maui
- ▶ Captured 1 pair of wild nene for captive breeding and banded 22 nene at Haleakala Crater
- ▶ Conducted a resource evaluation of Heeie Marsh, Oahu
- ▶ Coordinated and cooperated in planning initiatives between DOFAW, USFWS, and mainland zoos for the implementation of a surrogate captive breeding program for endangered Hawaiian forest birds
- ▶ Processed 20 Scientific Collecting Permits for studies of Hawaiian birds
- ▶ Conducted 2 statewide waterbird surveys
- ▶ Conducted surveys of the Hawaiian crow and other forest bird species at the Waiea tract, South Kona; at Puu Waawaa Wildlife Sanctuary, and at Honaunau Forest Reserve on Hawaii
- ▶ Monitored successful nesting of Nene in the wild on Kauai

*Top, fence enclosures at Kiua Natural Area Reserve, Kauai, protect Hawaii's unique plants from destruction from feral animals. Bottom, Division of Forestry and Wildlife constructs and maintains trail shelters and picnic areas to enhance outdoor recreation opportunities.*





- ▶ Coordinated special public hunts, through lotteries, for Axis deer, Blacktail deer, mouflon sheep and wild goats
- ▶ Amended Section 183D-10.5 (Act 083), HRS to authorize the charging of fees for works of art and wildlife stamps for revenues for the Wildlife Revolving Fund
- ▶ Opened up 19,540 acres of new public hunting area on state-owned (leased) land at Kapapala on the island of Hawaii
- ▶ Established a new public hunting area at Kahakuloa on the island of Maui by action of the Board of Land and Natural Resources. The addition of this 1,056-acre area will provide new opportunities for both game bird and feral pig hunting
- ▶ Commenced a study of the black Francolin Partridge, a game bird, to determine life history information for management implementation on the island of Molokai
- ▶ Completed 45% of the Statewide Trail and Access Inventory; began data collection of the shoreline trail and access portion of the Statewide Inventory through grants to the four counties. Target date for completion of the first major data collection phase is January 31, 1991.
- ▶ Supported an amendment to the Na Ala Hele law, Chapter 198D, HRS, to enable the Department to publish only the portion of the Statewide Inventory which identifies trails/accesses that are available for public use
- ▶ Completed 6 land title searches for 5 ancient trails on Lanai—1 old government road on Kauai, 1 ancient trail on Molokai, 2 ancient trails on Hawaii, and 1 old government road on Hawaii
- ▶ Formed a legal issues task force to assist in drafting legislation that will help to further relieve landowners of liability when permitting public recreation, free of charge, on their lands; hired a part-time coordinator to assist in the analysis of problems, potential short- and long-term solutions and to identify further research needs

### *Na Ala Hele Trails and Access Program*

#### STATEWIDE ACCOMPLISHMENTS

- ▶ Obtained approval by the 1990 Legislature for 6 permanent positions
- ▶ Completed and circulated the Draft Management Plan. The final plan is due 1/90
- ▶ Designed and purchased signs for highway markers, trail identification, and hazard warnings

*Above, the iiwi bird, once common to all islands, now is found only in the rain forests of Kauai, Maui and Hawaii. The birds were prized in olden times for making the feathered capes of Hawaiian royalty.*







- Updated and printed the Hawaii Island Recreation Map

#### *Ala Kahakai Trail System (Hawaii)*

- Repaired footbridge at Kiholo
- Improved and marked 3.5 miles of shoreline trail north of Kiholo Bay
- Began clearing fountain grass from about 1 mile of the Ala Loa north of Kiholo
- Obtained approvals from Hawaii County and Historic Preservation Division to do trail restoration work north of Kona Village Resort to Kiholo Bay
- Obtained agreement with representatives of landowner and lessees at Kaupulehu to allow trail restoration where it crosses their lands
- Reopened Humuula Trail on Hawaii after 12 years of closure with cooperation of Hamakua Sugar Co.
- Constructed vehicle barriers to protect the historic Hoapili Trail at La Perouse Bay on Maui with volunteers and Na Ala Hele advisory council
- Determined that the Keomoku Coastal Road on Lanai will be owned by the State
- Awarded archaeological survey contracts for Maui and Lanai to identify the historic demonstration trail route and nearby sites
- Identified concerns in opening the proposed Molokai demonstration trail with a meeting between the Na Ala Hele advisory council and representatives of Hawaiian Home Lands and Molokai Ranch
- Cleared approximately 5 miles of the demonstration trail in Maunawili Valley on Oahu; arranged flora and fauna survey for final trail construction
- Met with community groups to determine an alternate trail to Maunawili Falls
- Surveyed section of the Wailua Old Cart Road on Kauai

#### **PLAN TO ACCOMPLISH 1990-91**

- Continue to provide an outdoor recreational infrastructure of roads, trails, and shelters
- Increase public access opportunities for hiking and hunting by establishing a statewide trails and access system
- Increase outdoor educational opportunities by expanding nature trail system and providing educational materials
- Increase public access opportunities for hiking and hunting by establishing an access through state-owned lands on Maui and Hawaii
- Establish Na Ala Hele demonstration trails on all major islands

### **Forest Products Resource and Development Program**

The goal of the Forest Products Resource and Development Program is to grow high quality forest products in sustained yield systems to create job opportunities in rural areas and broaden Hawaii's economic base.

#### **ACCOMPLISHED 1989-90**

- Produced and distributed 404,398 tree seedlings

- Donated 2,000 native trees seedlings toward Earth Day's goal of planting 10,000 native trees in Hawaii
- Donated to the public 12,600 trees statewide for Arbor Day
- Prepared 171 acres for tree planting
- Planted 152 acres of trees
- Fertilized 145 acres of trees
- Pruned and thinned 23 acres of trees
- Established natural reproduction of trees on 10 acres
- Provided forestry assistance to over 80 landowners
- Sold over \$21,000 worth of forest products
- Provided urban forestry assistance to over 65 individual homeowners and groups

#### **PLAN TO ACCOMPLISH 1990-91**

- Increase the production of seedlings available for distribution and planting
- Increase forestry assistance to landowners
- Continue the timber stand improvement programs on all districts
- Draft and submit Forest Stewardship Assistance legislation for approval and implementation

### **Human Resource Development Program**

The goals of the Human Resource Development Program are to inform the general public about the wise use, uniqueness, and management programs necessary to protect, maintain, and develop Hawaii's natural resources and to develop volunteer programs for people to participate in appropriate natural resource management activities.

#### **ACCOMPLISHED 1989-1990**

- Coordinated and guided 370 volunteers who contributed 1,370 hours of labor maintaining trails, building pig control fences, controlling noxious weeds and removing litter
- Renovated the Kiolakaa cabin for use by the NARS field personnel and volunteers
- Developed an informational brochure for the Mt. Kaala reserve
- Assisted Hawaii Educational Television (KHET) in the production of a video documentary of the Heeia Wetlands, Oahu
- Completed production and distribution of the endangered bird video to the Hawaii Department of Education and 27 other agencies, conservation groups and individuals
- Participated in the ad hoc committee on leptospirosis and posted 50 leptospirosis warning signs
- Distributed over 700 "Hawaii Wildlife Plan" booklets

#### **PLAN TO ACCOMPLISH 1990-1991**

- Increase environmental education efforts through brochures, videos, and nature trails
- Establish cooperative management agreements with appropriate agencies
- Provide opportunity and guidance to volunteer groups to participate in natural area management
- Continue to work with various conservation agencies on various natural area projects

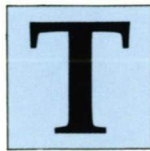
*The ohia is the first tree to appear on a new lava flow. Ancient Hawaiians believed that ohia groves were sacred to Pele, the volcano goddess. Its lehua blossoms are rich in nectar that attracts birdlife.*





## DIVISION OF STATE PARKS, OUTDOOR RECREATION & HISTORIC SITES

**Ralston H. Nagata**  
*Administrator*



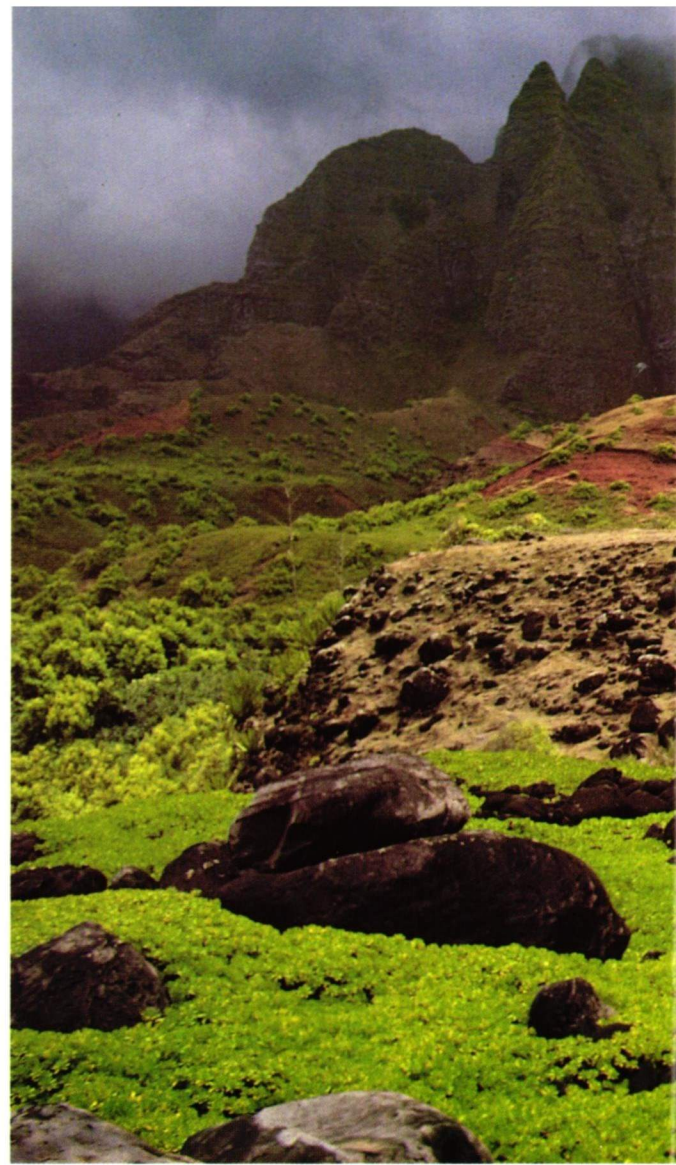
The Division of State Parks, Outdoor Recreation and Historic Sites administers the State Park System, the State recreation planning program and the historic preservation program. Basic activities relating to these functions are divided among two programs of the State's budgeting system: Heritage and Recreation Parks and General Administration for Culture and Recreation.

### *Heritage and Recreation Parks*

The purpose of this program is to enrich the leisure time of people of all ages by providing opportunities and facilities for nonorganized outdoor park recreation activities and by preserving and making available for appreciation and study places of historical, scenic and natural significance. Activities in this program include the acquisition of parklands, and the planning, development and management of parks with heritage and outdoor recreation values.

#### ACCOMPLISHED 1989-90

- ▶ Hired a park manager who began program development at Kahana Valley State Park, Oahu
- ▶ Renewed curator agreements at Ulu Po Heiau State Monument, Oahu and at Wailua River State Park, Kauai
- ▶ Acquired two parcels for establishment of Laie Point State Wayside, Oahu
- ▶ Initiated acquisition of lands at Kukaniloko Birthsite, Oahu to establish new State park; and at Wailea Beach for expansion of Hapuna Beach State Recreation Area, Hawaii
- ▶ Completed historical research on land use at Kaawaloa, Kealahou Bay State Historical Park, Hawaii
- ▶ Initiated preparation of park plans for Kiholo Bay area, Hawaii; Polihale State Park, Kauai; and Waianapanapa State Park, Maui
- ▶ Initiated planning and design for golf course and beach park at Hapuna, Hawaii
- ▶ Replaced hazardous fireplaces in housekeeping cabins at Kokee State Park, Kauai
- ▶ Undertook joint project with Hawaii Army National Guard to install playground equipment at Honolulu Stadium State Recreation Area, Oahu; and to relocate parking area and do other improvements at Sacred Falls State Park, Oahu
- ▶ Completed installation of emergency phones at Haena State Park and at Polihale State Park on Kauai



- ▶ Improved water system and constructed additional picnic facilities at Puua Kaa State Wayside, Maui
- ▶ Completed construction of State parks maintenance storage building within Hilo baseyard of Division of Forestry and Wildlife
- ▶ Removed selected banyan trees at Keolonahihi State Historical Park, Hawaii to preserve the archaeological resources

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Appraise private lands proposed for acquisition to establish major State park and wildlife sanctuary at Akoakoa Point-Pololu, Hawaii, and to provide preservation buffers at Puu o Mahuka Heiau State Monument, Oahu, and at Halekii-Pihana Heiaus State Monument, Maui
- ▶ Initiate master plan for shoreline park from Hanauma Bay to Makapuu Point, Oahu
- ▶ Initiate outdoor recreation master plan for Makiki-Tantalus and outdoor recreation development plan for Makiki Valley on Oahu
- ▶ Initiate development plan for Heeia State Park, Oahu
- ▶ Initiate park suitability study for Nuu Bay, Maui
- ▶ Prepare conceptual plan from perspective of Hawaiian community for Keolonahihi State Historical Park, Hawaii
- ▶ Complete biological survey of Na Pali Coast State Park, Kauai





- ▶ Complete reef study at Nualolo Kai, Na Pali Coast State Park, Kauai
- ▶ Complete beach and ocean recreation study at Haena and historical research on land use at Haena State Park, Kauai
- ▶ Prepare interpretive wayside exhibits for installation at Nuuanu Pali State Wayside, Oahu; Poliahu Lookout of Wailua River State Park, Kauai; and Ulu Po Heiau State Monument on Oahu
- ▶ Continue trail and lookout improvements at Akaka Falls State Park, Hawaii
- ▶ Expand picnic area at Hapuna Beach State Recreation Area, Hawaii
- ▶ Construct new campground facilities at Kalopa State Recreation Area, Hawaii
- ▶ Continue incremental retrofitting of facilities for handicap access: comfort station at Wailua River State Park, Kauai; and comfort station, walkway and parking stalls at Old Kona Airport State Recreation Area, Hawaii and at Sand Island State Recreation Area, Oahu
- ▶ Construct acoustical improvements to events pavilion at Old Kona Airport State Recreation Area, Hawaii
- ▶ Reroof pavilion, install new waterline and improve access road at Lava Tree State Monument, Hawaii
- ▶ Install water filtration and chlorination system at Mauna Kea State Recreation Area, Hawaii
- ▶ Construct covered walkway between luau pavilion and comfort station at Wailoa River State Recreation Area, Hawaii
- ▶ Landscape Boiling Pots Section of Wailuku River State Park, Hawaii
- ▶ Reconstruct access road and parking areas at Waianapanapa State Park, Maui
- ▶ Reconstruct roof of caretaker's residence at Palaau State Park, Molokai
- ▶ Install new irrigation system and reconstruct walkway for handicapped accessibility at Aina Moana State Recreation Area, Oahu
- ▶ Replace comfort station at Heeia State Park, Oahu
- ▶ Clear and grub selected areas for future development at Kahana Valley State Park, Oahu
- ▶ Continue coordination with Hawaii Community Development Authority and Office of State Planning for development of Kakaako Waterfront State Recreation Area, Oahu
- ▶ Install safety railings and construct walkways and decks at Makapuu Point State Wayside, Oahu

*Above, Kalalau Valley on Kauai is one of many scenic areas managed by the State Parks Division for their esthetic and inspirational values. Kalalau Valley, part of Na Pali Coast State Park, is a popular destination for backpackers on the Kalalau Trail and kayakers paddling along the coast.*





- ▶ Reconstruct park roadway and parking lot at Makiki-Tantalus, Oahu
- ▶ Install safety railings and reconstruct parking lot at Nuuanu Pali State Wayside, Oahu
- ▶ Initiate waterproofing of Kalakaua Crypt at Royal Mausoleum State Monument, Oahu
- ▶ Install flash flood warning system at Sacred Falls State Park, Oahu
- ▶ Begin construction for shore protection at Sand Island State Recreation Area, Oahu
- ▶ Install sewage pumping units and force main at Waimanalo Bay State Recreation Area, Oahu
- ▶ Initiate phase I for reconstruction of Hanalei Pier, Kauai
- ▶ Improve water storage tanks and museum building at Kokee State Park, Kauai
- ▶ Upgrade facilities at Wailua River State Park, Kauai: reconstruct roofs of buildings A and B at Marina, and construct comfort station and well at Fern Grotto
- ▶ Construct new waterline at main lookout of Waimea Canyon State Park, Kauai

### *Administration for Culture and Recreation*

The purpose of this program is to enhance program effectiveness and efficiency by formulating overall policies and plans, directing operations and personnel, and providing other administrative and housekeeping services. Major activities include: general administration, planning, contract administration, and reviewing projects for their impact on outdoor recreation resources and opportunities and for compliance with historic preservation procedures. This program also administers the Land and Water Conservation Fund and the National Historic Preservation Fund, and prepares the State Recreation Functional Plan and the State Historic Preservation Functional Plan.

### *The State Park System*

#### ACCOMPLISHED 1989-90

- ▶ Revised administrative rules for State Park System

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Hire consultant to develop effective hazard warning sign system for selected areas being managed by the Department to reduce accidents, injuries and resulting lawsuits
- ▶ Work with counties to determine if they can provide lifeguard services at selected State beach parks

- ▶ Conduct preliminary historical research into cultural landscape of heiau sites to assist in interpretation of these sites within the State Park System

### *State Recreation Planning*

#### ACCOMPLISHED 1989-90

- ▶ Conducted fourth annual Take Pride in America Awards Program
- ▶ Coordinated federal Land and Water Conservation Fund Program
- ▶ Conducted statewide outdoor recreation demand survey of resident and visitors as part of State Comprehensive Outdoor Recreation Plan (SCORP)
- ▶ Conducted Civil Rights Enforcement Compliance Workshop to provide guidance to recipient State and county agencies of Land and Water Conservation Fund Program

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Coordinate federal Land and Water Conservation Fund Program
- ▶ Coordinate fifth annual Take Pride in America Awards Program
- ▶ Complete revision of State Recreation Functional Plan
- ▶ Complete updating of State Comprehensive Outdoor Recreation Plan (SCORP)

### *Historic Preservation*

#### ACCOMPLISHED 1989-90

- ▶ Reviewed and commented on 1,400 development projects statewide; provided technical information and advice
- ▶ Researched and placed in Hawaii Register of Historic Places 10 historic properties or districts and 2 of them were included in the National Register of Historic Places
- ▶ Reorganized the Historic Sites Section into State Historic Preservation Division
- ▶ Established Burial Advisory Committees to advise State's program on treatment of burial sites, and supported passage of Act 306

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Adopt administrative rules for State Historic Preservation Division
- ▶ Complete the revision and update of the State Historic Preservation Functional Plan
- ▶ Implement Act 306 relating to burial sites
- ▶ Commence the archaeological inventory of Ohikilolo/Keaau area
- ▶ Complete the archaeological inventory of Hawaiian Home Lands' property in Nanakuli valley
- ▶ Undertake an inventory and publish a study on mid-nineteenth century church buildings
- ▶ Publish regional archaeological syntheses for O'oma and Hamakua
- ▶ Establish archaeological offices on the islands of Hawaii and Maui
- ▶ Develop a Historic Preserves Program

*Top, this pavilion at Waahila Ridge State Recreation Area, Honolulu, provides a quiet place to relax away from urban hustle and bustle. Right, Kauai's Nualolo Valley is included in a biological survey to inventory all animal species and plant communities of Na Pali Coast State Park.*



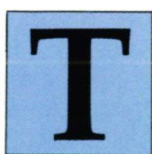






## DIVISION OF WATER & LAND DEVELOPMENT

**Manabu Tagomori**  
*Manager-Chief Engineer*



he recent enactment of the State Water Code has resulted in the reorganization of the former Division of Water and Land Development into a new Division of Water Resource Management that has been empowered to administer the State's programs in water resource management, mineral resource assessment, flood prevention and control, and dam safety. The State Water Code also resulted in the creation of a Commission on Water Resource Management to oversee and develop State policies for the division's implementation of water programs.

### ***Basic Data Collection and Resource Assessment***

Basic climatic data (such as rainfall, temperature, wind, humidity, and solar radiation), hydrologic data (such as streamflows and water levels in wells), and water development data (such as water use, well characteristics, and stream diversion characteristics) are collected, analyzed, and disseminated in this program.

#### **ACCOMPLISHED 1989-90**

- ▶ Continued an ongoing program of collection of basic climatic and hydrologic data throughout the State, with information being disseminated through publications and the Division's Information Center; renewed the division's annual cost-sharing agreement with the U. S. Geological Survey for hydrologic data collection
- ▶ Developed techniques to relate the combined effect on rainfall and groundwater pumping on ground water levels, and to determine rainfall trends in watersheds
- ▶ Initiated a statewide program to field inspect and verify all water sources and uses, targeting Windward Oahu as the first area
- ▶ Completed the drilling of 1 exploratory well at Wailua, Kauai (Makaleha Exploratory Well No. 2)
- ▶ Initiated the construction of 7 exploratory wells elsewhere in the State

#### **PLAN TO ACCOMPLISH 1990-91**

- ▶ Begin field installation of computerized rain gauges in remote mountain areas to strengthen the existing rain gauge network
- ▶ Update publications on rainfall data (through 1989) and maps of the State's raingauge network

- ▶ Initiate a pilot project for real-time collection and analysis of climatic and hydrologic data using telemetry technologies
- ▶ Initiate a program to compile and analyze reports of water use to be submitted monthly by water users throughout the State
- ▶ Prepare plans and specifications for new groundwater sources at 5 locations in the State
- ▶ Initiate the construction of 3 exploration wells (Keei, Kona; Makakilo, Oahu; and Wahikili, Maui)

### ***Regulation of Water Development and Use***

The State Water Code calls for the designation of water management areas by the Commission on Water Resource Management for the purpose of establishing administrative control over withdrawals and diversions of ground and surface waters in critical locations. The intent is to ensure proper husbandry of the resource, by allowing only beneficial and reasonable uses of water, as determined and approved by the Commission.

#### **ACCOMPLISHED 1989-90**

- ▶ Processed and acted on declarations of water use filed by 2,600 respondents who registered water sources and declared water uses at more than 7,000 locations throughout the State, as required by the State Water Code
- ▶ Received, processed and issued over 100 permits for well construction and pump installation activities
- ▶ Held a public hearing and conducted an investigation of the hydrology of Lanai to determine whether Lanai should be designated as a water management area, resulting in the Commission deciding not to designate Lanai as a water management area

#### **PLAN TO ACCOMPLISH 1990-91**

- ▶ Establish criteria to quantify "reasonable-beneficial uses" of water
- ▶ Begin to issue Certificates of Water Use for declared water uses that are determined to be reasonable and beneficial
- ▶ Initiate a program to identify and quantify appurtenant water rights throughout the State
- ▶ Continue to process and issue well construction and pump installation permits statewide
- ▶ Continue to regulate water use in existing water management areas through the issuance of water use permits
- ▶ Act on the petition to designate Windward Oahu as a water management area
- ▶ Conduct hydrologic investigation and public hearing on the petition to designate Molokai as a water management area

### ***Water Resource Planning***

The State Water Code requires the Commission on Water Resource Management to formulate a Hawaii Water Plan to guide long-range water resource management in the State. The Hawaii Water Plan is to consist of four component sub-plans, to be prepared by various State and county agencies and to deal with water resource protection, water use and development, State water projects, and water quality.





*Group tours the demonstration desalting plant at James Campbell Industrial Park, Ewa, Oahu, where three methods of turning brackish water into fresh drinking water will be evaluated. In the next century, Hawaii's demand for water probably will be met by sources other than groundwater supplies.*

#### ACCOMPLISHED 1989-90

- ▶ Completed a plan of work for the development of the Hawaii Water Plan, including preliminary research and data gathering, in collaboration with retained consultants, and disseminated the draft documents for public review
- ▶ Held a series of public informational meetings on all islands to familiarize the public with the Hawaii Water Plan; subsequently, held formal public hearings to receive testimony and incorporated comments and concerns into the final Plan
- ▶ Adopted the Hawaii Water Plan on June 27, 1990, thereby meeting the statutory deadline of July 1, 1990

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Update and expand the Hawaii Water Plan and its various sub-plans to include new information and additional public input; also, incorporate into the Plan the findings and recommendations of the Hawaii Stream Assessment study and the Reporting-of-Water-Use program
- ▶ Hold workshops and public informational meetings to solicit public comments on the updated Hawaii Water Plan
- ▶ Establish a process for biennial reviews of the Hawaii Water Plan. Conduct workshops to explain and clarify sustainable-yield data for groundwater aquifers on the island of Oahu
- ▶ Collaborate with the Department of Attorney General, Hawaiian Homes Commission, and the Department of Hawaiian Home Lands to detail a program to identify and quantify native Hawaiian water rights
- ▶ Initiate a newsletter on water resources for dissemination to the public
- ▶ Initiate a drought forecasting study in conjunction with the University of Hawaii's Water Resources Research Center

- ▶ Initiate a consumptive water use for taro study in conjunction with the University of Hawaii's Water Resource Research Center
- ▶ Initiate a determination of reasonable-beneficial water use study
- ▶ Initiate a survey of appurtenant water rights – phase I study

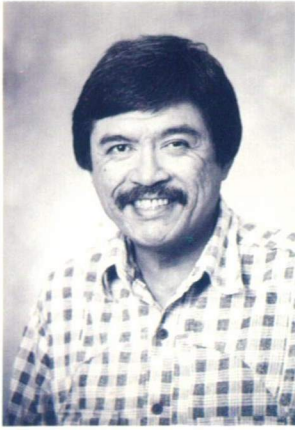
#### *Instream Use Protection Program*

The protection of instream uses, such as aquatic and stream-based wildlife habitat, recreation, aesthetics, and conveyance of water to downstream points of diversion, etc. is accomplished under the State Water Code through the maintenance of instream flows and the regulation of stream alterations.

#### ACCOMPLISHED IN 1989-90

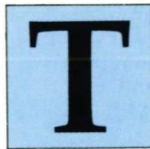
- ▶ Enforced the prevailing instream flow standards through the general requirement that any streamflow reduction can take place only by amending the applicable standard; processed 8 petitions to amend instream flow standards
- ▶ Processed 8 applications for permits to construct diversion works within streams
- ▶ Processed 27 applications for permits to alter streams
- ▶ Issued 11 emergency authorizations for work in stream channels
- ▶ Investigated 7 complaints regarding work in stream channels and brought to the Commission on Water Resource Management 1 violation case for resolution
- ▶ Continued to monitor approved permits to ensure compliance with permit conditions
- ▶ Completed the *Hawaii Stream Assessment*, a joint National Park Service-Commission on Water Resource Management statewide inventory and assessment of Hawaii streams and rivers





## LAND MANAGEMENT DIVISION

**W. Mason Young**  
*Administrator*



he State of Hawaii, being Hawaii's largest landowner, is responsible for the proper management and control of all State-owned lands as defined by Section 171-2, Hawaii Revised Statutes.

The effective and efficient use of these lands, for both public and private purposes, is in accordance with established policies. Lands that have not been set aside for public purposes are made available to the public by sale, lease, or month-to-month tenancies.

The Land Division is also responsible for the acquisition of private lands for public purposes. Public purposes include such acquisitions as the Honokahua burial site easement where the State acquired all above-ground rights. This action precluded the landowners from any development that would desecrate this ancient Hawaiian burial site and the Kawainui Marsh acquisition for wildlife and conservation purposes. Acquisitions are accomplished by negotiation, land exchange, or condemnation proceedings.

### ACCOMPLISHED 1989-1990

- ▶ Processed 28 Executive Orders issued by the Governor totalling 380,109 acres of land for school sites, park sites, water tank sites, a film production complex and a fire station site
- ▶ Acquired 17 parcels of private land for public purposes totalling 1,012,618 acres of land and costing \$30,994,870 for harbor, school, agricultural, housing and wildlife sanctuary purposes
- ▶ Issued 5 leases and 49 revocable permits for private use of State lands generating \$291,227 in annual revenue
- ▶ Sold land parcels to individuals and government agencies for \$345,867
- ▶ Generated \$13,632,722 in revenues, of which \$1,507,869 was transferred to the Office of Hawaiian Affairs (OHA), \$749,627 to Department of Hawaiian Home Lands and \$5,362,188 to the State's general fund

### PLAN TO ACCOMPLISH IN 1990-1991

- ▶ Process executive orders for setting aside State lands for public purposes
- ▶ Convert short-term revocable permits to long-term leases
- ▶ Issue leases, permits, easements and land licenses
- ▶ Acquire private lands for public purposes
- ▶ Establish shorelines for set-back purposes
- ▶ Develop strategic management plan of State agricultural lands
- ▶ Maintain State lands, drainageways, rivers, streams, channels, ditches and shoreline areas
- ▶ Develop Sand Island Industrial Park
- ▶ Settle land ownership with Pioneer Mill Company, 1,908 acres, Lahaina, Maui.

*Below, rental cabins at Kauai's Kokee State Park are operated by a concessionaire under a general lease, one of many general leases of State properties administered by the Land Management Division.*







# AQUACULTURE DEVELOPMENT PROGRAM

**John S. Corbin**  
*Manager*



A long tradition of harvesting of the ocean's bounty using uniquely Hawaiian, coastal ponds has provided a launch pad for modern Island aquaculture efforts. Today, Hawaii's ancient coastal fishponds are part of a mix of sophisticated technologies and business approaches that grow over 30 products for local and export customers and provide worldwide sales of research, training and technology transfer services. The Aquaculture Development Program (ADP) was established in 1979 to guide, promote and develop the aquaculture industry for the State.

The major principles of Program operation are defined with the publication of the first State aquaculture plan as:

- Participation of the aquaculture community in development decision-making
- Education of government, private sector and public-at-large
- Advocacy and facilitation within government
- Direct and indirect marketing of Hawaii's resources, products and expertise
- Direct problem-solving assistance with staff support and research, development and demonstrations project funding

ADP has become a unique development and problem-solving organization whose chief goals are to "clear roadblocks" and catalyze aquaculture activities that contribute to industry growth. When a farm is started, ADP carries out support activities through its staff, and research and development budget. Major target areas are production cost reduction and yield improvement. Marketing is also emphasized, as greater amounts of product are produced and research and consulting capabilities increase.

Results are encouraging in this new high-risk endeavor, with the industry growing from \$2 million a year in direct production and service revenues in 1979 to nearly \$21 million a year in 1989. Production is currently over a million pounds of products each year, which accounts for about twenty percent of the overall value of State fisheries. Along the way, the image of

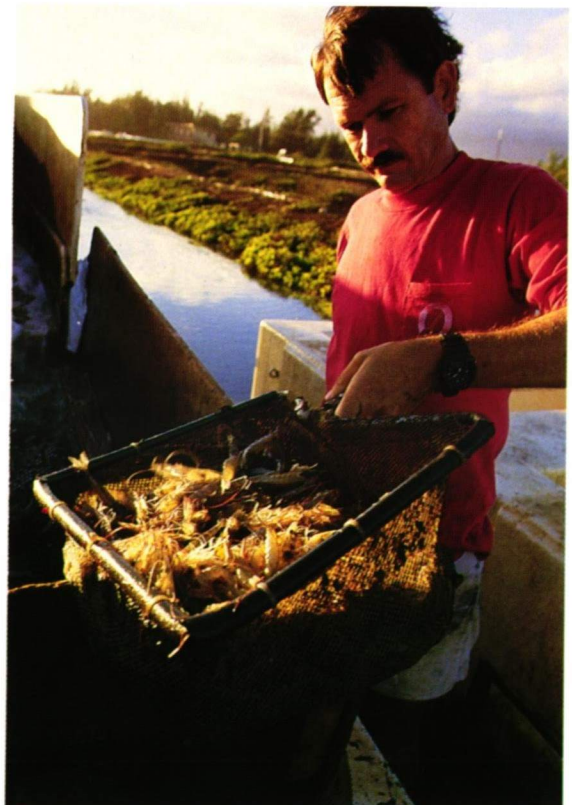
Hawaii's high quality cultured products and superior technological know-how has been firmly established in both the national and international aquaculture communities. More importantly, the Hawaii industry is positioned for still greater achievements in what amounts to a long-term global growth industry with a brilliant future.

World aquaculture production is expected to double by the end of the century, with the bulk of that expansion occurring in Asia and the Pacific. The industry's multiplying diversity and segmentation provides a market mosaic of great complexity and untold opportunity for Hawaii interests. ADP continues to play a critical role in fostering a more positive development environment, identifying niche opportunities and broadcasting the message that aquaculture is a "preferred industry" for Hawaii to achieve its long-term economic and environmental goals.

## *Planning and Coordination*

### ACCOMPLISHED 1989-90

- ▶ Continued participation in planning for Federal Center for Applied Aquaculture
- ▶ Continued membership on University of Hawaii's Aquaculture Coordinating Committee and cooperated in planning of curriculum, facilities and research and training programs
- ▶ Completed first draft of long-term State aquaculture development strategy
- ▶ Organized and staffed 3 meetings of Hawaii Aquaculture Advisory Council
- ▶ Participated in activities of Pacific Regional Aquaculture Center through membership on Board of Directors, Industry Advisory Council, Technical Advisory Committee (chaired) and various project work groups



*Right, assistance from the Aquaculture Development Program and the University of Hawaii Sea Grant Program Marine Extension Service has improved pond harvesting techniques for marine shrimp and freshwater prawns.*







#### PLAN TO ACCOMPLISH 1990-91

- ▶ Publish long-term State aquaculture development strategy and development action plan
- ▶ Continue participation in the planning of Federal Center for Applied Aquaculture
- ▶ Organize and staff 3 meetings of Hawaii Aquaculture Advisory Council
- ▶ Sponsor workshop for members of statewide Extension Advisory Network to discuss current industry extension needs and ways to provide assistance

#### Support Services

##### ACCOMPLISHED 1989-90

- ▶ Continued high-profile marketing campaign for Hawaii's products, services and investment opportunities through: media assistance; publication of various articles and newsletters; presentations and speeches; and participation in the: Waikiki 2000 Conference, National Fish and Seafood Promotion Council reception, Maui Ocean Expo 90, DCCA Consumer Fair, Hoolaulea Festival at WCC, Cuisines of the Sun by the Mauna Lani Hotel, World Aquaculture Society Meeting and Trade Show and Hawaii State Farm Fair
- ▶ Co-sponsored with UH Sea Grant College Program two technology transfer workshops in areas of shellfish sanitation and penaeid virus disease
- ▶ Carried out 104 field trips statewide to provide disease consultation services to producers and research organizations

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Publish next issue of Hawaii Aquaculture, an industry newsletter, and the Research in Progress report
- ▶ Continue to market Hawaii's products, services and investment opportunities through media assistance, speeches, presentations, and various exhibits, such as, Hawaii State Farm Fair, County Farm Fairs, Food Service Industry shows, out-of-state trade shows and professional meetings

#### Research and Development

##### ACCOMPLISHED 1989-90

- ▶ Distributed free copies of Backyard Aquaculture in Hawaii, A Practical Manual to public library system and established statewide small-scale aquaculture training and technology transfer program at Windward Community College (WCC)
- ▶ Initiated approvals, in corporation with University of Hawaii (UH), to hire consultants for planning and design of pond research, training and demonstration facility and prepared request for construction funds. Assisted in submission of patent application for shrimp virus detection process developed by State-funded UH researcher



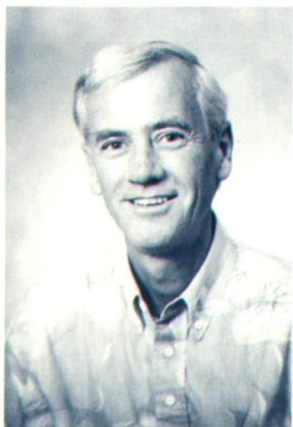
- ▶ Demonstrated on-farm pond management methodology to achieve production of 3,000 pounds per acre per year of Hawaiian freshwater prawns through funding extension efforts
- ▶ Developed and demonstrated computerized pond water quality management system, co-funded with UH Sea Grant College Program

##### PLAN TO ACCOMPLISH 1990-91

- ▶ Complete with UH the planning and design for pond research, training and demonstration facility and initiate CIP request for construction funds
- ▶ Continue WCC project to provide backyard aquaculture and establish support linkages with other similar programs by the Department of Education, Waianae Coast Community Development Corporation and Maui Economic Opportunity agency Fund research and development projects for marine shrimp, finfish, marine natural chemicals, nutritional value of commercial products, small-scale aquaculture and farm extension assistance in production and engineering applications
- ▶ Design and begin implementation of project to identify more sites for commercial aquaculture farms

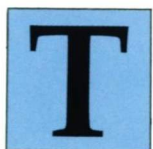
*Left, Kahuku, Oahu, is a prime site for aquaculture production of a dozen species, including prawns, marine shrimp, tilapia, oysters, clams and seaweed. Top, State-sponsored research on feeds has resulted in faster growth of tilapia to market size. Bottom, Terry Astro of Aurea Marine, Inc., fills a marine shrimp pond from a saltwater well. His company is developing a joint aquaculture education and training program with Kahuku High School.*





## OFFICE OF CONSERVATION & ENVIRONMENTAL AFFAIRS

**Roger C. Evans**  
*Administrator*



The Office of Conservation and Environmental Affairs (OCEA) coordinates conservation and environment-related matters for the Department in collaboration with its operating divisions, the Department of the Attorney

General, the Department of Accounting and general Services and the counties of the State. OCEA maintains constant awareness of environmental factors affecting the State's natural resources and proposed activities on public and private lands classified Conservation.

OCEA processes all Conservation District Use Applications (CDUAs). An important function of the office is developing departmental positions and recommendations regarding the use of the State's natural resources.

These positions and recommendations are developed with Federal, State and county agencies, public and private organizations and individuals. The policies often involve environmental impacts of proposed actions by government and private-sector projects on Urban and Agriculture as well as Conservation lands. OCEA also develops policies relating to land and

natural resources and submits them with petitions from the State Land Use Commission.

This office processes requests for film permits for Conservation Districts and State lands and handles inquiries and complaints from the general public.

The number of film permits declined slightly from the previous year, but revenues increased slightly to \$23,010 from the previous year's \$19,326.

OCEA maintains a central library of publications relating to natural resources and the Department's programs.

### CDUAs

#### ACCOMPLISHED 1989-1990

- ▶ Completed the initial computerized transfer of the CDUA history from the Hawaii Permit & Application Support System to the OCEA System using Data Base III
- ▶ Established client feedback system so that every applicant receives, along with the Board's letter of decision, a form on which to rate OCEA's service
- ▶ Processed 88 CDUAs, including 25 within 150 days rather than the 180 days as required by law

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Increase number of CDUAs processed within 150 days

### Environmental Affairs

#### ACCOMPLISHED 1989-1990

- ▶ Completed a value recapture policy for submittal to the Board for their review after it has been reviewed by the Department of Attorney General
- ▶ Processed 48 amendments or modifications to approved CDUAs, 31 of which were for time extensions due to the applicants' inability to start construction within the one-year period required in Administrative Rules

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Initiate Conservation District Lands Plan

### Investigations

#### ACCOMPLISHED 1989-1990

- ▶ Completed a basic enforcement data base for the past 2 fiscal years
- ▶ Continued to work toward achieving consistency in the management of natural resources
- ▶ Continued scrutiny of conservation lands and collected \$23,813 in fines for violations, up from \$18,301 the previous fiscal year

#### PLAN TO ACCOMPLISH 1990-91

- ▶ Increase resolution of violations through use of basic enforcement data base.



*Left, astronomy observatory at Mauna Kea on the Big Island is for scientific research, a conditional use of the Conservation District. Right, Oahu's Mt. Kaala Natural Area Reserve is in the protected subzone of the Conservation District, which includes areas necessary for preserving natural ecosystems and native plants, fish and wildlife.*



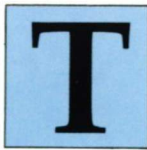






## ADMINISTRATIVE SERVICES OFFICES

**Anne Y. Furuuchi**  
*Fiscal Management Officer*



The Administrative Services Office provides administrative support services, internal management, and comprehensive fiscal services to the Chairperson and Members of the Board, and to the eight operating divisions and four staff offices of the Department. Major services include processing the departmental payroll, processing all vendor encumbrances and payments, billing and collecting State land rentals and water licenses and also collecting all other revenues and deposits except those revenues collected by the Bureau of Conveyances, and preparing financial reports.

This office also coordinates and assists in the preparation and implementation of the Departmental budgets, which in FY 1989-90 amounted to over \$31 million for the operating budget and over \$42 million for the capital improvement project budget; coordinates and provides internal and external audit functions for the Department; maintains a centralized system for monitoring Federal grant awards and processing reimbursement claims; and coordinates and assists with the electronic data processing and other telecommunications needs of the Department. Recently added responsibilities are departmental records management, risk management, and reorganizations.

The Administrative Services Office also provides specialized liaison services with the Department of Accounting and General Services, the Department of Budget and Finance, the Legislature, and federal agencies.



### ACCOMPLISHED 1989-90

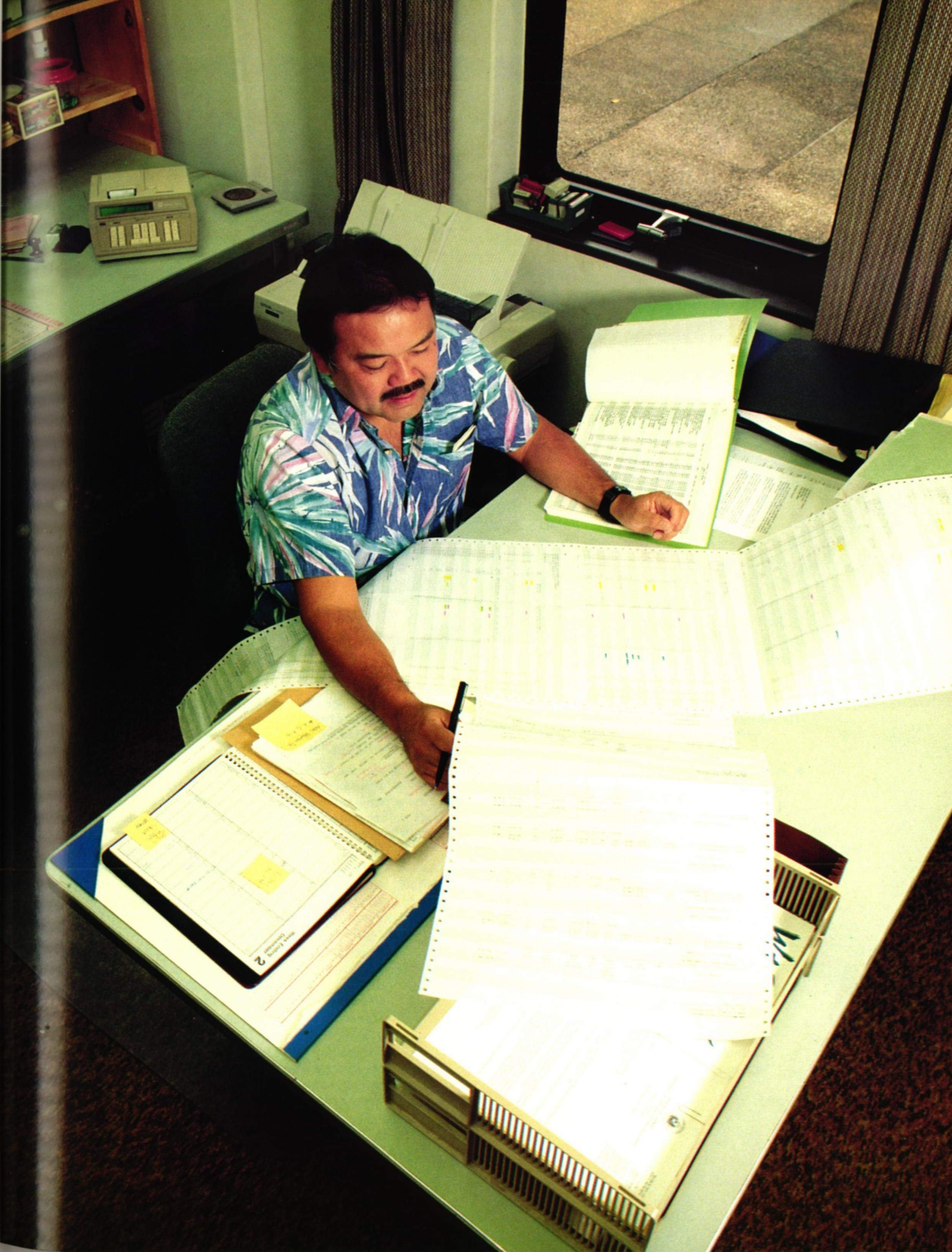
- ▶ Reorganized our office to reflect added positions and responsibilities over the years
- ▶ Improved payment processing to meet 30-day deadline to vendors (effective January 1, 1990, per Act 389, SLH 1988) approximately 95% of the time through extensive overtime
- ▶ Collected net general fund revenues of \$10,631,118 (excluding \$11,352,194 collected directly by the Bureau of Conveyances), special fund revenues of \$6,298,636, and around \$3,363,000 trust and agency funds
- ▶ Accounted for the expenditure of multi-funded operating funds totalling \$31,138,390 and capital improvement project funds totalling \$71,131,275
- ▶ Completed the single financial audit of our Department's federal aid programs for FY 1988-89 with no material adverse findings and comments
- ▶ Assisted approximately 225 users with the following computer applications:
  1. State Parks Reservation and Visitor Information System Phase II: made enhancements to include design improvements, correct deficiencies, improve telecommunications capability, and expand fiscal accountability
  2. Automated Department Information System Phase II: began implementation to provide additional workstations to our Local Area Network
  3. DOCARE Enforcement Information System, began implementation to automate the operations and enforcement activities of the division
  4. OCEA Office Automation Information System, began implementation to provide immediate access to Conservation District Use Applications (CDUA) for reference and information
  5. Aquaculture Information Access and Management System, made enhancements to present microcomputer system for access to various state and national data bases
  6. Aquatic Resources Licensing System, awarded contract to consolidate licensing and fish report collection under the Division of Aquatic Resources

### PLAN TO ACCOMPLISH 1990-91

- ▶ Conduct audits of 6 lessee concessionaires and continue to monitor all federal aid subgrantees
- ▶ Conduct a single financial audit of our Department's federal aid programs for FY 1989-90
- ▶ Coordinate and assist divisions in the submission and implementation of the Department's multi-million dollar and multi-funded operating and capital improvement project budgets
- ▶ Continue to improve payment processing to meet the 30-day payment deadline to vendors effective January 1, 1990, per Act 389, SLH 1988, by obtaining approval for another account clerical position

*Left, Dennis Takahashi, Doris Wu and Lorene Endo work on accounts receivable—collecting rental payments from lessees of Department properties. Right, Auditor Leroy Taira conducts audits of lessees, coordinates annual audits of the Department, and monitors federal grants.*





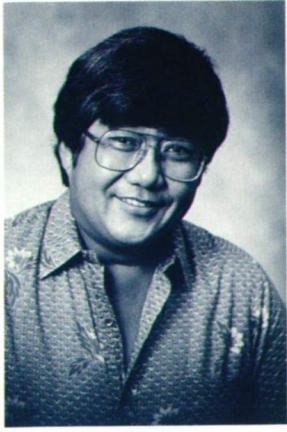




*Data Processing Coordinator Dave Wharton explains computer system to Elaine Keb and Susan Richey in the Chairperson's Office.*

- ▶ Assist approximately 225 to 250 users in implementing or expanding the following computer applications:
  1. Automated Department Information System (ADIS) Phase II, to provide additional workstations to our Local Area Network for sharing common departmental data bases, office automation, etc.
  2. DOCARE Enforcement Information System, to provide for an automated means of monitoring and evaluating the programs and activities Statewide within the Division of Conservation and Resources Enforcement
  3. OCEA Office Automation Information System, to provide the Office of Conservation and Environmental Affairs (OCEA) with immediate access to Conservation District Use Applications (CDUA) for reference and information purposes. In addition, the system will facilitate the ability to track the process of these CDUA's to ensure compliance with statutory requirements for imposed deadlines.
  4. Land Management Division File Management System, to improve the current tracking of each land transaction and enable the users to pinpoint the status of each transaction
  5. Aquatic Resources Licensing System, to consolidate licensing and fish report collection under the Division of Aquatic Resources, to provide a central data base of license information, and to facilitate collection and accounting of permit fees
  6. DOFAW Office Automation System, to expand the integrated office automation system for the Division of Forestry and Wildlife (DOFAW) for document filing, clerical work, data management, fiscal management, graphics, and electronic mail capabilities
  7. Aquaculture Information Access and Management System, to establish communication linkage and desktop publishing, upgrade software, and link ADP (Aquaculture Development Program) with AFRC (Anuenue Fisheries Research Center)
  8. Historic Preservation Division System, to upgrade the existing Wang VS 15 system to further facilitate the division's process of reviewing development project, to make more efficient the tracking of the review process, and to improve client information
- ▶ Enhance the Department's telephone system in line with Budget and Finance's change from Centrex to SELEX





## PERSONNEL OFFICE

**Melvin H.C. Young**  
*Personnel Officer*

**T**

he Personnel Office maintains a comprehensive personnel program for the department. The staff provides supportive services to the Chairperson and to the seven operating divisions and the five staff offices.

Major services include guidance and technical assistance in position classification, employee relations and employee training and development. The office also assists the divisions and staff offices in carrying out the collective bargaining contracts and the grievance process. The Personnel Office maintains a centralized system for processing, recording, reporting and filing the personnel transactions and records of all employees. The Personnel Office prepares and makes recommendations for the adoption of personnel policies and procedures within the department. Finally, the office works with the divisions and staff offices in developing and updating the organization plans.

### ACCOMPLISHED 1989-90

- ▶ Established 14 new positions
- ▶ Processed 3,524 personnel transactions
- ▶ Filled 44 vacant positions
- ▶ Updated departmental organization charts with draft reorganization proposals for the Commission on Water Resources Management, Divisions of State Parks, Historic Preservation, Conveyances and Administrative Services
- ▶ Updated departmental Affirmative Action Plan and developed a departmental Civil Rights pamphlet



*Clerks Ann Tonokawa and Lynnette Oshiro discuss the annual update of the Department organizational chart.*

### PLAN TO ACCOMPLISH 1990-91

- ▶ Establish 32 new positions
- ▶ Process 3,750 personnel transactions
- ▶ Fill 75 vacant positions
- ▶ Update departmental organization charts for the Divisions of Land Management and Conservation and Resources Enforcement
- ▶ Update departmental Affirmative Action Plan







## PART TWO

*Opposite page, the orange fruit of the 'ie'ie, a native vine  
found in Hawaii's lowland rainforests.*



# AQUACULTURE DEVELOPMENT PROGRAM

## *Fiscal Year 1989-90*

The Aquaculture Development Program (ADP) provides a wide range of support for Hawaii's aquaculture industry. This support includes planning and coordination; research funding; information dissemination; species technology and site selection assistance; marketing and promotion; business counseling; and disease prevention. Industry development activities center on helping farmers achieve greater profitability. Research funding is directed toward reducing risks, lowering production costs, increasing yields, and investigating new species for commercial culture in Hawaii. Expenditures to date have played a major role in the expansion of the industry.

### **Growth of the Industry**

Aquaculture is one of the most rapidly expanding segments of the State's diversified agribusiness or, by another measure, the fastest growing segment of ocean-based industries. In FY 1989-1990, the industry reached a value of approximately \$21 million, up from \$18.2 million in 1988-1989, with 51 farms raising some 35 different plants and animals. In the Commercial Production Sector, 1.3 million pounds of product, valued at \$6.8 million, were harvested in 1989. This was an increase from the 1988 total of \$5.5 million. Research, training, consulting and conferencing activities were valued at \$14.2 million in 1989. By the end of the year, there were over 500 people working in aquaculture in Hawaii in a wide range of skilled and semi-skilled jobs.

### **The Production Sector**

Table 1.  
**Hawaii Commercial Production Values, 1989**

| Type                         | Pounds    | Value       |
|------------------------------|-----------|-------------|
| Shellfish                    | 706,400   | \$3,781,900 |
| Finfish                      | 175,900   | 552,900     |
| Algae (microalgae, seaweeds) | 381,200   | 1,987,100   |
| Other                        | NA        | 521,700     |
| TOTAL                        | 1,263,500 | \$6,834,600 |

Commercial production value set a new record during the year: increasing from \$5.5 million in 1988 to \$6.8 million in 1989. The leading aquacultured species continued to be marine shrimp, with total production of 557,200 pounds, valued at approximately \$2.7 million. Shrimp were followed by freshwater prawns, microalgae and *Gracilaria* (ogo). Plant aquaculture enjoyed an especially strong year. Sales of Cyanotech Corporation's microalgae rose to a record \$1.3 million in 1989, and the company posted a first-ever profit for the second quarter of 1990. The State's three ogo farms

also reported improved sales for the year. Another fast-growing segment of the industry is Chinese catfish. The price for the whole product (as high as \$6.50/pound) has attracted seven farmers into production. They harvested 41,000 pounds of fish, worth \$216,000.

### **The Research and Technology Transfer (R&TT) Sector**

Hawaii is an important center for tropical aquaculture research, training and technology transfer. The University of Hawaii and the Oceanic Institute have been in the forefront of research efforts on such species as marine shrimp and freshwater prawns. Hawaii-based consultants are active in nations throughout the Asian Pacific Region and Central and South America.

In fiscal year 1989-1990, the value of RT&TT activities was approximately \$14 million, up from \$12.7 million of the previous fiscal year. This sector is expected to greatly increase in value after the national Center for Applied Aquaculture (CAA) at the Oceanic Institute becomes fully operational. Construction is projected to begin in October, 1990. During the fiscal year, the Institute initiated projects in Egypt and Indonesia to transfer U.S. finfish technology.

### **Program Activity Highlights**

ADP program activities are divided into three areas: 1) planning and coordination; 2) support services; and 3) research, development and demonstration.

#### **Planning and Coordination**

During the fiscal year, work continued on the final phase of an update of the State Aquaculture Plan. The update is expected to include a long-range strategy for the "Blue Revolution" in Hawaii, as well as detailed action plans. The draft will be disseminated for widespread review in November, with publication expected in early 1991.

To address the need for large-scale research and demonstration facilities to transfer technology and experiment with new species and systems, staff managed contracts for funding the State portion of the national Center for Applied Aquaculture (CAA) (supported by both State and Federal funds) and the expansion of the University of Hawaii's Mariculture Research & Training Center (MRTC) into a major pond research and training facility. Upon completion, MRTC will have the capability of addressing local, national and international needs.

During the year, the Natural Energy Laboratory of Hawaii and the Hawaii Ocean Science and Technology Park at Keahole Point on the Big Island merged, forming the Natural Energy Laboratory of Hawaii Authority (NELHA). Consolidation will streamline operations. The success of this facility in stimulating pilot aquaculture and energy projects has led to the proposed Kealia Aquatech and Renewable Resources Park (KAARP). ADP provided key planning information and testimony to create both NELHA and KAARP.

In addition, various proposals were submitted to ADP for expert review and recommendations. These



included proposals for training assistance from the State Department of Labor's ASSET program; a joint US-China pearl project; use of the Heeia Fishpond on Oahu; a shrimp farm on Kauai; and research projects proposed by the University of Hawaii Sea Grant College Program and the National Coastal Research Institute in Oregon.

A major constraint to the development of aquaculture in Hawaii has been a lack of funds for start-up or expanding operations. The Aquaculture Loan Fund of the Department of Agriculture has been an important source of capital for the State's aquaculture farms. During the fiscal year, ADP was asked to comment on loan applications from three farms. All three loans were approved by the Board of Agriculture.

During fiscal year 1989-1990, ADP worked closely with the Department of Education on their rapidly expanding high school-based aquaculture program. Staff met several times with Department of Education officials and provided comments for proposals for projects at McKinley and Waianae High Schools, and served on the Advisory Board for the McKinley project. In addition, ADP testimony before the Legislature was a key factor in securing a \$25,000 appropriation for establishing aquaculture training at Kahuku High School.

Government officials in the US and abroad have expressed considerable interest in Hawaii's experience in developing an aquaculture industry. In June, the ADP Manager presented a staff paper entitled "Strategies for Public-sector Aquaculture Development" at the World Aquaculture Society convention in Halifax, Nova Scotia. At the same conference, staff participated in a meeting of the National Aquaculture Information Network and a meeting of the National Research Council's Mariculture Study Group.

The Hawaii Aquaculture Advisory Council (HAAC) met three times during the year. ADP provides staff support for this State/Couny/private-sector body which advises the Board of Land and Natural Resources on statewide aquaculture development. At the July, 1989 meeting, staff led a panel discussion of financing for aquaculture and presented an update of effluent discharge issues. At the November meeting, ADP provided information on the availability of shrimp nauplii, and discussed program efforts to strengthen laws against poaching, a problem of major concern to the industry. At the May, 1990 meeting, the topics covered included the marketing of aquacultured products, effluent discharge, and new opportunities in aquaculture.

### Support Services

ADP offers a wide range of assistance to the industry, including marketing aquacultured products and services, and encouraging investors to consider opportunities to start aquaculture businesses in Hawaii. The year was notable for expanded ADP participation in promotional events, held both locally and abroad, and in assisting the media to "spread the word" about aquaculture in the State.

The DLNR display at the State Farm Fair captured the "Grand Champion" award, besting nine other exhibits with an agricultural theme. ADP played a key

role in designing and constructing the attraction. The ADP booth, which attracted more than 30,000 visitors, featured live and fresh-on-ice aquacultured products. In addition, ADP participated, on behalf of the industry, in *Waikiki 2000*, at the Hilton Hawaiian Village; *Maui Ocean Expo '90* in Kahului, Maui; the 1990 Consumer Fair at the Ala Moana Shopping Center; the *Hoolaulea Festival* at Windward Community College; *Cuisines of the Sun* at the Mauna Lani Hotel on the Big Island; and *World Aquaculture '90* at Halifax, Nova Scotia. Also, ADP presented an exhibit at a reception for members of the National Fish & Seafood Promotional Council, held at the Maritime Museum in Honolulu. The federally-funded Council has taken a strong interest in boosting aquacultured product sales. In order to publicize Hawaii's aquaculture consultant expertise, ADP published *Hawaii's Aquaculture Consultants Directory*.

During the year, aquaculture in Hawaii was featured in numerous magazine and newspaper articles. Noteworthy was the special attention the industry received in an article entitled "Aquapreneurs" in *World* magazine. This publication from the accounting firm, KPMG Peat Marwick, is distributed to 150,000 top business executives throughout the world. In addition, *Seafood Leader*, one of this country's foremost seafood industry magazines, published a highly favorable article on Island aquacultured products, entitled "Ponds in Paradise". Staff introduced the author to farmers, restaurateurs and seafood wholesalers. Also, staff produced an article on Hawaii's aquaculture industry for *Aquaculture Today*, an international trade publication.

Distinguished visitor's to ADP's office included Mr. Haniteli Fa'anunu, Director of the Ministry of Agriculture, Forests & Fisheries from the Kingdom of Tonga, Dr. Natth Bhamarapavati, President of Thailand's Mahidol University, and Commodore Mohammad Razi Ahmad, formerly the Director General of Pakistan's Marine Fisheries Department. An important topic of discussion was the establishment of cooperative aquaculture research and training programs. Also, ADP assisted a delegation from the Maine Lobster Institute who were interested in establishing a lobster-holding facility in the Islands. Aquaculture techniques used by the Institute would keep the animals healthy before shipment to Japanese customers.

ADP's aquaculture veterinarian and his staff of two technicians made 104 trips into the field to advise farmers on methods of preventing disease, and handled 207 case submissions for diagnostic assistance from commercial farm and research organizations. In addition, he prepared six research papers for publication in international journals.

### Research, Development and Demonstration

ADP's research funding program focuses on improving the profitability of commercial farms through increasing production and reducing costs. The competitive developmental research program also investigates the feasibility of culturing new species with commercial potential. The results of this research are published and directly transferred to farmers through



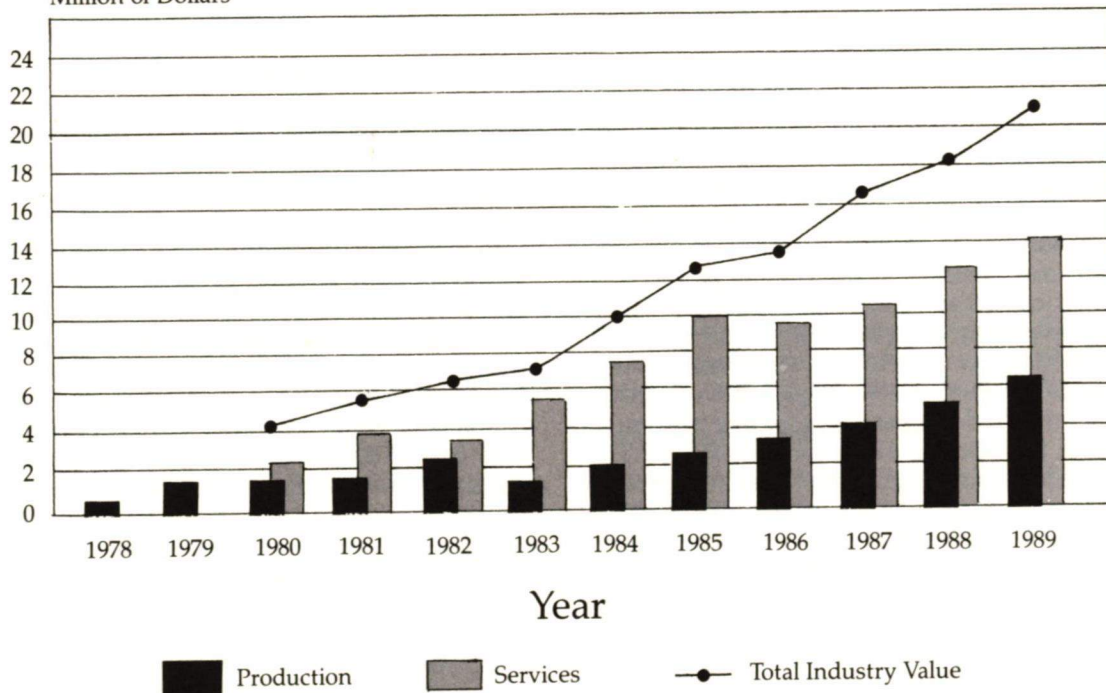
an ADP/Sea Grant program of field extension assistance.

In FY 1989-1990, ADP funds targeted marine shrimp, finfish, marine biotechnology and small-scale aquaculture. These included investigations of species with considerable commercial potential: tilapia, marine shrimp and mahimahi; and seaweeds that would be raised in land-based systems for food, industrial uses, or pharmaceuticals. Market-oriented research in-

cluded a study of the nutritional values of Hawaii's major aquaculture products. *Hawaii Backyard Aquaculture, A Practical Manual*, based on research funded by ADP and the UH Sea Grant College Program, was published by Windward Community College. In addition, ADP published *Research Progress, 1988 to 1989*, which provided detailed descriptions of ADP-funded research projects to interested persons for the 1988-89 time period.

## Hawaii Aquaculture Growth

Million of Dollars





# OFFICE OF CONSERVATION & ENVIRONMENTAL AFFAIRS

## Fiscal Year Evaluation

| Fiscal Year    | CDUA Total | PH <sup>1</sup> | PH <sup>2</sup> (Other) | cess <sup>13</sup> 150 | CC Hrg | T/V | Amend. Modif. | CD Vio Act          | CD Vio Fines | Env <sup>12</sup> Rev | Corr. <sup>6</sup> Pg. 6 | Film Permits | Film Permit Income | Court Reporter       | Total <sup>8</sup> O.T. |
|----------------|------------|-----------------|-------------------------|------------------------|--------|-----|---------------|---------------------|--------------|-----------------------|--------------------------|--------------|--------------------|----------------------|-------------------------|
| 1965 ('64-'65) | 1-15       | 15              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1966 ('65-'66) | 16-36      | 21              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1967 ('66-'67) | 37-53      | 17              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1968 ('67-'68) | 54-66      | 13              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1969 ('68-'69) | 67-90      | 24              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1970 ('69-'70) | 91-132     | 42              | —                       | —                      | —      | —   | —             | —                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1971 ('70-'71) | 133-212    | 80              | —                       | —                      | —      | —   | —             | 6                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1972 ('71-'72) | 213-337    | 125             | 9                       | —                      | —      | —   | —             | 2                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1973 ('72-'73) | 338-458    | 121             | 8                       | —                      | —      | —   | —             | 2                   | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1974 ('73-'74) | 459-575    | 117             | 2                       | —                      | —      | —   | —             | 16                  | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1975 ('74-'75) | 576-686    | 111             | 9                       | —                      | —      | —   | —             | 13                  | —            | —                     | —                        | —            | —                  | —                    | —                       |
| 1976 ('75-'76) | 687-820    | 134             | 3                       | —                      | —      | —   | —             | 34/0                | —            | —                     | 1050                     | —            | —                  | —                    | —                       |
| 1977 ('76-'77) | 821-970    | 150             | 21                      | —                      | —      | —   | —             | 56/6 <sup>5</sup>   | —            | —                     | 1497 <sup>7</sup>        | —            | —                  | —                    | 323.00 <sup>3</sup>     |
| 1978 ('77-'78) | 971-1069   | 99 <sup>3</sup> | 30                      | 5                      | —      | —   | —             | 46/34               | —            | —                     | 1239                     | —            | —                  | —                    | 404-00 <sup>4</sup>     |
| 1979 ('78-'79) | 1070-1147  | 78              | 15 <sup>4</sup>         | 4                      | —      | 4   | 7             | 16/3                | —            | —                     | 1252                     | —            | —                  | —                    | 132.00                  |
| 1980 ('79-'80) | 1148-1274  | 127             | 13                      | 6                      | —      | 1   | 10            | 42/22               | —            | —                     | 1264                     | —            | —                  | 741                  | 21.50                   |
| 1981 ('80-'81) | 1275-1387  | 113             | 8                       | 5                      | —      | 4   | 2             | 76/26               | —            | —                     | 1435                     | —            | —                  | 1,524                | 72.50                   |
| 1982 ('81-'82) | 1388-1497  | 109             | 29                      | 0                      | —      | 7   | 5             | 68/57               | —            | —                     | 1547                     | 30           | —                  | 5,982                | — <sup>9</sup>          |
| 1983 ('82-'83) | 1498-1601  | 103             | 36                      | 4                      | —      | 1   | 5             | 7                   | 42/37        | 40,882                | 13                       | 1768         | 205                | 21,241               | —                       |
| 1984 ('83-'84) | 1603-1705  | 103             | 41                      | 0                      | —      | 1   | 3             | 24                  | 58/30        | 47,159                | 21                       | 1869         | 302                | 51,395               | 4,786                   |
| 1985 ('84-'85) | 1706-1780  | 94              | 39                      | 0                      | —      | 0   | 15            | 22                  | 48/29        | 11,142                | 29                       | 2077         | 383                | 125,305              | 9,091                   |
| 1986 ('85-'86) | 1781-1883  | 102             | 42                      | 2                      | —      | 1   | 0             | 21                  | 45/36        | 5,800                 | 17                       | 2024         | 275                | 86,750               | 25,941                  |
| 1987 ('86-'87) | 1884-1988  | 104             | 47                      | 1                      | —      | 1   | 2             | 18                  | 42/31        | 6,200                 | 510 <sup>10</sup>        | 2038         | 381                | 66,255 <sup>11</sup> | 14,936                  |
| 1988 ('87-'88) | 1989-2106  | 117             | 50                      | 0                      | —      | 0   | 1             | 10                  | 99/83        | 8,546                 | 599                      | 3207         | 372                | 53,445               | 7,285                   |
| 1989 ('88-'89) | 2107-2237  | 130             | 51                      | 7                      | 15     | 0   | 11            | 29/17 <sup>14</sup> | 81/39        | 18,301                | 791                      | 3225         | 566                | 19,326               | 7,685                   |
| 1990 ('89-'90) | 2238-2301  | 88              | 21                      | 9                      | 25     | 4   | 15            | 48/31               | 65/41        | 23,813                | 837                      | 3285         | 512                | 23,010               | 20,818 9,639.00         |

<sup>1</sup>DLNR master record does not indicate a record of any public hearings prior to FY 1972.

<sup>2</sup>Public Hearing meeting may be required by the Board on an issue although a specific CDUA is not being processed. Available records from '77-'78 on other years require individual correspondence search. Also includes Administrative Rules.

|                           |                    |   |
|---------------------------|--------------------|---|
| 1977                      | 1978               | 1989  |
| Mauna Kea Plan Management | Regulation No. 4   | Title 13, Chapter 2                         |
| Diamond Head Crater       | Kauai/Oahu/Molokai | Admin Rule                                  |
| Kapakahi Ridge            | Maui/Kona/Hilo     | Kauai/Oahu/Molokai/<br>Lanai/Maui/Kona/Hilo |

<sup>3</sup>Revised Regulation No. 4 in effect (Title 13, Chapter).

<sup>4</sup>EIS rules in effect.

<sup>5</sup>4/indicates unresolved cases at the close of the year. Subsequent years do not aggregate the unresolved cases.

<sup>6</sup>Does not include Public Hearing Summary, Board Submittals, Governor's Referrals or draft correspondence.

<sup>7</sup>Conservation District correspondence daily workload. (Example.)

|   |   |
|---|---|
| a. 21 days per month<br>x12 months<br>252 days per annum<br>-21 days vacation<br>-21 days sick taken in 1977-78, 1978-79<br>210 | b. FY 1976-77 = 1497 pgs. with 210 days<br>1977-78 = 1239 pgs. with 210 days<br>1978-79 = 1252 pgs. with 210 days<br>3988 pgs. with 630 days<br>1)3988/630 = 6.3 pgs. per day<br>2) 3988/3 = 1329 ave. 3 yrs./210 days—6.3 pgs. per day |
|---|---|

c. Day workload = 6.3 pgs. per day not including submittals/transcripts.

<sup>8</sup>Approximate.

<sup>9</sup>Overtime among professional staff is currently accumulated throughout the year due to BLNR requirements requiring presence of professional staff. Staff understanding is that all accumulated overtime will be used by the end of each calendar year.

<sup>10</sup>With the reorganization of the Planning Office to the Office of Conservation and Environmental Affairs (OCEA) the ENV and LUC reviews previously done by the Planning Office have been consolidated and based upon six months daily raw data (255) is projected to reflect additional functional responsibilities of OCEA. Also incorporated is all correspondence to the office not associated with either a CDUA or an enforcement action.

<sup>11</sup>Film permit income from land rent only. FY-87 DOCARE fees amounted to 81,150 dollars. FY-88 DOCARE fees amounted to 47,460 dollars. The remainder is land rent. In FY-89, no land rent was collected.

<sup>12</sup>Environmental reviews from FY 84-FY 86 incorporate LUC reviews.

<sup>13</sup>Reflects a new statistical category to indicate the number of CDUAs in which a Board decision was reached in 150 days or less.

<sup>14</sup>Reflects the number of amendments and singles out those amendments which were for time extensions due to an applicant not being able to start the project within one year of Board approval. For FY-89, 17 amendment requests were for this purpose.



# ADMINISTRATIVE SERVICES OFFICE

## *Fiscal Year 1989-90*

### **Native Hawaiian Rehabilitation Fund**

As provided by the State Constitution, 30 percent of the State receipts derived from the leasing of cultivated sugarcane land and from water licenses was transferred to the Native Hawaiian Rehabilitation Fund. The amount transferred to the fund during the

1989-90 fiscal year was \$749,627. The total amount transferred to the fund since the 1978 constitutional amendment was \$8,802,517 as of June 30, 1990.

### **Office of Hawaiian Affairs Public Land Proceeds Fund**

Act 273, Session Laws of Hawaii 1980, provides that 20 percent of all funds derived from the public land trust described in Section 10-3, Hawaii Revised Statutes, be transferred to the Office of Hawaiian Affairs (OHA). Funds are transferred on a quarterly basis. The amount transferred to OHA during the 1989-90 fiscal year was \$1,599,871. This includes \$1,507,869 from State land revenues and \$92,002 from State park concessions. The total transferred to OHA since the approval of Act 273, Session Laws of Hawaii 1980, amounted to \$14,066,254.

### **General Fund Revenues**

| Source of Revenues  | Amount<br>FY 1989   | Amount<br>FY 1990   |
|---|---------------------|---------------------|
| Lease and Rental of State Land and Water Licenses   | \$ 6,338,828        | \$ 8,208,533        |
| Conveyance Tax  | 5,216,321           | 8,095,543           |
| Recording of Legal Instruments  | 2,583,669           | 3,261,446           |
| Various Rentals and Concession Income in State Parks  | 1,114,385           | 1,147,367           |
| Sale of Public Lands  | 341,353             | 502,090             |
| Federal Indirect Cost Recoveries and Grants   | 258,462             | 205,002             |
| Fishing Licenses  | 118,919             | 119,605             |
| Sales of Forestry Products  | 22,006              | 28,767              |
| Sales of Aquaculture Products   | 49,128              | 75,157              |
| Refunds and Reimbursements of Prior Year Expenditures and<br>Vacation Credits from Other Agencies | 308,809             | 149,855             |
| Interest Earned on Time Certificates of Deposit   | 79,362              | 105,010             |
| Interest on Delinquent Accounts   | 68,646              | 37,592              |
| Various Fees Relating to Public Land  | 22,895              | 26,804              |
| Fees - Conservation District Use Application and Public Hearing                                   | 5,900               | 5,250               |
| Fines - State Conservation District Use and Other Public Land Violations                          | 41,368              | 14,522              |
| Others  | 1,602               | 749                 |
| <b>TOTAL</b>  | <b>\$16,571,653</b> | <b>\$21,983,312</b> |

### **Special Fund Revenues**

| Source of Revenues  | Amount<br>FY 1989  | Amount<br>FY 1990  |
|---|--------------------|--------------------|
| Lease and Rental of State Land and Water Licenses, Non-Ceded                                      | \$1,839,514        | \$1,516,178        |
| Sale of Public Lands, Non-Ceded   | 32,417             | 714,644            |
| Federal Funds - Operating   | 1,809,065          | 2,013,587          |
| Federal Funds - Capital Improvements  | 375,644            | 1,265,270          |
| Interest Earned on Time Certificates of Deposit   | 301,098            | 600,577            |
| Hunting Licenses  | 92,696             | 110,829            |
| Sale of Water (Program transferred to Dept. of Agriculture 7/1/89)                                | 408,149            | —                  |
| Assessment of Accrued Vacation and Sick Leave   | 109,738            | 74,853             |
| Refunds and Reimbursements of Prior Year Expenditures<br>and Vacation Credits from Other Agencies | 21,150             | 2,698              |
| Natural Area Reserve Fund Contributions   | 60,625             | —                  |
| Transfers from General Fund for Natural Area Reserve Fund   | 121,250            | —                  |
| Transfers from General Fund for Hawaii Historic Preservation Fund                                 | —                  | 1,000,000          |
| <b>TOTAL</b>  | <b>\$5,171,346</b> | <b>\$7,298,636</b> |



# Capital Improvements Project Funds: Expenditures Fiscal Year 1989-90

ADMIN-  
ISTRATIVE  
SERVICES  
PROGRAM

| Division                      | Land<br>Acquisition | Research<br>Planning | Design      | Construction | Total        |
|-------------------------------|---------------------|----------------------|-------------|--------------|--------------|
| Aquatic Resources/Aquaculture |                     |                      |             |              |              |
| Development Prog.             | \$ —                | \$200,000            | \$ 61,819   | \$ —         | \$ 261,819   |
| Forestry and Wildlife         | 234                 | 46,712               | 39,534      | 660,450      | 746,930      |
| Land Management               | 51,563,707          | 2,930                | 12,827      | 1,310,398    | 52,889,862   |
| State Parks                   | 2,437,960           | 322,654              | 358,795     | 1,845,415    | 4,964,824    |
| Water Resource Management     | 4,955               | 333,127              | 1,021,377   | 10,908,381   | 12,267,840   |
| Department Total              | \$54,006,856        | \$905,423            | \$1,494,352 | \$14,724,644 | \$71,131,275 |
| By Means of Financing:        |                     |                      |             |              |              |
| General Obligation Bond Funds |                     |                      |             |              | \$16,740,224 |
| General Funds                 |                     |                      |             |              | 53,634,018   |
| Federal Funds                 |                     |                      |             |              | 757,033      |
| TOTAL                         |                     |                      |             |              | \$71,131,275 |

## Operating Funds: Status of Appropriation Account Balances

Fiscal Year 1989-90

| Program<br>I.D.<br>LNR | Program Title                                | Fund                          | Appropriation<br>Beginning<br>Balance | Transfers<br>In and (Out) <sup>1</sup> | Less<br>Depart-<br>mental<br>Restriction | Collec-<br>tive Bar-<br>gaining<br>Increases <sup>2</sup> | Net<br>Appropriation | Expenditures,<br>Claims and<br>Contract<br>Encumbrances | Lapses <sup>3</sup> |
|------------------------|--|-------------------------------|---------------------------------------|--|--|---|----------------------|---|---------------------|
| 101                    | Public Lands<br>Management                   | General                       | \$ 1,159,566                          | \$ 29,000                              | \$ —                                     | \$ 63,106   | \$ 1,251,672         | \$ 1,247,638  | \$ 4,034            |
| 111                    | Conveyances<br>and Recording                 | General                       | 1,236,944                             | 628,000                                | —  | 60,793  | 1,925,737            | 1,922,657   | 3,080               |
| 153                    | Commerical<br>Fishery and<br>Aquaculture     | General                       | 2,076,084                             | 8,000                                  | —  | 40,576  | 2,124,660            | 2,123,547   | 1,113               |
|                        |  | Federal                       | 130,104                               | —                                      | —  | —   | 130,104              | 130,103   | 1                   |
|                        |  |                               | 2,206,188                             | 8,000                                  | —  | 40,576  | 2,254,764            | 2,253,650   | 1,114               |
| 172                    | Forestry -<br>Products<br>Development        | General                       | 814,101                               | 69,000                                 | —  | 29,644  | 912,745              | 911,597   | 1,148               |
|                        |  | Federal                       | 98,600                                | —                                      | —  | —   | 98,600               | 98,600  | —                   |
|                        |  |                               | 912,701                               | 69,000                                 | —  | 29,644  | 1,011,345            | 1,010,197   | 1,148               |
| 401                    | Aquatic Resources                            | General                       | 1,113,217                             | 36,800                                 | —  | 25,553  | 1,175,570            | 1,174,215   | 1,355               |
|                        |  | Federal                       | 332,732                               | 204,573                                | —  | —   | 537,305              | 537,305   | —                   |
|                        |  |                               | 1,445,949                             | 241,373                                | —  | 25,553  | 1,712,875            | 1,711,520   | 1,355               |
| 402                    | Forests and Wildlife<br>Resources            | General                       | 2,248,295                             | (13,000)                               | —  | 74,254  | 2,309,549            | 2,305,907   | 3,642               |
|                        |  | General - Fire<br>Contingency | 250,000                               | —                                      | —  | —   | 250,000              | —   | 250,000             |
|                        |  | Federal                       | 443,208                               | —                                      | —  | —   | 443,208              | 443,208   | —                   |
|                        |  |                               | 2,941,503                             | (13,000)                               | —  | 74,254  | 3,002,757            | 2,749,115   | 253,642             |
| 403                    | Mineral Resources                            | General                       | 435,217                               | (18,500)                               | —  | 6,852   | 423,569              | 422,980   | 589                 |
| 404                    | Water Resources                              | General                       | 1,896,042                             | (53,000)                               | —  | 92,583  | 1,935,625            | 1,934,540   | 1,085               |
| 405                    | Conservation and<br>Resources<br>Enforcement | General                       | 3,887,504                             | (209,000)                              | (53,248)                                 | 89,390  | 3,714,646            | 3,705,899   | 8,747               |
|                        |  | Federal                       | 190,686                               | —                                      | —  | —   | 190,686              | 159,203   | 31,483              |
|                        |  | Revolving                     | 6,279                                 | —                                      | —  | —   | 6,279                | —   | 6,279               |
|                        |  |                               | 4,084,469                             | (209,000)                              | (53,248)                                 | 89,390  | 3,911,611            | 3,865,102   | 46,509              |
| 804                    | Forest Recreation                            | General                       | 1,603,727                             | (141,800)                              | —  | 43,636  | 1,505,563            | 1,487,600   | 17,963              |
|                        |  | Federal                       | 921,102                               | —                                      | —  | —   | 921,102              | 506,567   | 414,535             |
|                        |  |                               | 2,524,829                             | (141,800)                              | —  | 43,636  | 2,426,665            | 1,994,167   | 432,498             |



ADMIN-  
ISTRATIVE  
SERVICES  
PROGRAM

| Program<br>I.D.<br>LNR                | Program Title  | Fund    | Appropriation<br>Beginning<br>Balance | Transfers<br>In and (Out) <sup>1</sup> | Less<br>Depart-<br>mental<br>Restriction | Collec-<br>tive Bar-<br>gaining<br>Increases <sup>2</sup> | Net<br>Appropriation | Expenditures,<br>Claims and<br>Contract<br>Encumbrances | Lapses <sup>3</sup> |
|---------------------------------------|--|---------|---------------------------------------|--|--|---|----------------------|---|---------------------|
| 805                                   | Aquatic Recreation   | General | 234,657                               | 24,500                                 | —  | 12,831  | 271,988              | 269,068   | 2,920               |
|                                       |  | Federal | 350,758                               | 37,500                                 | —  | —   | 388,258              | 385,258   | 3,000               |
|                                       |  |         | 585,415                               | 62,000                                 | —  | 12,831  | 660,246              | 654,326   | 5,920               |
| 806                                   | Parks Recreation   | General | 6,411,888                             | (272,000)                              | (100,000)                                | 119,958   | 6,159,846            | 6,153,061   | 6,785               |
| 809                                   | General<br>Administration<br>for Culture and<br>Recreation | General | 837,955                               | (32,000)                               | —  | 35,460  | 841,415              | 841,336   | 79                  |
|                                       |  | Federal | 600,000                               | —                                      | —  | 961   | 600,961              | 470,218   | 130,743             |
|                                       |  |         | 1,437,955                             | (32,000)                               | —  | 36,421  | 1,442,376            | 1,311,554   | 130,822             |
| 810                                   | Prevention of<br>Natural Disaster                          | General | 290,501                               | (76,600)                               | (4,000)                                  | 16,786  | 226,687              | 224,158   | 2,529               |
| 906                                   | LNR - Natural<br>Physical<br>Environment                   | General | 3,770,723                             | (229,400)                              | —  | 129,837   | 3,671,160            | 3,671,006   | 154                 |
|                                       |  | Federal | 64,401                                | —                                      | —  | 960   | 65,361               | 12,499  | 52,862              |
|                                       |  |         | 3,835,124                             | (229,400)                              | —  | 130,797   | 3,736,521            | 3,683,505   | 53,016              |
| TOTAL<br>GENERAL FUND                 |  |         | 28,266,421                            | (250,000)                              | (157,248)                                | 841,259   | 28,700,432           | 28,395,209  | 305,223             |
| TOTAL<br>FEDERAL AND<br>SPECIAL FUNDS |  |         | 3,137,870                             | 242,073                                | —  | 1,921   | 3,381,864            | 2,742,961   | 638,903             |
| GRAND TOTAL                           |  |         | \$31,404,291                          | (\$7,927)                              | (\$157,248)                              | \$843,180   | \$32,082,296         | \$31,138,170  | \$944,126           |

<sup>1</sup>Includes intra-departmental transfers, Governor's authorization to spend increase of \$204,573 (LNR 141) and \$37,500 (LNR 805); a \$250,000 decrease in legislative authorization for LNR 806.

<sup>2</sup>Figures for Collective Bargaining Increases are sums of the figures for:

- a) Collective bargaining salary increases;
- b) Collective bargaining nonsalary increases (mileage, etc);
- c) Shortage-retention salary augmentation.

<sup>3</sup>Lapses:

- a) General fund lapses include \$102,322 for workers' compensation benefits paid in lieu of general fund salary costs as mandated by Act 300, SLH 1985, Section 211.
- b) Federal fund balances (lapses) are due to insufficient Federal funds.



# PERSONNEL OFFICE

## Filled Positions<sup>1</sup>

June 30, 1990

| Division                                | Hawaii     | Oahu       | Kauai     | Maui      | Molokai/<br>Lanai | Total      |
|---|------------|------------|-----------|-----------|-------------------|------------|
| Administration & Staff                  | 0          | 56         | 0         | 0         | 0                 | 56         |
| Conveyances                             | 0          | 68         | 0         | 0         | 0                 | 68         |
| Aquatic Resources                       | 2          | 47         | 2         | 2         | 1                 | 54         |
| Conservation &<br>Resources Enforcement | 19         | 28         | 11        | 12        | 4                 | 74         |
| Forestry & Wildlife                     | 56         | 33         | 27        | 28        | 7                 | 151        |
| Land Management                         | 4          | 27         | 3         | 3         | 0                 | 37         |
| State Parks                             | 37         | 104        | 19        | 11        | 1                 | 172        |
| Water & Land Development                | 2          | 43         | 1         | 0         | 0                 | 46         |
| <b>TOTAL</b>                            | <b>120</b> | <b>406</b> | <b>63</b> | <b>56</b> | <b>13</b>         | <b>658</b> |

<sup>1</sup>All full-time employees except student hires. Includes project funded and exempt employees.

## Summary of Personnel Transactions Fiscal Year 1989-1990

|  |             |   |     |
|--|-------------|---|-----|
| <b>Accessions</b>                              | <b>742</b>  |   |     |
| New Hires - Probational                        | 33          | Temporary Assignment                      | 263 |
| - Inter-Agency Transfer                        | 5           | Extension - Limited Term Appointment      | 24  |
| - Inter-Agency Promotion                       | 5           | Extension - Exempt Appointment            | 16  |
| - Inter-Agency Demotion (Voluntary)            | 2           | Extension - Probational Appointment       | 0   |
| New Hires - Limited Term Appointment           | 20          | Extension - Temporary Appointment         |     |
| - Temporary Appointment                        |             | Outside of List                           | 19  |
| Outside of List                                | 10          | Extension - Temporary Reallocation        | 0   |
| - Emergency                                    | 546         | Extension - Emergency Appointment         | 503 |
| - Provisional                                  | 1           | Leave-Without-Pay - Child Care            | 0   |
| - Exempt                                       | 118         | Leave-Without-Pay - Industrial Injury     | 3   |
|  |             | Leave-Without-Pay - Others                | 65  |
| <b>Separations</b>                             | <b>712</b>  | Authorized Leave-Without-Compensation     | 7   |
| Resignation & Transfer (Permanent Employees)   | 24          | Extension - Leave-Without-Pay             | 19  |
| Resignation & Termination (Temporary Employee) | 671         | Return to Duty                            | 73  |
| Dismissal/Termination                          | 0           | Unauthorized Absence                      | 1   |
| Retirement                                     | 17          | Suspension                                | 3   |
| Termination (Death)                            | 0           | Extension - Provisional Appt.             | 0   |
|  |             | Return from Leave and Transfer            | 0   |
| <b>Other Personnel Actions</b>                 | <b>2070</b> | Name Change                               | 5   |
| Promotion                                      | 19          | Change in Record - Bargaining Unit        | 0   |
| Voluntary Demotion                             | 3           | Change in Full-Time Equivalent Percentage | 1   |
| Demotion - Physical Disability                 | 1           | Change to New Salary Schedule             | 650 |
| Conversion to Probational Appointment          | 0           | Pay Adjustment                            | 38  |
| Conversion to Permanent Appointment            | 64          | Employment & Pay Rate Continued           | 0   |
| Conversion to Temporary Appointment            |             | Pay Adjustment While on Leave-Without-Pay | 7   |
| Outside of List                                | 0           | Hazard Pay Differential                   | 1   |
| Conversion to Limited Term Appointment         | 0           | Expiration - Hazard Pay Differential      | 2   |
| Conversion to Provisional Appointment          | 0           | Correction                                | 173 |
| Reallocation                                   | 9           | Cancellation                              | 23  |
| Repricing                                      | 8           | Change in Retirement Code                 | 0   |
| Change in Title                                | 0           | Pay Differential - Shortage               | 2   |
| Limited Term Promotion                         | 1           | Pay Retention Differential                | 9   |
| Return to Former or Similar Position           | 0           | Ext. of Initial Probation                 | 2   |
| Intra-Agency Transfer                          | 6           |   |     |
| Intra-Agency Appointment                       | 10          |   |     |

*Note: Additional categories of personnel actions reported this year.*

Note: Additional categories of personnel actions reported this year.



# DIVISION OF AQUATIC RESOURCES

*Fiscal Year 1989-90*

## Commercial Fish Landings by Species, State of Hawaii First Six Months

| Sea Catch<br>by Species | Lbs.<br>Landed | Lbs<br>Sold | Value     |
|-------------------------|----------------|-------------|-----------|
| Tuna (Unclass)          | 199            | 158         | 325       |
| Aku                     | 1,978,776      | 1,946,798   | 2,572,333 |
| Ahi (Yellowfin)         | 1,570,046      | 1,544,447   | 3,320,899 |
| Ahipalaha               | 111,250        | 110,733     | 154,522   |
| Ahi (Bigeye)            | 557,692        | 557,478     | 1,756,303 |
| Kawakawa                | 12,754         | 9,525       | 10,409    |
| Manchon-pomfret         | 5,973          | 5,973       | 10,014    |
| Swordfish (Unclass)     | 290            | 290         | 332       |
| Striped marlin          | 153,224        | 149,661     | 181,630   |
| Pacific Blue marlin     | 672,082        | 613,165     | 535,978   |
| Black marlin            | 11,573         | 10,195      | 9,308     |
| S.N. spearfish          | 34,625         | 33,138      | 40,866    |
| Swordfish               | 170,847        | 170,762     | 645,512   |
| Sailfish                | 4,323          | 4,084       | 4,885     |
| Keokeo                  | 12             | 8           | 15        |
| Mahimahi                | 177,003        | 168,835     | 485,590   |
| Ono                     | 200,400        | 191,862     | 592,596   |
| Hapuupuu                | 27,120         | 26,857      | 78,541    |
| Kahala                  | 13,779         | 2,981       | 2,352     |
| Kalikali                | 8,326          | 7,470       | 16,031    |
| Omilu                   | 7,550          | 7,207       | 17,473    |
| Opakapaka               | 178,630        | 173,565     | 659,200   |
| Uku                     | 89,883         | 88,033      | 287,099   |
| Ehu                     | 23,559         | 21,968      | 73,764    |
| Onaga                   | 95,667         | 91,461      | 411,308   |
| Ulua (Unclass)          | 49,342         | 43,773      | 76,518    |
| Ulua-Buta               | 25,403         | 25,245      | 50,600    |
| Ulua-Dobe               | 276            | 246         | 242       |
| Ulua-Gunkan             | 214            | 214         | 386       |
| Ulua-Menpachi           | 816            | 802         | 1,230     |
| Ulua-Paapaa             | 6,505          | 6,274       | 16,964    |
| Ulua-White/Black        | 26,181         | 25,996      | 38,984    |
| Ulua kihikihi           | 826            | 716         | 1,366     |
| Aawa                    | 3,300          | 2,942       | 2,827     |
| Ahaaha                  | 116            | 108         | 121       |
| Aholehole               | 2,954          | 2,765       | 6,468     |
| Akule                   | 352,688        | 312,179     | 545,298   |
| Hahalalu                | 44,694         | 43,367      | 70,090    |
| Alaihi                  | 214            | 214         | 658       |
| Alaihi Mama (uukanepou) | 59             | 59          | 153       |
| Amaama                  | 2,195          | 2,045       | 5,367     |
| Summer Mullet           | 11             | 11          | 6         |
| Awa                     | 136            | 81          | 70        |
| Awaawa                  | 24             | 3           | 3         |
| Aweoweo                 | 2,325          | 2,102       | 3,318     |
| Ea                      | 253            | 202         | 175       |
| Hanui                   | 240            | 222         | 294       |
| Hauliuli                | 109            | 9           | 2         |
| Hilu                    | 7              | 7           | 7         |
| Hinalea                 | 370            | 340         | 286       |
| Humuhumu                | 245            | 178         | 140       |
| Iheihe                  | 10             | 10          | 19        |
| Kaku                    | 67,991         | 67,416      | 12,048    |
| Kala                    | 1,821          | 1,634       | 1,210     |
| Kamano                  | 6,246          | 5,702       | 7,506     |
| Kawealea                | 1,927          | 1,581       | 2,037     |
| Kole                    | 3,515          | 3,300       | 4,494     |
| Kumu                    | 3,147          | 2,933       | 17,793    |

| Sea Catch<br>by Species | Lbs.<br>Landed | Lbs<br>Sold | Value     |
|-------------------------|----------------|-------------|-----------|
| Kupipi                  | 31             | 31          | 23        |
| Kupoupou                | 40             | 14          | 57        |
| Laenihi                 | 3,190          | 2,609       | 9,929     |
| Lae                     | 384            | 289         | 368       |
| Lehi                    | 26,072         | 24,549      | 72,920    |
| Maiko                   | 725            | 702         | 402       |
| Malolo                  | 13             | 13          | 22        |
| Makiawa                 | 5              | 4           | 11        |
| Mako                    | 5,784          | 5,784       | 4,623     |
| Malu                    | 280            | 280         | 500       |
| Maomao                  | 491            | 487         | 835       |
| Manini                  | 2,765          | 2,479       | 4,706     |
| Mano                    | 13,808         | 10,789      | 7,584     |
| Mano thresher           | 16,491         | 16,326      | 10,082    |
| Mano tiger              | 69             | 69          | 86        |
| Moano                   | 2,942          | 2,542       | 9,957     |
| Moana kali-aoweke       | 2,529          | 2,335       | 15,996    |
| Moi                     | 1,288          | 1,230       | 5,848     |
| Moilua                  | 25             | 25          | 71        |
| Mu                      | 765            | 684         | 1,594     |
| Munu (Joe Lewis)        | 140            | 136         | 1,075     |
| Naenae                  | 1,125          | 1,125       | 814       |
| Nenu                    | 2,943          | 2,724       | 2,784     |
| Nohu                    | 924            | 896         | 2,690     |
| Nunu                    | 64             | 64          | 42        |
| Hogo                    | 1,162          | 1,106       | 3,909     |
| Oililepa                | 242            | 195         | 282       |
| Oio                     | 2,030          | 1,628       | 1,584     |
| Omaka                   | 78             | 78          | 273       |
| Oopuhue                 | 3              | 0           | 0         |
| Opah (Manendai)         | 31,840         | 31,840      | 35,214    |
| Opelu                   | 253,285        | 245,565     | 396,434   |
| Opelu kala              | 1,108          | 870         | 533       |
| Pala                    | 39             | 39          | 39        |
| Opelu mama              | 88             | 88          | 156       |
| Pakuikui                | 188            | 188         | 113       |
| Pakii                   | 9              | 9           | 10        |
| Palani                  | 8,478          | 8,110       | 8,765     |
| Panuhunuhu              | 664            | 614         | 1,761     |
| Panunu                  | 52             | 52          | 151       |
| Paopao                  | 45             | 45          | 53        |
| Poopaa                  | 396            | 389         | 579       |
| Poou                    | 304            | 195         | 389       |
| Pualu                   | 1,778          | 1,614       | 1,682     |
| Puhi                    | 202            | 199         | 92        |
| Puhi (White)            | 110            | 96          | 76        |
| Roi                     | 293            | 277         | 668       |
| Saba                    | 46             | 46          | 118       |
| Taape                   | 24,683         | 21,499      | 20,868    |
| Toau                    | 573            | 543         | 1,580     |
| Uhu                     | 16,945         | 16,410      | 30,191    |
| Ukikiki (Gindai)        | 1,634          | 1,478       | 4,185     |
| Upapalu                 | 3              | 1           | 2         |
| Uouoa                   | 260            | 255         | 531       |
| Uu                      | 14,675         | 13,848      | 38,899    |
| Walu                    | 6,308          | 6,308       | 3,270     |
| Weke                    | 10,845         | 10,283      | 16,796    |
| Weke ula                | 10,768         | 9,659       | 22,983    |
| Weke pueo               | 123            | 0           | 0         |
| Alfonsin                | 149            | 149         | 336       |
| Crab (Unclass.)         | 168            | 138         | 171       |
| Crab (Aama)             | 112            | 108         | 648       |
| Crab (Kona)             | 3,345          | 2,740       | 18,264    |
| Crab (Samoan)           | 3              | 1           | 2         |
| Crab (White)            | 4,414          | 4,155       | 15,361    |
| Shrimp (Opae)           | 60             | 57          | 285       |
| Shrimp (Laevigatus)     | 216,419        | 216,417     | 857,475   |
| Spiny Lobster           | 197,386        | 186,104     | 2,119,396 |
| Slipper Lobster         | 42,339         | 37,605      | 289,682   |
| Hee                     | 9,946          | 7,765       | 18,734    |
| Muhee                   | 4,537          | 3,924       | 7,941     |
| Opihi                   | 5,364          | 4,946       | 13,758    |
| Wana                    | 70             | 0           | 0         |
| Lole (Namako)           | 17             | 17          | 88        |
| Limu (Unclass.)         | 396            | 139         | 514       |



| Sea Catch<br>by Species  | Lbs.<br>Landed   | Lbs<br>Sold      | Value             |
|--------------------------|------------------|------------------|-------------------|
| Limu (Kohu)              | 1,271            | 1,264            | 7,351             |
| Limu (Manauaea)          | 838              | 832              | 2,404             |
| Limu (Ogo)               | 2,076            | 1,610            | 4,369             |
| Limu (Waiwaeiole)        | 881              | 881              | 2,818             |
| Misc.                    | 2,591            | 2,497            | 3,022             |
| <b>TOTAL SEA CATCH</b>   | <b>7,674,275</b> | <b>7,410,392</b> | <b>16,841,789</b> |
| Pond Catch<br>by Species | Lbs.<br>Landed   | Lbs.<br>Sold     | Value             |
| Ulua                     | 59               | 59               | 132               |
| Aholehole                | 5                | 5                | 8                 |
| Amaama                   | 313              | 313              | 1,139             |
| Awa                      | 471              | 456              | 780               |
| Awaawa                   | 103              | 103              | 101               |
| Kaku                     | 537              | 477              | 1,277             |
| Lai                      | 3                | 0                | 0                 |
| Moi                      | 111              | 111              | 551               |
| Oio                      | 2,848            | 2,848            | 3,400             |
| Pualu                    | 336              | 336              | 334               |
| Summer mullet            | 54               | 54               | 133               |
| Toau                     | 91               | 91               | 341               |
| Tilapia                  | 449              | 449              | 1,755             |
| Crab (Samoan)            | 237              | 237              | 973               |
| Hihiwai                  | 110              | 110              | 297               |
| Misc.                    | 3,744            | 3,744            | 9,616             |
| <b>TOTAL POND</b>        | <b>9,471</b>     | <b>9,393</b>     | <b>20,837</b>     |
| <b>GRAND TOTAL</b>       | <b>7,683,746</b> | <b>7,419,785</b> | <b>16,862,626</b> |

## Commercial Fish Landings by Island, State of Hawaii

| Sea Catch<br>by island   | Caught<br>(Pounds) | Sold<br>(Pounds) | Value<br>(\$)     |
|--------------------------|--------------------|------------------|-------------------|
| Hawaii                   | 1,463,486          | 1,417,057        | 2,687,280         |
| Maui                     | 328,413            | 248,886          | 580,878           |
| Lanai                    | 8,356              | 6,536            | 13,560            |
| Molokai                  | 30,355             | 25,221           | 78,068            |
| Oahu                     | 5,342,071          | 5,257,267        | 12,567,027        |
| Kauai                    | 499,974            | 453,805          | 912,796           |
| Niihau                   | 1,620              | 1,620            | 2,177             |
| <b>TOTAL</b>             | <b>7,674,275</b>   | <b>7,410,392</b> | <b>16,841,786</b> |
| Pond Catch<br>by island  | Caught<br>(Pounds) | Sold<br>(Pounds) | Value<br>(\$)     |
| Hawaii                   | 4,317              | 4,317            | 11,962            |
| Maui                     | 0                  | 0                | 0                 |
| Lanai                    | 0                  | 0                | 0                 |
| Molokai                  | 0                  | 0                | 0                 |
| Oahu                     | 5,154              | 5,076            | 8,876             |
| Kauai                    | 0                  | 0                | 0                 |
| Niihau                   | 0                  | 0                | 0                 |
| <b>TOTAL</b>             | <b>9,471</b>       | <b>9,393</b>     | <b>20,838</b>     |
| Total Catch<br>by island | Caught<br>(Pounds) | Sold<br>(Pounds) | Value<br>(\$)     |
| Hawaii                   | 1,467,803          | 1,421,374        | 2,699,242         |
| Maui                     | 328,413            | 248,886          | 580,878           |
| Lanai                    | 8,356              | 6,536            | 13,560            |
| Molokai                  | 30,355             | 25,221           | 78,068            |
| Oahu                     | 5,347,225          | 5,262,343        | 12,575,903        |
| Kauai                    | 499,974            | 453,805          | 912,796           |
| Niihau                   | 1,620              | 1,620            | 2,177             |
| <b>TOTAL</b>             | <b>7,683,746</b>   | <b>7,419,785</b> | <b>16,862,624</b> |



# DIVISION OF CONSERVATION & RESOURCES ENFORCEMENT

*Fiscal Year 1989-90*

## Citations, Penal Summons, Arrests and Dispositions

| Island                    | No. of Citations  | No. of Arrests | No. of Charges | Bail Forfeiture | Convictions |
|---------------------------|-------------------|----------------|----------------|-----------------|-------------|
| Hawaii                    | 30 Parking<br>142 | 1              | 143            | 0               | 2           |
| Maui<br>(Lanai & Molokai) | 3 Parking<br>215  | 12             | 227            | 1(\$30)         | 23          |
| Kauai                     | 148               | 2              | 150            | 1(\$75)         | 10          |
| Oahu                      | 26 Parking<br>192 |                | 192            |                 |             |
| TOTAL                     | 59 Parking<br>697 | 15             | 712            | \$105           | 35          |

| Island                    | Fines   | Split Fines<br>Fines/S-Fines               |
|---------------------------|---|--|
| Hawaii                    | 1(\$25)   | 1(\$50/\$25 susp. 1 year)                  |
| Maui<br>(Lanai & Molokai) | 1(\$200 + 15 hours community service)<br>4(\$75)<br>1(\$40)<br>6(\$30)<br>3(\$100)<br>1(\$150)<br>1(\$25)<br>3(\$250 + 15 hours community service)<br>2(\$50) | 1(\$275/\$200 susp.)                       |
| Kauai                     | 2(\$100)<br>6(\$50)<br>1(\$50 DAGP 1 month)<br>1(\$125)   |  |
| TOTAL                     | \$2,745 + 60 hrs. community service   | \$50/\$25 susp. 1 yr.<br>\$275/\$200 susp. |

## Disposition of Pending Cases

| Island                    | Bail Forfeiture               | Juvenile Authorities                             | Cases Dismissed | Cases Pending | Convictions |
|---------------------------|-------------------------------|--|-----------------|---------------|-------------|
| Hawaii                    | 1(\$25)<br>1(\$100)           |  | 22              | 57            | 100         |
| Maui<br>(Lanai & Molokai) | 1(\$30)                       | 9(C & R)   | 32              | 98            | 200         |
| Kauai                     |                               | 1 (C&R + attend Hunter Safety Class)<br>7(C & R) | 40              | 49            | 67          |
| Oahu                      | 8(\$50)<br>1(\$100 + \$20 PS) | 17 (C&R)   | 23              | 279           | 112         |
| TOTAL                     | \$655 + \$20 penal summons    | 34 C&R + 1 attend Hunter Safety Class            | 117             | 483           | 479         |



## Disposition of Pending Cases (cont.)

DIVISION OF  
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| Island                    | Fines   |
|---------------------------|---|
| Hawaii                    | 14 (\$50)<br>26(\$25)<br>1(\$220)<br>8(\$100)<br>1(\$200)<br>1(\$35)  |
| Maui<br>(Lanai & Molokai) | 1(\$500 + 25 hrs. comm. service; 2 days jail)<br>1(\$500 + 100 hrs. comm. service; 3 days jail)<br>1(\$750 + 25 hrs. comm. serv.; 3 days jail)<br>1(\$600 + 15 hrs. comm. service)<br>1(\$450 + 25 hrs. comm. service)<br>2(\$450 + 15 hrs. comm. service)<br>1(\$400 + 50 hrs. comm. service)<br>1(\$400 + 25 hrs. comm. service)<br>2(\$400 + 15 hrs. comm. service)<br>1(\$300 + 20 hrs. comm. service)<br>1(\$250 + 25 hrs. comm. serv.; 3 days jail)<br>1(\$250 + 15 hrs. comm. serv.)<br>1(\$205 + 35 hrs. comm. serv.)<br>1(\$200 + 35 hrs. comm. serv.)<br>1(\$200 + 25 hrs. comm. serv.)<br>2(\$200 + 15 hrs. comm. serv.)<br>1(\$200 + 10 hrs. comm. serv.)<br>1(\$200 + 5 hrs. comm. serv.)<br>1(\$150 + 25 hrs. comm. serv.)<br>2(\$150 + 15 hrs. comm. serv. + 3 weekends jail)<br>1(\$150 + 15 hrs. comm. serv.)<br>3(\$150 + 10 hrs. comm. serv.)<br>1(\$125 + 10 hrs. comm. serv.)<br>1(\$100 + 35 hrs. comm. serv.)<br>4(\$100 + 25 hrs. comm. serv.)<br>2(\$100 + 20 hrs. comm. serv.)<br>6(\$100 + 15 hrs. comm. serv.)<br>7(\$100 + 10 hrs. comm. serv.)<br>1(\$75 + 10 hrs. comm. serv.)<br>1(\$50 + 10 hr.s comm. serv.)<br>1(\$750)<br>4(\$500)<br>1(\$325)<br>4(\$250)<br>5(\$200)<br>5(\$150)<br>1(\$105)<br>17(\$100)<br>2(\$75)<br>1(\$55)<br>32(\$50)<br>5(\$45)<br>4(\$40)<br>4(\$35)<br>22(\$30)<br>16(\$25)<br>1(\$20)<br>5(\$15)<br>2(\$10) |
| Kauai                     | 3(\$125 + net forfeited)<br>1(\$100 + DANCP 6 mo. + attend Hunter Safety)<br>1(\$15)<br>1(\$30)<br>5(\$50)<br>1(\$50 SGF; DAGP 6 mos.)<br>1(\$200 SGF; attend Hunter Safety Class)<br>1(\$50 + attend Hunter Safety Class)<br>2(\$150 + attend Hunter Safety Class)<br>8(\$100)<br>3(\$25)<br>1(\$20)<br>1(\$200)<br>3(\$100 + attend Hunter Safety Class)<br>3(\$100 + DAG 6 mos.)<br>1(\$50 DANCP 6 mos.)<br>3(\$75 DANCP 6 mos.)   |



Disposition of Pending Cases (cont.)

| Island | Fines  |
|--------|--|
| Oahu   | 1(\$150)   |
|        | 1(\$100 + net forfeited)   |
|        | 1(\$50 + \$100 which was susp. 12/12/89)   |
|        | 1(\$100; DAGP 6 mos.; firearm forfeit)   |
|        | 1(\$25 + 15 hrs. comm. serv.)  |
|        | 1(\$25 + 10 hrs. comm. serv.)  |
|        | 5(\$100)   |
|        | 21(\$50)   |
|        | 7(\$35)  |
|        | 31(\$25)   |
|        | 2(\$20)  |
|        | 1(\$100 + \$20 CTC)  |
|        | 1(\$15)  |
|        | 2(\$75)  |
|        |  |
| TOTAL  | \$31,290 + 1,015 hrs. comm. service + 11 days jail + 6 weekends jail + 8 attend Hunter Safety Class + 1 net forfeit + 1 firearm forfeit + 10 DAGP 6 months |

| Island                    | Suspended Fines   | Split Fines<br>Fines/S-Fines   |
|---------------------------|---|--|
| Hawaii                    | 3(\$100 susp. 1 yr.)  |  |
|                           | 1(\$100 susp. 6 mos.)   |  |
|                           | 2(\$50 susp. 30 days)   |  |
|                           | 1(\$100)  |  |
|                           | 1(\$50)   |  |
|                           | 22(\$50 until HS class completed)   |  |
|                           | 2(\$50 susp. 1 yr.)   |  |
|                           | 8(\$100/\$50 susp. 1 yr.)   |  |
|                           | 3(\$100/\$75 susp. 1 yr.)   |  |
|                           | 1(\$25/\$15 susp. 1 mo.)  |  |
| Maui<br>(Lanai & Molokai) |   | 1(\$1,00/\$500 susp. 3.5 hrs. comm. service)   |
|                           |   | 2(\$100/\$75 susp. 6 mos.)   |
|                           |   | 1(\$100/\$75 susp. 6 mos. \$25 specimen)   |
|                           |   | 3(\$500/\$200 susp.)   |
|                           |   | 4(\$750/\$200 susp.)   |
|                           |   | 1(\$1,000/\$750 susp.)   |
|                           |   | 1(\$100/\$50 susp.)  |
| Kauai                     |   | 1(\$250/\$100 State Gen. Fund)   |
|                           |   | 1(\$100; lic. susp. 6 mos. attend Hunter Safety Class)   |
|                           |   | 1(\$100/\$100 susp. 1 yr.;<br>\$100 for net; \$255 for specimen)   |
|                           |   | 1(\$150/\$100 susp. 1 yr.)   |
|                           |   | 1(\$500/\$250 susp. 1 yr.)   |
|                           |   | 1(\$500/\$250 susp. 6 mos.; \$50 for specimen)   |
|                           |   | 1(\$500/\$350 susp. 6 mos.; \$255 for specimen)  |
|                           |   | 1(\$700/\$300 susp. 1 yr.)   |
|                           |   | 1(\$1,000/\$500 susp. 1 yr. + attend Hunter<br>Safety Class)   |
|                           |   | 1(\$100/\$50 susp. 6 mos.)   |
|                           |   |  |
| Oahu                      |   | 1(\$100/SS 6 mos.)   |
|                           |   | 1(DAGP 30 days; State Gen Fund \$15)   |
|                           |   | 2(DAGP 90 days; State Gen. Fund \$25)  |
|                           |   | 1(\$500/\$350 susp. 1 yr.)   |
|                           |   | 1(\$100/SS 1 yr.)  |
| TOTAL                     | \$400 susp. 1 year<br>\$100 susp. 6 months<br>\$100 susp. 30 days<br>\$100 susp.<br>\$50 susp.<br>\$1,100 susp. until Hunter Safety class completed | \$4,150/\$1,800 susp. 1 yr. + \$100 forfeit + \$255 for<br>specimen + 1 attend Hunter Safety class<br>\$1,000/\$500 susp. + 3.5 hrs. community service<br>\$1,500/\$875 susp. 6 mos. + \$330 for specimen<br>\$5,850/\$2,200 susp. + \$100 State General Fund<br>\$100; license susp. 6 mos.; attend Hunter Safety class<br>\$100/SS 6 months<br>\$25/\$15 susp. 1 month<br>DAGP 210 days; \$40 State General Fund |



## Disposition of Pending Cases (cont.)

DIVISION OF  
CONSERVATION  
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| Island | Suspended Sentence  |
|--------|---|
| Hawaii | 1(25 hrs. community service)<br>1(6 months probation)<br>3(30 days probation)   |
| Kauai  | 1(contribute \$125 SGF)<br>1(S/S)   |
| Oahu   | 4(S/S 90 days)<br>2(S/S 1 month)<br>6(S/S 6 months)<br>5(S/S 30 days)<br>3(S/S 3 months)  |
| TOTAL  | 25 Hrs. community service<br>6 months probation<br>90 days probation<br>Contribute \$125 State General Fund<br>1 - S/S<br>4 - S/S 90 days<br>2 - S/S 1 month<br>6 - S/S 6 months<br>5 - S/S 30 days<br>3 - S/S 3 months |

## Field Activities

| Patrols & Investigations | Number  |
|--------------------------|---------|
| Vehicles (Miles)         | 845,198 |
| Foot (Miles)             | 1,555   |
| Boat (Miles)             | 6,170   |
| Horseback (Miles)        | 31      |
| Swimming (Miles)         | 1       |
| Helicopter               | 875     |

| Field Contacts Made     | Actual | Citations | Arrests | Warnings |
|-------------------------|--------|-----------|---------|----------|
| Commercial fishermen    | 3,711  | 30        |         | 49       |
| Marine sport fishermen  | 24,328 | 167       | 4       | 129      |
| Freshwater fishermen    | 4,654  | 46        |         | 144      |
| Hunters                 | 7,319  | 147       | 4       | 80       |
| State parks users       | 17,472 | 141       | 8       | 256      |
| Forestry users          | 2,883  | 13        | 1       | 41       |
| Wildlife sanctuary      | 285    | 5         |         | 15       |
| Natural area reserves   | 825    | 42        |         | 22       |
| MLCD                    | 1,378  | 18        |         | 36       |
| FMA                     | 2,830  | 10        |         | 14       |
| Land Management         | 44,625 | 8         |         | 215      |
| Endangered species      | 48     |           | 2       |          |
| County Ordinance        | 88     | 42        |         | 3        |
| Firearm                 | 1      |           | 2       |          |
| Hawaii Revised Statutes | 2      |           | 2       |          |

| Inspections Made          | Number | Warnings |
|---------------------------|--------|----------|
| Commercial fishing crafts | 1,182  | 2        |
| Sport fishing crafts      | 453    | 4        |
| Hunters                   | 4      |          |
| Fish markets              | 3,167  |          |
| Fish peddlers             | 47     |          |
| License agents            | 128    |          |
| Aquarium fish facility    | 39     |          |
| State Parks               | 3      |          |
| Tea houses/restaurants    | 53     |          |



## Field Activities (cont.)

| Complaints and Investigations | Number | Hours  |
|-------------------------------|--------|--------|
| Fishing (Commercial)          | 58     | 153.25 |
| Hunting                       | 101    | 484.00 |
| Forestry                      | 66     | 297.00 |
| State Parks                   | 161    | 538.25 |
| DLNR CDUA                     | 185    | 558.25 |
| Natural Area Reserves         | 33     | 106.50 |
| Miscellaneous                 | 1      | 1.00   |
| Fishing (Saltwater)           | 198    | 532.00 |
| Fishing (Freshwater)          | 11     | 31.25  |
| Wildlife sanctuary            | 75     | 299.75 |
| Endangered species            | 114    | 569.50 |
| MLCD                          | 53     | 162.50 |
| FMA                           | 28     | 56.25  |
| Land Management               | 133    | 820.25 |

## Citations and Arrests

| Type of Violation  | Number |
|--|--------|
| <b>Fishing:</b>  |        |
| Engaging in commercial fishing without a license                             | 5      |
| Expired commercial marine license  | 1      |
| Fish dealer to report  | 6      |
| Receipts in duplicate - failure to issue receipts/purchase marine life       | 1      |
| Sale or offer of sale - minimum size (opakapaka - less than one pound)       | 2      |
| Sale or offer of sale - minimum size (Spiny lobster - less than 3¼ carapace  | 5      |
| Sale or offer of sale - minimum size (Slipper lobster - less than 1#)        | 1      |
| Sale or offer of sale - minimum size (opihi - less than 1¼" diameter)        | 2      |
| Taking of baitfish - no commercial bait license                              | 5      |
| Taking of coral rubble for commercial purpose                                | 2      |
| Stony coral - taking prohibited  | 2      |
| Taking coral rubble - more than one gallon                                   | 1      |
| Restrictions on taking baitfish  | 4      |
| Prohibited activity - taking oysters   | 1      |
| Taking/possession undersize opihi (less than 1¼" diameter)                   | 7      |
| Possession moi-lili less than 7"   | 6      |
| Minimum size - papio (less than 7")  | 7      |
| Octopus - less than one pound  | 15     |
| Netting akule less than 8½"  | 2      |
| Restrictions on taking Moi   | 13     |
| Restrictions on Samoan Crab (less than 6")                                   | 17     |
| Unlawful fishing for O'opu   | 7      |
| Possession of net where O'opu can be taken                                   | 4      |
| Unlawful possession of sea mullet - closed season                            | 7      |
| Certain crustaceans protected - lobster closed season                        | 5      |
| Undersized crustacean (Spiny Lobster)  | 5      |
| Unlawful taking crustacean with eggs (Spiny Lobster)                         | 3      |
| Fishing with firearms/spear (speared - lobster)                              | 9      |
| Fishing with firearms/spear (speared turtle)                                 | 2      |
| Endangered and threatened species (Green Sea Turtle)                         | 2      |
| Prohibited activity - ogo (over 10# commercial bag limit)                    | 7      |
| Prohibited activity - ogo (over 1# bag limit)                                | 13     |
| Prohibited activity - ogo (with holdfast)                                    | 8      |
| Prohibited activity - ogo (with reproductive nodes)                          | 1      |
| Fishing with fine mesh thrownet  | 10     |
| Possession of fine mesh thrownet   | 20     |
| Possession of undersized mesh - lobster trap                                 | 1      |
| Fishing with fine mesh net   | 24     |
| Unlawful possession/use of electro-fishing device                            | 2      |
| Prohibited activity - Puako Bay (netting)                                    | 1      |
| Prohibited activity - Waiakea Pond (netting)                                 | 2      |
| Prohibited activity - Wailea (netting)                                       | 1      |
| Prohibited activity - Kahului (fishing)                                      | 4      |
| Prohibited activity - Honolulu (fishing)                                     | 3      |
| Prohibited activity - Waiakaena Canal (fishing)                              | 1      |
| Prohibited activity - Waikiki Diamond Head (fishing)                         | 11     |
| Prohibited activity - Waikiki Diamond Head (no spearing between 6 PM - 6 AM) | 4      |
| Prohibited activity - Pokai Bay (spearing)                                   | 1      |
| Prohibited activity - Hanauma Bay (take/possess marine life)                 | 4      |
| Prohibited activity - Manele/Hulopoe (taking marine life)                    | 2      |
| Prohibited activity - in MLCD (taking marine life)                           | 1      |



## Citations and Arrests (cont.)

DIVISION OF  
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| Type of Violation   | Number     |
|---|------------|
| <b>Fishing (cont.):</b>   |            |
| Prohibited activity - in MLCD (netting in prohibited area)            | 1          |
| Freshwater fishing without a license                                  | 8          |
| Failure to display freshwater fishing license                         | 1          |
| Prohibited activity - Wahiawa PFA (entering Spillway Dam Area)        | 2          |
| Prohibited activity - Wahiawa PFA (fishing with 200' of Spillway Dam) | 2          |
| Prohibited activity - Wahiawa PFA (no flotation device)               | 4          |
| Prohibited activity - Wailoa (prohibited fossil fuel engine)          | 1          |
| Prohibited activity - Wailoa (no life preserver)                      | 1          |
| Prohibited activity - Wailoa (prohibited boat operation after hours)  | 3          |
| <b>TOTAL FISHING VIOLATIONS</b>                                       | <b>293</b> |

| Type of Violation  | Number     |
|--|------------|
| <b>Hunting:</b>  |            |
| Hunting license required (hunting without a license)                         | 23         |
| Failure to carry/display hunting license                                     | 6          |
| Unlawful use of hunting license  | 1          |
| No entry permit  | 18         |
| No watershed permit  | 1          |
| Hunting in closed area   | 2          |
| Hunting on private land without landowner's permission                       | 7          |
| Night hunting on private land  | 2          |
| Hunting days - hunting on non-hunting day                                    | 3          |
| Hunting game mammal closed season  | 1          |
| Pig hunting out of season  | 2          |
| Illegal possession of game mammal  | 2          |
| Exceeding bag limit - goat   | 3          |
| Hunting goat without valid tag   | 5          |
| Prohibited hunting - possession goat during closed season                    | 1          |
| Conditions & restrictions - (removal live goat from GMA)                     | 1          |
| Conditions & restrictions - (transfer of Axis deer permit)                   | 1          |
| Conditions & restrictions - (failure to check-in)                            | 14         |
| Conditions & restrictions - (no orange colored garment)                      | 19         |
| Conditions & restrictions - (rifle less than 1,200 ft. lbs. muzzle velocity) | 1          |
| Conditions & restrictions - (safety zone violation)                          | 1          |
| Prohibited activity - failure to tag game                                    | 2          |
| Dogs in prohibited area  | 2          |
| Bird hunting during closed season  | 3          |
| Hunting birds in a safety zone   | 1          |
| Removal of feathered head  | 1          |
| Unauthorized shooting of birds (name not on control permit)                  | 2          |
| Illegal firearm  | 3          |
| Possession of loaded firearm in vehicle                                      | 5          |
| Firearm in archery area  | 2          |
| Hand gun in archery area   | 1          |
| Discharging firearm in vehicle   | 1          |
| Possession over/under rifle (rifle/shotgun)                                  | 1          |
| Possession of steel metal jack ammunition                                    | 3          |
| Possession of ball ammo.   | 1          |
| Possession of firearms in Waimea Canyon safety zone                          | 7          |
| <b>TOTAL HUNTING VIOLATIONS</b>  | <b>149</b> |



## Citations and Arrests (cont.)

| Type of Violation   | Number     |
|---|------------|
| <b>State Parks:</b>   |            |
| Permit conditions - camping without a permit                      | 37         |
| Possession of alcohol in State Park                               | 2          |
| Animals - dog loose in park                                       | 3          |
| Intoxication, drug incapacitation (poss. marijuana in State Park) | 1          |
| Abandon property in State Park - Sand Island                      | 1          |
| Prohibited nudity in State Park                                   | 1          |
| Driving vehicle off road (on grass)                               | 17         |
| Operating vehicle in State Park                                   | 11         |
| Closed area - Iao State Park                                      | 6          |
| Closed area - Hapuna State Park                                   | 1          |
| Closed area - Old Kona Airport                                    | 10         |
| Closed area - Sand Island State Park                              | 6          |
| Closed area - Magic Island  | 18         |
| Closed area - Stadium Park  | 1          |
| Animal in State Park (Makena)                                     | 1          |
| Theft in State Park   | 1          |
| Commercial business operation without permit                      | 1          |
| Violation of permit conditions - camping in non-designated area   | 5          |
| Prohibited fires  | 5          |
| Residence prohibited  | 5          |
| Sanitation & litter   | 5          |
| Prohibited boating activity                                       | 1          |
| <b>TOTAL STATE PARK VIOLATIONS</b>                                | <b>139</b> |
| <b>Forestry:</b>  |            |
| Collecting forest items without permit (Maile)                    | 1          |
| Littering forest reserve  | 2          |
| Collecting forest items without permit (Ohia logs)                | 1          |
| No access permits   | 2          |
| Possession of firearm in forest reserve                           | 1          |
| Removing lava rocks from state forest reserve lands               | 4          |
| Prohibited activity in forest reserve without permit              | 1          |
| Camping without permit in forest reserve                          | 1          |
| <b>TOTAL FORESTRY VIOLATIONS</b>                                  | <b>13</b>  |
| <b>Fish and Wildlife Sanctuary:</b>                               |            |
| Prohibited entry - Goat Island                                    | 5          |
| <b>TOTAL FISH AND WILDLIFE SANCTUARY VIOLATIONS</b>               | <b>5</b>   |
| <b>Natural Area Reserves:</b>                                     |            |
| Prohibited activity - Ahihi-Kinau NARS (taking marine life)       | 28         |
| Prohibited activity - Ahihi-Kinau NARS (motorized vessel)         | 26         |
| <b>TOTAL NATURAL AREA RESERVES VIOLATIONS</b>                     | <b>54</b>  |
| <b>Miscellaneous:</b>   |            |
| Operating vehicle on beach - Maui County Ordinance                | 42         |
| Disregarding directional arrows                                   | 1          |
| Operating quad-cycle on beach (Honolulu County Ordinance)         | 7          |
| Operating vehicle on beach (Honolulu County Ordinance)            | 1          |
| Felon in possession of firearm                                    | 1          |
| Place to keep   | 1          |
| Exhibition of speed   | 1          |
| Endangering welfare of a minor                                    | 1          |
| Behavior injurious to a minor                                     | 1          |
| Driving vehicle license suspended                                 | 1          |
| Untaxed motor vehicle   | 1          |
| No driver's license   | 1          |
| No car insurance  | 1          |
| Prohibited activity - Manele/Hulopoe MLCD - motorized craft       | 1          |
| <b>TOTAL MISCELLANEOUS VIOLATIONS</b>                             | <b>61</b>  |



## Licenses and Permits/Commercial Marine Fishing

DIVISION OF  
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| Type                          | Hawaii          | Maui            | Kauai           | Oahu            | Statewide       |
|-------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>Resident</b>               |                 |                 |                 |                 |                 |
| Number                        | 1,069           | 440             | 431             | 1,283           | 3,223           |
| Amount                        | \$26,700        | \$11,000        | \$10,775        | \$32,075        | \$80,550        |
| <b>Non-Resident</b>           |                 |                 |                 |                 |                 |
| Number                        | 43              | 2               | 1               | 263             | 309             |
| Amount                        | \$2,150         | \$100           | \$50            | \$13,150        | \$15,450        |
| <b>Duplicate</b>              |                 |                 |                 |                 |                 |
| Number                        | 0               | 1               | 2               | 11              | 14              |
| Amount                        | 0               | 0               | \$1             | \$5             | \$6             |
| <b>Special Marine Product</b> |                 |                 |                 |                 |                 |
| Number                        | 20              | 1               | 3               | 110             | 134             |
| Amount                        | \$155           | \$5             | \$8             | \$361           | \$529           |
| <b>Commercial Bait</b>        |                 |                 |                 |                 |                 |
| Number                        | 5               | 11              | 3               | 17              | 36              |
| Amount                        | \$5             | \$11            | \$3             | \$17            | \$36            |
| <b>NWHI*</b>                  |                 |                 |                 |                 |                 |
| Number                        | 0               | 0               | 0               | 23              | 23              |
| Amount                        | 0               | 0               | 0               | \$23            | \$23            |
| <b>TOTAL NUMBER</b>           | <b>1,137</b>    | <b>455</b>      | <b>440</b>      | <b>1,707</b>    | <b>3,739</b>    |
| <b>TOTAL AMOUNT</b>           | <b>\$29,010</b> | <b>\$11,116</b> | <b>\$10,837</b> | <b>\$45,631</b> | <b>\$96,594</b> |

\*Northwestern Hawaiian Islands (Leeward Islands)

\*\*Fractional amount (less than a dollar) excluded

## Licenses/Freshwater Fishing

| Type                  | Hawaii      | Maui       | Kauai          | Oahu            | Statewide       |
|-----------------------|-------------|------------|----------------|-----------------|-----------------|
| <b>Resident</b>       |             |            |                |                 |                 |
| Number                | 4           | 2          | 714            | 6,869           | 7,589           |
| Amount                | \$15        | \$8        | \$2,501        | \$24,254        | \$26,778        |
| <b>Non-Resident</b>   |             |            |                |                 |                 |
| Number                |             |            | 29             | 63              | 92              |
| Amount                |             |            | \$212          | \$455           | \$667           |
| <b>Tourist</b>        |             |            |                |                 |                 |
| Number                |             |            | 130            | 177             | 307             |
| Amount                |             |            | \$466          | \$639           | \$1,105         |
| <b>Juvenile</b>       |             |            |                |                 |                 |
| Number                |             |            | 214            | 1,477           | 1,691           |
| Amount                |             |            | \$300          | \$2,082         | \$2,382         |
| <b>Senior Citizen</b> |             |            |                |                 |                 |
| Number                | 1           | 2          | 62             | 214             | 279             |
| Amount                |             |            |                |                 |                 |
| <b>Duplicate</b>      |             |            |                |                 |                 |
| Number                |             |            | 4              | 48              | 52              |
| Amount                |             |            | \$2            | \$24            | \$26            |
| <b>TOTAL NUMBER</b>   | <b>5</b>    | <b>4</b>   | <b>1,153</b>   | <b>8,848</b>    | <b>10,010</b>   |
| <b>TOTAL AMOUNT</b>   | <b>\$15</b> | <b>\$8</b> | <b>\$3,481</b> | <b>\$27,454</b> | <b>\$30,958</b> |

\*Fractional amount (less than a dollar) excluded



DIVISION OF  
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**Licenses/Hunting**

| Type                  | Hawaii          | Maui            | Kauai           | Oahu            | Statewide        |
|-----------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| <b>Resident</b>       |                 |                 |                 |                 |                  |
| Number                | 3,870           | 2,783           | 2,154           | 3,784           | 12,591           |
| Amount                | \$36,609        | \$26,088        | \$21,758        | \$35,012        | \$119,467        |
| <b>Non-Resident</b>   |                 |                 |                 |                 |                  |
| Number                | 226             | 264             | 30              | 100             | 620              |
| Amount                | \$4,146         | \$4,975         | \$565           | \$1,250         | \$10,939         |
| <b>Senior Citizen</b> |                 |                 |                 |                 |                  |
| Number                | 112             | 146             | 60              | 133             | 451              |
| Amount                |                 |                 |                 |                 |                  |
| <b>Duplicate</b>      |                 |                 |                 |                 |                  |
| Number                | 7               | 60              | 49              | 27              | 143              |
| Amount                | \$4             | \$30            | \$24            | \$13            | \$71             |
| <b>TOTAL NUMBER</b>   | <b>4,215</b>    | <b>3,253</b>    | <b>2,293</b>    | <b>4,044</b>    | <b>13,805</b>    |
| <b>TOTAL AMOUNT</b>   | <b>\$40,759</b> | <b>\$31,093</b> | <b>\$22,350</b> | <b>\$36,275</b> | <b>\$130,477</b> |

*\*Fractional amount (less than a dollar) excluded*

**Licenses and Permits/Miscellaneous**

| Type                  | Statewide    |
|-----------------------|--------------|
| <b>Game Bird Farm</b> |              |
| Number                | 16           |
| Amount                | \$ 16        |
| <b>Aquarium Fish</b>  |              |
| Number                | 374          |
| Amount                | —            |
| <b>TOTAL NUMBER</b>   | <b>390</b>   |
| <b>TOTAL AMOUNT</b>   | <b>\$ 16</b> |



# BUREAU OF CONVEYANCES

## Receipts of the Bureau of Conveyances

| Fiscal Year | Receipts       |                   |              |
|-------------|----------------|-------------------|--------------|
|             | Regular System | Land Court System | Total        |
| 1979-80     | \$ 907,147     | \$ 327,541        | \$ 1,234,688 |
| 1980-81     | 803,293        | 470,050           | 1,273,343    |
| 1981-82     | 753,842        | 413,397           | 1,167,239    |
| 1982-83     | 734,756        | 460,247           | 1,195,003    |
| 1983-84     | 848,104        | 562,184           | 1,410,288    |
| 1984-85     | 782,073        | 543,071           | 1,325,144    |
| 1985-86     | 902,447        | 654,922           | 1,557,369    |
| 1986-87     | 1,211,324      | 1,346,402         | 2,557,726    |
| 1987-88     | 1,256,560      | 1,304,988         | 2,561,548    |
| 1988-89     | 1,277,554      | 1,291,847         | 2,569,401    |
| 1989-90     | 1,748,500      | 1,515,672         | 3,264,172    |
| TOTAL       | \$11,225,600   | \$8,890,321       | \$20,115,921 |

## Documents Received and Certificates of Title Issued

| Fiscal Year | Documents Received |                |                   | Land Court<br>Certificates<br>of Title Issued |
|-------------|--------------------|----------------|-------------------|---|
|             | Total              | Regular System | Land Court System |   |
| 1979-80     | 228,471            | 157,008        | 71,463            | 12,323  |
| 1980-81     | 191,115            | 136,674        | 54,441            | 8,599   |
| 1981-82     | 164,810            | 121,217        | 43,593            | 6,630   |
| 1982-83     | 187,310            | 131,701        | 55,609            | 8,932   |
| 1983-84     | 219,238            | 152,470        | 66,768            | 11,107  |
| 1984-85     | 202,813            | 140,001        | 62,812            | 11,192  |
| 1985-86     | 236,769            | 156,938        | 79,831            | 11,474  |
| 1986-87     | 290,054            | 196,145        | 93,909            | 14,693  |
| 1987-88     | 280,751            | 190,243        | 90,508            | 16,480  |
| 1988-89     | 280,510            | 191,071        | 89,439            | 16,299  |
| 1989-90     | 305,387            | 205,445        | 99,942            | 20,826  |
| TOTAL       | 2,587,228          | 1,778,913      | 808,315           | 138,555                                       |

## Value of Property Transfer in Hawaii (in thousands of dollars)

| Fiscal Year | Honolulu   |                | Hawaii     |                | Maui       |                | Kauai      |                | State          |
|-------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|----------------|
|             | % of State | Value (\$1000) | % of State | Value (\$1000) | % of State | Value (\$1000) | % of State | Value (\$1000) | Value (\$1000) |
| 1979-80     | 68.2       | 3,089,239      | 13.1       | 591,763        | 12.5       | 565,806        | 6.2        | 282,919        | 4,529,727      |
| 1980-81     | 63.4       | 2,512,596      | 12.8       | 506,007        | 14.3       | 566,960        | 9.5        | 374,451        | 3,960,014      |
| 1981-82     | 69.5       | 2,011,748      | 10.6       | 306,301        | 12.2       | 353,045        | 7.7        | 221,538        | 2,892,632      |
| 1982-83     | 62.9       | 1,903,777      | 9.7        | 293,964        | 21.0       | 637,263        | 6.4        | 192,462        | 3,027,466      |
| 1983-84     | 69.0       | 2,474,132      | 14.4       | 514,705        | 12.3       | 441,485        | 4.3        | 155,003        | 3,585,325      |
| 1984-85     | 68.3       | 2,540,240      | 9.3        | 346,375        | 17.5       | 649,114        | 4.9        | 183,930        | 3,719,659      |
| 1985-86     | 67.4       | 2,623,227      | 10.1       | 392,623        | 13.9       | 541,935        | 8.6        | 335,562        | 3,893,347      |
| 1986-87     | 68.5       | 4,964,905      | 10.3       | 747,431        | 17.2       | 1,242,388      | 4.0        | 290,668        | 7,245,392      |
| 1987-88     | 74.5       | 5,927,159      | 9.9        | 791,379        | 11.2       | 892,110        | 4.4        | 347,502        | 7,958,150      |
| 1988-89     | 62.0       | 6,439,257      | 13.0       | 1,394,053      | 19.0       | 1,984,956      | 5.0        | 546,971        | 10,365,237     |
| 1989-90     | 63.0       | 10,250,752     | 12.0       | 1,978,400      | 20.0       | 3,177,647      | 5.0        | 748,087        | 16,154,886     |



# DIVISION OF FORESTRY & WILDLIFE

*Fiscal Year 1989-90*

## Construction and Maintenance of Roads, Trails, and Fences

| Island  | Miles of Construction |        |        | Miles of Maintenance |        |        |
|---------|-----------------------|--------|--------|----------------------|--------|--------|
|         | Roads                 | Trails | Fences | Roads                | Trails | Fences |
| Hawaii  | 7.0                   | 2.7    | 2.2    | 33.6                 | 34.1   | 17.5   |
| Maui    | 1.4                   | —      | 3.0    | 26.9                 | 35.7   | 20.2   |
| Molokai | —                     | —      | —      | 80.2                 | —      | —      |
| Oahu    | —                     | 8.0    | —      | 1.0                  | 34.9   | —      |
| Kauai   | —                     | —      | —      | 143.5                | 159.7  | —      |
| Lanai   | —                     | —      | —      | —                    | —      | —      |
| TOTAL   | 8.4                   | 10.7   | 5.2    | 285.2                | 264.4  | 37.7   |

## Wildlife Habitat Improvement, Noxious Plant Control, Erosion Control and Arboreta Maintenance

| Island  | Acres of Accomplishment      |                       |                 |                      |
|---------|------------------------------|-----------------------|-----------------|----------------------|
|         | Wildlife Habitat Improvement | Noxious Plant Control | Erosion Control | Arboreta Maintenance |
| Hawaii  | —                            | 94                    | 1               | 165                  |
| Maui    | —                            | 63                    | —               | 72                   |
| Molokai | 6                            | —                     | —               | —                    |
| Oahu    | 45                           | —                     | —               | 110                  |
| Kauai   | 182                          | 20                    | 4               | 715                  |
| Lanai   | —                            | —                     | —               | —                    |
| TOTAL   | 233                          | 177                   | 5               | 1,062                |

## Reforestation Program in State Forest Reserves

| Island  | Acres of Accomplishment |          |         |         |             |         |          |
|---------|-------------------------|----------|---------|---------|-------------|---------|----------|
|         | Site Preparation        | Planting | Replant | Weeding | Fertilizing | Pruning | Thinning |
| Hawaii  | 103                     | 121      | —       | 32      | 101         | —       | —        |
| Maui    | 49                      | 14       | —       | 25      | —           | —       | 10       |
| Molokai | 2                       | 1        | —       | —       | —           | —       | —        |
| Oahu    | —                       | —        | 2       | 10      | 2           | —       | 1        |
| Kauai   | 17                      | 16       | 14      | 5       | 42          | 10      | 2        |
| TOTAL   | 171                     | 152      | 16      | 72      | 145         | 10      | 13       |



## Outside Funds Received

| Source   | Amount             |
|--|--------------------|
| Forest Product Sales                                 | \$ 20,890          |
| Hunting License Sales                                | 130,474            |
| Other Minor Miscellaneous Sales, Rentals and Charges | 1,238              |
| Donations, Gifts and Grants                          | 3,170              |
| <b>Federal Assistance:</b>                           |                    |
| Cooperative Forestry Assistance Act                  | \$ 53,000          |
| Rural Community Fire Protection                      | 25,000             |
| Pittman-Robertson Wildlife Restoration               | 638,838            |
| Endangered Species Act—Wildlife                      | 120,000            |
| Endangered Species Act—Plants                        | 15,000             |
| Recovery of Indirect Costs                           | 86,456             |
| Lapse to General Fund                                | 6,055              |
| <b>TOTAL</b>   | <b>\$1,100,121</b> |

## Seedlings Produced and Distributed

| Scientific Name (Common Name)                                | Quantity       |
|--|----------------|
| Acacia koa (Hawaiian koa)                                    | 94,125         |
| Acacia koaia   | 1,220          |
| Araucaria heterophylla (Norfolk Island Pine)                 | 29,345         |
| Casuarina cunninghamiana (River-Oak Ironwood)                | 79,152         |
| Casuarina equisetifolia (Beach Shortleaf Ironwood)           | 16,612         |
| Cryptomeria japonica (Sugi)                                  | 3,232          |
| Cupressus lusitanica (Mexican Cypress)                       | 18,596         |
| Cupressus macrocarpa (Monterey Cypress)                      | 7,742          |
| Cupressus sempervirens (Italian Cypress)                     | 65             |
| Eucalyptus citriodora (Lemon-gum Eucalyptus)                 | 3,442          |
| Eucalyptus deglupta (Mindanao-Gum Eucalyptus)                | 5,900          |
| Eucalyptus globulus (Bluegum Eucalyptus)                     | 1,070          |
| Eucalyptus grandis (Rosegum Eucalyptus)                      | 21,905         |
| Eucalyptus microcorys (Tallowood Eucalyptus)                 | 13,499         |
| Eucalyptus paniculata (Gray Ironbark Eucalyptus)             | 153            |
| Eucalyptus robusta (Robusta Eucalyptus)                      | 4,608          |
| Eucalyptus saligna (Saligna Eucalyptus)                      | 1,785          |
| Melaleuca leucadendron (Paperbark)                           | 22,210         |
| Olea europea (Wild olive)                                    | 9,137          |
| Pinus elliottii (Slash pine)                                 | 10,872         |
| Pinus radiata (Monterey pine)                                | 21,592         |
| Pinus taeda (Loblolly pine)                                  | 13,187         |
| Sequoia sempervirens (Redwood)                               | 1,495          |
| Sophora chrysophylla (Mamane)                                | 2,515          |
| Tristania conferta (Brisbane brushbox)                       | 4,256          |
| Other (species grown in groups of less than 50)              | 5,535          |
| <b>SUBTOTAL</b>  | <b>393,250</b> |
| <b>Community Beautification and Native Species Seedlings</b> |                |
| Ornamental and Exotic species                                | 7,969          |
| Native species   | 3,179          |
| <b>SUBTOTAL</b>  | <b>11,148</b>  |
| <b>GRAND TOTAL</b>   | <b>404,398</b> |



Game Bird Harvest

|                      | Hawaii | Kauai | Maui  | Molokai | Oahu | Lanai | Total  |
|----------------------|--------|-------|-------|---------|------|-------|--------|
| California Quail     | 1,443  | —     | 62    | 40      | —    | —     | 1,545  |
| Gambel's Quail       | 21     | —     | —     | —       | —    | 1     | 22     |
| Japanese Quail       | 435    | —     | —     | 2       | —    | 7     | 444    |
| Ring-necked Pheasant | 156    | 437   | 518   | 2       | —    | 132   | 1,245  |
| Blue Pheasant        | 24     | —     | —     | —       | —    | —     | 24     |
| Kalij Pheasant       | 325    | —     | —     | —       | —    | —     | 325    |
| Chukar Partridge     | 464    | 25    | 1,118 | —       | —    | 7     | 1,614  |
| Grey Francolin       | 347    | 19    | —     | 744     | —    | 262   | 1,372  |
| Black Francolin      | 1,121  | 72    | —     | 1,188   | —    | —     | 2,381  |
| Erckel's Francolin   | 1,716  | 745   | —     | —       | —    | 11    | 2,472  |
| Wild Turkey          | 291    | —     | —     | —       | —    | —     | 291    |
| Lace-necked Dove     | 13     | 84    | —     | 730     | —    | 38    | 865    |
| Indian Sandgrouse    | 4      | —     | —     | —       | —    | —     | 4      |
| TOTAL                | 6,360  | 1,382 | 1,698 | 2,706   | —    | 458   | 12,604 |
| # OF HUNTER TRIPS    | 7,186  | 4,218 | 1,866 | 698     | —    | 218   | 14,186 |
| BIRDS/HUNTER TRIP    | 0.88   | 0.33  | 0.90  | 5.37    | —    | 2.18  |        |
| HOURS/HUNTER TRIP    | 5.94   | 4.32  | 4.44  | 3.75    | —    | 10.70 |        |
| HOURS/BIRD           | 6.69   | 12.80 | 4.88  | .69     | —    | 4.89  |        |

Game Mammal

|                        | Hawaii | Kauai  | Maui  | Molokai | Oahu | Lanai | Total  |
|------------------------|--------|--------|-------|---------|------|-------|--------|
| Pig, Boar              | 264    | 417    | 144   | 82      | —    | —     | 907    |
| Pig, Sow               | 223    | 289    | 104   | 59      | —    | —     | 675    |
| Black-tailed Deer-Buck | —      | 5      | —     | —       | —    | —     | 5      |
| Black-tailed Deer-Doe  | —      | 29     | —     | —       | —    | —     | 29     |
| Goat, Billy            | 172    | 511    | —     | 40      | —    | —     | 723    |
| Goat, Nanny            | 55     | 188    | —     | 23      | —    | —     | 266    |
| Mouflon Sheep, Ram     | 116    | —      | —     | —       | —    | 298   | 414    |
| Mouflon Sheep, Ewe     | 11     | —      | —     | —       | —    | 109   | 120    |
| Feral Sheep, Ram       | 152    | —      | —     | —       | —    | —     | 152    |
| Feral Sheep, Ewe       | 22     | —      | —     | —       | —    | —     | 22     |
| Axis Deer, Buck        | —      | —      | —     | —       | —    | 564   | 564    |
| Axis Deer, Doe         | —      | —      | —     | —       | —    | 692   | 692    |
| TOTAL                  | 1,015  | 1,439  | 248   | 204     | —    | 1,663 | 4,569  |
| # OF HUNTER TRIPS      | 3,176  | 13,046 | 1,466 | 546     | —    | 5,994 | 24,228 |
| MAMMALS/HUNTER TRIP    | 0.31   | 0.11   | 0.16  | 0.37    | —    | 0.27  |        |

Forest and Brushland Fires in Mutual Aid Protection Areas

|                             | Number |              |       |       | Total |
|-----------------------------|--------|--------------|-------|-------|-------|
|                             | Hawaii | Maui/Molokai | Oahu  | Kauai | Total |
| Total No. Fires             | 3      | 3            | 31    | 11    | 48    |
| No. of Fires by Cause:      |        |              |       |       |       |
| Campfire                    | —      | —            | —     | 2     | 2     |
| Smoking                     | —      | —            | —     | 1     | 1     |
| Incendiary                  | —      | —            | —     | —     | —     |
| Debris Burning              | —      | —            | —     | 2     | 2     |
| Equipment Use               | —      | —            | —     | —     | —     |
| Children w/Matches          | —      | —            | —     | —     | —     |
| Miscellaneous               | 3      | 3            | 31    | 6     | 43    |
| No. of Fires by Size-Class: |        |              |       |       |       |
| Less than 1 acre            | —      | —            | 16    | 3     | 19    |
| 1 to 9 acres                | 1      | 2            | 12    | 8     | 23    |
| 10 to 99 acres              | —      | 1            | —     | —     | —     |
| 100 to 299 acres            | —      | —            | 2     | —     | —     |
| 300 to 999 acres            | —      | —            | —     | —     | —     |
| More than 1,000 acres       | 2      | —            | 1     | —     | 3     |
| TOTAL ACRES BURNED          | 2,405  | 36           | 1,324 | 17    | 3,782 |



# DIVISION OF STATE PARKS, OUTDOOR RECREATION & HISTORIC SITES

*Fiscal Year 1989-90*

## Parks Recreation

| Project        | Name  | Year <sup>7</sup><br>Established | Total<br>Acreage               | Developed<br>Acreage | Recreation<br>Visits <sup>1</sup><br>(Thousands) |
|----------------|---|----------------------------------|--------------------------------|----------------------|--|
| <b>Hawaii</b>  |   |                                  |                                |                      |  |
| F-35           | Akaka Falls State Park                                    | 1952                             | 65.4                           | 6.0                  | 556  |
| F-75           | Hapuna Beach State Recreation Area                        | 1967                             | 61.8 <sup>4</sup>              | 20.7                 | 1,135  |
| F-65           | Kalapana State Wayside                                    | 1975                             | 9.4                            | —                    | 7 <sup>14</sup>                                  |
| F-53           | Kalopa State Recreation Area                              | 1967                             | 100.0 <sup>3</sup>             | 16.2                 | 58   |
| F-13           | Kamehameha I Birthsite<br>State Monument                  | 1978                             | 0.5                            | 0.5                  | — <sup>8</sup>                                   |
| F-14           | Kealahou Bay State Historical Park<br>(Kaaawaloa Section) | 1967<br>(1971)                   | 181.7<br>(111.3)               | 0.8<br>(—)           | 51<br>(—) <sup>9</sup>                           |
|                | (Napoopoo Section)  | (1967)                           | ( 70.4)                        | (0.8)                | ( 51)  |
| F-36           | Kealahou Bay State Underwater Park                        | 1971                             | 315.0                          | —                    | — <sup>8</sup>                                   |
| H-18           | Keolanihihi State Historical Park                         | 1980                             | 12.0                           | —                    | — <sup>10</sup>                                  |
| F-66           | Kilauea State Recreation Area                             | 1966                             | 7.3                            | 0.5                  | 1  |
| H-31           | Kukuipahu Heiau State Monument                            | 1988                             | 3.0                            | —                    | — <sup>10</sup>                                  |
| F-13           | Lapakahi State Historical Park                            | 1973                             | 262.0                          | 53.3                 | 101  |
| F-34           | Lava Tree State Monument                                  | 1956                             | 17.0                           | 10.0                 | 70   |
| F-77           | MacKenzie State Recreation Area                           | 1955                             | 19.5                           | 6.0                  | 54   |
| F-69           | Manuka State Wayside                                      | 1952                             | 13.4                           | 8.0                  | 129  |
| F-64           | Mauna Kea State Recreation Area                           | 1962                             | 20.5 <sup>3</sup>              | 17.5                 | 139  |
| F-13           | Mookini Heiau State Monument                              | 1979                             | 3.2                            | 3.2                  | — <sup>8</sup>                                   |
| H-47           | Old Kona Airport State Recr. Area                         | 1976                             | 103.7 <sup>15</sup>            | 20.4                 | 796  |
| F-58           | Wailoa River State Recr. Area<br>(Wailoa Center)          | 1954<br>(1968)                   | 147.3<br>( 4.0)                | 112.7<br>( 4.0)      | 517<br>( 23)                                     |
|                | (Wailoa)  | (1954)                           | (143.3)                        | (108.7)              | (494)  |
| F-33           | Wailuku River State Park<br>(Boiling Pots Section)        | 1967<br>(1967)                   | 16.3 <sup>3</sup><br>( 6.0)    | 3.5<br>( 2.0)        | 693<br>(126)                                     |
|                | (Rainbow Falls Section)                                   | (1967)                           | ( 10.3)                        | ( 1.5)               | (567)  |
| <b>Maui</b>    |   |                                  |                                |                      |  |
| F-21           | Halekii-Pihana Heiaus State Monument                      | 1962                             | 10.2                           | 3.5                  | 11   |
| F-32           | Iao Valley State Monument                                 | 1961                             | 6.2                            | 5.9                  | 683  |
| H-24           | Kanekaula Heiau State Park Reserve                        | 1984                             | 0.7                            | —                    | — <sup>10</sup>                                  |
| F-59           | Kaunahina State Wayside                                   | 1952                             | 7.8                            | 3.5                  | 593  |
| F-81           | Launiupoko State Wayside                                  | 1965                             | 5.7                            | 5.7                  | 127  |
| F-73           | Makena State Park   | 1971                             | 158.9                          | 0.2                  | 489  |
| F-87           | Papalaui State Wayside                                    | 1975                             | 6.7                            | 6.7                  | 43   |
| F-67           | Polipoli Spring State Recr. Area                          | 1957                             | 10.0 <sup>3</sup>              | 2.0                  | 11   |
| F-59           | Puaa Kaa State Wayside                                    | 1954                             | 5.0 <sup>3</sup>               | 2.5                  | 532  |
| F-81           | Wahikuli State Wayside                                    | 1969                             | 8.3                            | 7.5                  | 158  |
| F-55           | Waianapanapa State Park                                   | 1966                             | 122.1                          | 18.0                 | 879  |
| F-59           | Wailua Valley State Wayside                               | 1952                             | 1.5                            | 0.5                  | 85   |
| <b>Molokai</b> |   |                                  |                                |                      |  |
| F-60           | Palaau State Park   | 1955                             | 233.7                          | 10.0                 | 81   |
| <b>Oahu</b>    |   |                                  |                                |                      |  |
| F-83           | Aiea Bay State Recreation Area                            | 1981                             | 6.0                            | 2.1                  | — <sup>9</sup>                                   |
| F-85           | Aiea Moana State Recreation Area                          | 1970                             | 42.7                           | 42.7                 | 614  |
| F-37           | Diamond Head State Monument                               | 1962                             | 475.0 <sup>4</sup>             | 8.0                  | 70   |
| F-38           | Hanauma Bay State Underwater Park                         | 1969                             | 101.0                          | —                    | — <sup>8</sup>                                   |
| F-27           | Heeia State Park  | 1977                             | 18.5                           | 8.0                  | 64   |
| F-97           | Honolulu Stadium State Recr. Area                         | 1978                             | 9.2                            | 9.2                  | 60   |
| F-11           | Iolani Palace State Monument                              | 1967                             | 11.0                           | 11.0                 | 72 <sup>2</sup>                                  |
| F-72           | Kaena Point State Park<br>(Keawaula Section)              | 1978<br>(1978)                   | 768.3 <sup>4</sup><br>( 414.6) | 7.5<br>( 5.0)        | 127 <sup>12</sup><br>(127) <sup>12</sup>         |



**Parks Recreation (cont.)**

| Project                                    | Name  | Year <sup>7</sup><br>Established | Total<br>Acreage  | Developed<br>Acreage | Recreation<br>Visits <sup>1</sup><br>(Thousands) |
|--|---|----------------------------------|-------------------|----------------------|--|
| <b>Oahu (cont.)</b>                        |   |                                  |                   |                      |  |
|  | (Makua Section)                                     | (1978)                           | ( 54.7)           | ( 2.5)               | (—)  |
|  | (Windward Section)                                  | (—)                              | ( 299.0)          | (—)                  | (—) <sup>9</sup>                                 |
| F-57                                       | Kahana Valley State Park                            | 1970                             | 5,220.3           | 20.0                 | 49   |
| F-88                                       | Kaiaka State Recreation Area                        | 1975                             | 52.8              | 31.5                 | 70   |
| H-73                                       | Kakaako Waterfront State Recr. Area                 | 1978                             | 2.2 <sup>3</sup>  | 2.0                  | — <sup>8</sup>                                   |
| F-48                                       | Keaiwa Heiau State Recr. Area                       | 1955                             | 384.5             | 22.0                 | 297  |
| H-68                                       | Makapuu State Wayside                               | 1987                             | 46.3              | —                    | — <sup>10</sup>                                  |
| H-70                                       | Malaekahana State Recreation Area                   | 1977                             | 110.0             | 41.5                 | 131  |
|  | (Kahuku Section)                                    | (1983)                           | ( 36.3)           | ( 1.5)               | (—) <sup>8</sup>                                 |
|  | (Kalanai Point Section)                             | (1977)                           | ( 73.7)           | (40.0)               | (131)  |
| F-30                                       | Nuuanu Pali State Wayside                           | 1964                             | 3.0 <sup>3</sup>  | 3.0                  | 609  |
| F-23                                       | Puu o Mahuka Heiau State Monument                   | 1962                             | 5.7               | 3.5                  | 6  |
| F-51                                       | Puu Ualakaa State Wayside                           | 1957                             | 50.0 <sup>3</sup> | 12.0                 | 49   |
| F-15                                       | Royal Mausoleum State Monument                      | 1968                             | 10.0              | 3.0                  | 18   |
|  | (Kapena Falls Reserve Section)                      | (1976)                           | (6.7)             | (—)                  | (—) <sup>9</sup>                                 |
|  | (Royal Mausoleum Section)                           | (1968)                           | (3.3)             | (3.0)                | ( 18)  |
| H-45                                       | Sacred Falls State Park                             | 1977                             | 1,374.2           | 10.0                 | 44   |
| F-70                                       | Sand Island State Recreation Area                   | 1970                             | 140.0             | 83.0                 | 385  |
| —  | Sans Souci State Recreation Area                    | 1969                             | 1.0               | 1.0                  | — <sup>13</sup>                                  |
| F-24                                       | Ulu Po Heiau State Monument                         | 1954                             | 8.3               | 1.2                  | 2  |
| F-61                                       | Waahila Ridge State Recr. Area                      | 1967                             | 49.9              | 7.0                  | 95   |
| F-50                                       | Wahiawa Freshwater State Recr. Area                 | 1978                             | 65.9              | 5.0                  | 74   |
| F-71                                       | Waimanalo Bay State Recr. Area                      | 1970                             | 74.8              | 36.0                 | 118  |
| <b>Kauai</b>                               |   |                                  |                   |                      |  |
| F-09                                       | Ahukini State Recreation Pier                       | 1978                             | 0.9               | 0.9                  | 92   |
| F-74                                       | Haena State Park                                    | 1972                             | 65.7              | 2.0                  | 1974   |
| F-46                                       | Kokee State Park                                    | 1952                             | 4,345.0           | 55.0                 | 867  |
| F-80                                       | Na Pali Coast State Park                            | 1962                             | 6,175.0           | 4.0                  | 91   |
| F-78                                       | Polihale State Park                                 | 1967                             | 137.74            | 10.0                 | 500  |
| F-12                                       | Russian Fort Elizabeth                              |                                  |                   |                      |  |
|  | State Historical Park                               | 1972                             | 17.3              | 10.0                 | 315  |
| F-54                                       | Wailua River State Park                             | 1954                             | 1,125.9           | 50.4                 | 3,880  |
|  | (Fern Grotto Section)                               | (1954)                           | ( 14.6)           | ( 5.0)               | (1012)   |
|  | (Kaumualii Section)                                 | (1962)                           | ( 4.0)            | ( 4.0)               | (411)  |
|  | (Lydgate Section)                                   | (1962)                           | ( 45.5)           | ( 20.0)              | (786)  |
|  | (Marina Section)                                    | (1962)                           | ( 15.4)           | ( 15.4)              | (954)  |
|  | (Poliahu Section)                                   | (1962)                           | (134.8)           | ( 6.0)               | (581)  |
|  | (Wailua Beach Section)                              | (1977)                           | ( 2.9)            | (—)                  | (136)  |
|  | (Wailua River Reserve Section)                      | (1956)                           | (908.7)           | (—)                  | (—)  |
| F-39                                       | Waimea Canyon State Park                            | 1952                             | 1,866.4           | 10.0                 | 930  |
| F-82                                       | Waimea State Recreation Pier                        | 1974                             | 1.3               | 0.2                  | 95   |
| TOTAL                                      | STATE PARKS   | 66                               | 24,701.7          | 858.0                | 19,697   |
| <b>OTHER AREAS OF STATE PARK INTEREST:</b> |   |                                  |                   |                      |  |
| <b>Hawaii</b>                              |   |                                  |                   |                      |  |
| F-58                                       | Wailoa River State Recr. Area<br>- Happiness Garden | 1978                             | 2.3               | 2.3                  | — <sup>11</sup>                                  |
| <b>Oahu</b>                                |   |                                  |                   |                      |  |
| H-21                                       | DAV Keehi Lagoon Memorial                           | 1981                             | 10.8              | 10.8                 | — <sup>8</sup>                                   |
| F-51                                       | Hawaii Nature Center                                | 1981                             | 1.0 <sup>5</sup>  | 1.0                  | 31   |
| F-92                                       | Kahala Heights                                      | 1979                             | 27.5 <sup>5</sup> | 0.8                  | — <sup>9</sup>                                   |
| H-62                                       | Keehi Lagoon Landfill                               | 1981                             | 10.9 <sup>5</sup> | —                    | — <sup>10</sup>                                  |
| F-51                                       | Lower Makiki  | 1979                             | 0.8               | 0.8                  | — <sup>9</sup>                                   |
| F-18                                       | State Capitol Grounds                               | 1969                             | 10.0 <sup>5</sup> | 10.0                 | — <sup>9</sup>                                   |
| H-29                                       | Waimano Gulch State Park Reserve                    | 1980                             | 35.9              | —                    | — <sup>10</sup>                                  |
| F-25                                       | Washington Place                                    | 1966                             | 3.1 <sup>5</sup>  | 3.1                  | — <sup>10</sup>                                  |
| <b>Kauai</b>                               |   |                                  |                   |                      |  |
| H-80                                       | Hanalei Pier  | 1979                             | 0.5 <sup>5</sup>  | 0.5                  | — <sup>10</sup>                                  |
| F-52                                       | Wahiawa Mauka State Park Reserve                    | 1968                             | 52.3              | —                    | — <sup>10</sup>                                  |
| TOTAL                                      | OTHER AREAS OF STATE PARK INTEREST                  | 11                               | 155.1             | 29.3                 | 30   |
| GRAND                                      | TOTAL   | 77                               | 24,856.8          | 887.3                | 19,727   |



## Parks Recreation/Summary by Islands

DIVISION OF  
STATE PARKS,  
OUTDOOR  
RECREATION  
& HISTORIC  
SITES

| Island  | Total No.<br>Established | Total<br>Acreage | Developed<br>Acreage | Recreation<br>Visits <sup>1</sup><br>(Thousands) |
|---|--------------------------|------------------|----------------------|--|
| Hawaii  | 19                       | 1,359.1          | 279.3                | 4,307  |
| Maui  | 12                       | 343.1            | 56.0                 | 3,611  |
| Molokai   | 1                        | 233.7            | 10.0                 | 81   |
| Oahu  | 25                       | 9,030.6          | 370.2                | 2,953  |
| Kauai   | 9                        | 13,735.2         | 142.5                | 8,744  |
| <b>TOTAL STATE PARKS</b>                        | <b>66</b>                | <b>24,701.7</b>  | <b>858.0</b>         | <b>19,696</b>                                    |
| Hawaii  | 1                        | 2.3              | 2.3                  | —  |
| Oahu  | 8                        | 100.0            | 26.5                 | 31   |
| Kauai   | 2                        | 52.8             | .5                   | —  |
| <b>TOTAL OTHER AREAS OF STATE PARK INTEREST</b> | <b>11</b>                | <b>155.1</b>     | <b>29.3</b>          | <b>31</b>  |
| <b>GRAND TOTAL</b>                              | <b>77</b>                | <b>24,856.8</b>  | <b>887.3</b>         | <b>19,727</b>                                    |

<sup>1</sup>Visits = (number of vehicles) x (occupants) or the number of actual visits, depending on the facility. One visitor may account for more than one visit.

<sup>2</sup>Number of visits for Iolani Palace Tours only. Does not include grounds.

<sup>3</sup>Acquired jurisdiction; no definite boundaries yet established; acreage is estimated.

<sup>4</sup>Acquired jurisdiction of additions; new boundaries not yet established; acreage is estimated.

<sup>5</sup>Acquired responsibility; acreage is estimated.

<sup>6</sup>No current data available - rough estimate only.

<sup>7</sup>The year State Parks Division acquired area, jurisdiction and/or responsibility for the area.

<sup>8</sup>Area is opened to the public no recreation visit counts available. (These are areas that are listed in the published Guide to Hawaii's State Parks.)

<sup>9</sup>Area is used by the public - no recreation visit counts available. (These are areas that are not listed in the published Guide to Hawaii's State Parks.)

<sup>10</sup>Area is not open to the public.

<sup>11</sup>Discontinued recreation visit count at Happiness Garden (Wailoa River State Recreation Area, Hawaii) as of November, 1984. Area has been under General Lease to a non-profit group from April, 1982.

<sup>12</sup>Includes recreation visit counts for Keawaula and Makua sections. No separate counts available.

<sup>13</sup>Sans Souci area management transferred to C&C of Honolulu 10/88. Recreation Visit count discontinued after 10/22/88.

<sup>14</sup>The park was closed indefinitely from 6/9/90 by Civil Defense because of the impending lava flow that soon after overran the park and adjoining area.

<sup>15</sup>A 34.8 acre parcel of Old Kona Airport State Recreation Area is leased out to the County of Hawaii for their Kailua Park.



## State Park and Historic Site Areas

| Year <sup>1</sup> | Areas | Acreage <sup>2</sup> | Revenues             | Total                  | Expenditures            |                        | Estimated<br>Recreation<br>Visits | Operating<br>Cost Per<br>Visit <sup>9</sup> |
|-------------------|-------|----------------------|----------------------|------------------------|-------------------------|------------------------|-----------------------------------|---|
|                   |       |                      |                      |                        | Capital<br>Improvements | Operating              |                                   |   |
| 1952              | 5     | 5,422                | NA                   | NA                     | NA                      | NA                     | NA                                | NA  |
| 1953              | 7     | 5,500                | NA                   | \$ 12,458              | —                       | \$ 12,458              | 76,000                            | 16¢   |
| 1954              | 9     | 5,739                | NA                   | 19,469                 | —                       | 19,469                 | 79,000                            | 25¢   |
| 1955              | 14    | 5,829                | NA                   | 20,109                 | \$ 7,534                | 12,575                 | 148,000                           | 9¢  |
| 1956              | 15    | 5,846                | NA                   | 28,914                 | 15,812                  | 13,102                 | 154,000                           | 9¢  |
| 1957              | 16    | 6,138                | NA                   | 25,473                 | 12,041                  | 13,432                 | 164,000                           | 8¢  |
| 1958              | 18    | 6,166                | NA                   | 16,134                 | 2,000                   | 14,134                 | 239,000                           | 6¢  |
| 1959              | 18    | 6,166                | NA                   | 24,695                 | 2,983                   | 21,712                 | 243,000                           | 9¢  |
| 1960              | 18    | 6,166                | NA                   | 49,445                 | 11,896                  | 37,549                 | 267,000                           | 14¢   |
| 1961              | 18    | 6,166                | \$ 9,337             | 542,905                | 462,347                 | 80,558                 | 297,000                           | 27¢   |
| 1962              | 21    | 6,410                | 4,557                | 482,150                | 362,474                 | 119,676                | 489,000                           | 25¢   |
| 1963              | 23    | 6,410                | 11,684               | 387,918                | 213,154                 | 174,764                | 666,000                           | 26¢   |
| 1964              | 22    | 6,412                | 20,433               | 492,666                | 289,482                 | 202,184                | 1,196,000                         | 17¢   |
| 1965              | 22    | 7,514                | 21,207               | 860,307                | 664,801                 | 195,506                | 1,893,000                         | 10¢   |
| 1966              | 27    | 7,514                | 24,428               | 2,256,056              | 1,999,232               | 256,824                | 2,710,000                         | 10¢   |
| 1967              | 34    | 7,536                | 34,650               | 1,904,582              | 1,584,395               | 320,187                | 3,204,000                         | 10¢   |
| 1968              | 36    | 7,541                | 50,905               | 2,365,088              | 1,991,749               | 373,339                | 4,767,000                         | 8¢  |
| 1969              | 38    | 8,231                | 83,038               | 2,820,857              | 2,341,486               | 479,371                | 6,142,000                         | 8¢  |
| 1970              | 41    | 15,584               | 113,552              | 3,283,580              | 2,635,823               | 647,757                | 9,520,000                         | 7¢  |
| 1971              | 44    | 15,983               | 151,198              | 3,638,211              | 2,859,905               | 778,306                | 13,007,000                        | 6¢  |
| 1972              | 46    | 16,000               | 190,165              | 5,592,396              | 4,779,141               | 813,255                | 9,798,000                         | 8¢  |
| 1973              | 46    | 16,108               | 226,541              | 2,687,296              | 1,906,652               | 780,644                | 13,271,000                        | 6¢  |
| 1974              | 53    | 16,629               | 243,039              | 2,294,804              | 1,474,636               | 820,168                | 12,907,000                        | 6¢  |
| 1975              | 53    | 18,181               | 282,182              | 15,066,142             | 14,129,563              | 936,579                | 12,124,000                        | 8¢  |
| 1976              | 55    | 18,577               | 296,656              | 8,433,095              | 6,900,347               | 1,532,748              | 14,305,000                        | 11¢   |
| 1977              | 58    | 20,151               | 326,252              | 17,728,203             | 16,104,420              | 1,623,783              | 18,864,000                        | 9¢  |
| 1978              | 64    | 20,295               | 383,234              | 9,039,297              | 7,038,675               | 2,000,622              | 15,966,000                        | 13¢   |
| 1979              | 65    | 20,625               | 547,895              | 11,291,090             | 9,031,384               | 2,259,706              | 17,911,000                        | 13¢   |
| 1980              | 66    | 20,637               | 544,524              | 19,224,053             | 16,645,273              | 2,578,780              | 17,169,000                        | 15¢   |
| 1981              | 71    | 20,836               | 738,143              | 19,714,919             | 15,617,140              | 4,097,779              | 15,611,000                        | 26¢   |
| 1982              | 72    | 20,885               | 678,049              | 7,188,343              | 3,611,400               | 3,576,943              | 18,111,000                        | 20¢   |
| 1983              | 74    | 20,564 <sup>6</sup>  | 668,597 <sup>3</sup> | 8,545,395              | 4,627,714               | 3,917,681              | 17,246,000 <sup>4</sup>           | 23¢   |
| 1984              | 74    | 24,751               | 775,854              | 5,416,863              | 1,791,251               | 3,625,612              | 19,406,000                        | 19¢   |
| 1985              | 74    | 24,799               | 849,199              | 6,217,325              | 2,352,117               | 3,865,208              | 19,908,000                        | 19¢   |
| 1986              | 74    | 24,865               | 1,104,380            | 9,630,691 <sup>5</sup> | 5,442,717               | 4,187,974 <sup>5</sup> | 19,680,000                        | 21¢ <sup>5</sup>                            |
| 1987              | 76    | 24,909               | 1,178,694            | 7,952,859              | 3,423,597               | 4,529,262              | 20,068,007                        | 23¢   |
| 1988              | 76    | 24,853 <sup>7</sup>  | 1,202,420            | 6,441,265              | 1,403,632               | 5,037,633              | 18,488,037                        | 27¢   |
| 1989              | 77    | 24,877               | 1,251,033            | 21,545,292             | 15,890,400 <sup>8</sup> | 5,654,892              | 17,269,796                        | 33¢   |
| 1990              | 77    | 24,857               | 1,288,403            | 12,297,337             | 4,993,162               | 7,304,175              | 19,726,959                        | 35¢   |

NA - Not Available

<sup>1</sup>Year ended June 30

<sup>2</sup>Parks for which boundaries are not yet established are not included prior to June 30, 1970.

<sup>3</sup>\$10,000 estimated loss of revenue due to Hurricane Iwa damage.

<sup>4</sup>Parks partially closed for 2 month period on Oahu and Kauai due to Hurricane Iwa damage.

<sup>5</sup>To correct error. \$4,629,565 reported previously should be \$4,187,974. The total changes to \$9,630,691.

Operating cost per visit changes to 21¢.

<sup>6</sup>Major portion of decrease due to withdrawal of 295 acres from Kokee and transferred to Natural Area Reserves System by E.O. 3087 dated 11/2/81.

<sup>7</sup>Decrease due to corrections and refinement of park acreage data.

<sup>8</sup>Increase due to \$12.1 million spent to acquire 21.4 acres for addition to Makena State Park, Maui.

<sup>9</sup>Operating Cost Per Visit = Operating Expenditures divided by Estimated Recreation Visits.



## State Park and Historic Site Revenues

| Income Source   | Amount             |
|---|--------------------|
| Rentals, recreation residence lots (Kokee and Waimea Canyon State Parks)  | \$319,027          |
| Rentals, vacation cabins and lodgings, State operated (all parks)   | 170,253            |
| Lease of concessions (Kokee and Wailua River State Parks, Kauai)  | 193,253            |
| Mooring fees (Wailua River State Park Marina, Kauai)  | 15,137             |
| Landing Fees (Na Pali Coast State Park, Kauai) <sup>1</sup>   | 58,676             |
| Sale of water (Kokee State Park)  | 4,716              |
| Admission fees (Iolani Palace)  | 246,174            |
| Commissions & sales, misc., all islands (firewood, timber, public phones, filming, photography, other) <sup>2</sup> | 4,795              |
| Sale of publications  | 0                  |
| Transportation services (Wailua River State Park Marina, Kauai)   | 276,371            |
| Rentals, other recreation areas (Old Kona Airport State Recreation Area and Heeie State Park)                       | 0                  |
| <b>TOTAL</b>  | <b>\$1,288,403</b> |

<sup>1</sup>All income from Zodiac boat landings.

<sup>2</sup>State discontinued charging rental fees for filming and commercial photography on state lands as of July 1, 1988. (Average annual revenue past 5 years was \$25,000.)

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## State Park Revenues and Expenditures

| Island                 | Revenues           | Expenditures        |                         |                                | Operating<br>Cost Per<br>Visit <sup>4</sup> |
|------------------------|--------------------|---------------------|-------------------------|--------------------------------|---|
|                        |                    | Total               | Capital<br>Improvements | Operating                      |   |
| Hawaii                 | \$ 95,106          | \$ 2,565,334        | \$1,305,073             | \$1,259,631 <sup>4</sup>       | 27¢   |
| Kauai                  | 861,166            | 1,167,046           | 437,225                 | 729,821                        | 8¢  |
| Maui                   | 82,052             | 1,274,272           | 610,798                 | 663,474                        | 18¢   |
| Molokai                | —                  | 348,129             | 9,363                   | 338,766 <sup>4</sup>           | 48¢   |
| Oahu <sup>1</sup>      | 250,079            | 6,536,474           | 2,533,769               | 4,002,705                      | \$1.45                                      |
|                        | —                  | 342,343f            | 32,565f                 | 309,778f                       | —   |
| Statewide <sup>2</sup> | —                  | 53,067              | 53,067                  | —                              | —   |
|                        | —                  | 10,672f             | 10,672f                 | —                              | —   |
| <b>TOTAL</b>           | <b>\$1,288,403</b> | <b>\$11,944,322</b> | <b>\$4,949,925</b>      | <b>\$6,994,397<sup>4</sup></b> | <b>35¢</b>                                  |
|                        | —                  | 353,015f            | 43,237f                 | 309,778f                       | —   |

## State Park Revenues and Expenditures by Program

| Program  | Revenues           | Expenditures        |                         |                        | Operating<br>Cost Per<br>Visit <sup>4</sup> |
|--|--------------------|---------------------|-------------------------|------------------------|---|
|  |                    | Total               | Capital<br>Improvements | Operating              |   |
| Parks Recreation <sup>3</sup>                        | 1,288,403          | 11,049,919          | 4,896,858               | 6,153,061 <sup>4</sup> | 29¢   |
|  | —                  | 32,565f             | 32,565f                 | —                      | —   |
| General Administration for<br>Culture and Recreation | —                  | 894,403             | 53,067                  | 841,336 <sup>1</sup>   | —   |
|  | —                  | 320,450f            | 10,672f                 | 309,778 <sup>1</sup>   | —   |
| <b>TOTAL</b>   | <b>\$1,288,403</b> | <b>\$11,944,322</b> | <b>\$4,949,925</b>      | <b>\$6,994,397</b>     | <b>—</b>                                    |
|  | —                  | 353,015f            | 43,237f                 | 309,778f               | —   |

fExpenditure from federal grant funds.

<sup>1</sup>Includes Honolulu Administration Office.

<sup>2</sup>Projects of general statewide significance.

<sup>3</sup>As of FY 1987-88, Historical & Archaeological Places Program combined with Parks Recreation Program.

<sup>4</sup>Includes Grant-In-Aid operating funds to non-state park areas Hale Halawia o Holualoa, Kona (\$100,000) and R.W. Meyer Sugar Mill, Molokai (\$300,000).

These amounts not used to derive the operating cost per visit.



# Capital Improvement Expenditures<sup>1</sup>

| Project                   | Description  | Acquisition | Research and Planning | Design | Construction | Total   |
|---------------------------|--|-------------|-----------------------|--------|--------------|---------|
| (in thousands of dollars) |  |             |                       |        |              |         |
| <b>PARKS RECREATION</b>   |  |             |                       |        |              |         |
| <b>Hawaii</b>             |  |             |                       |        |              |         |
| F-35                      | Akaka Falls State Park <sup>2</sup>  | —           | —                     | 2.0    | —            | 2.0     |
| F-75                      | Hapuna Beach State Rec Area <sup>2</sup>   | 1,003.0     | —                     | 25.1   | —            | 1,028.1 |
| F-53                      | Kalopa State Recreation Area <sup>2</sup>  | —           | —                     | 6.3    | 4.8          | 11.1    |
| H-18                      | Kamoa Point State Historical Complex <sup>2</sup><br>(Keolonahihi State His. Park) | —           | 7.6                   | 4.8    | 77.5         | 89.9    |
| F-14                      | Kealakekua Bay State Historical Park <sup>2</sup>                                  | —           | 5.4                   | 4.2    | 8.2          | 17.8    |
| F-79                      | Kiholo Bay <sup>4</sup>  | —           | .1                    | —      | —            | .1      |
| F-13                      | Lapakahi State Historical Park <sup>2</sup>  | —           | —                     | 13.6   | 2.4          | 16.0    |
| F-34                      | Lava Tree State Monument <sup>2</sup>  | —           | .9                    | 8.3    | 4.6          | 13.8    |
| F-69                      | Manuka State Wayside <sup>2</sup>  | —           | 2.3                   | 3.3    | —            | 5.6     |
| F-64                      | Mauna Kea State Rec Area <sup>2</sup>  | —           | —                     | 5.0    | 39.4         | 44.4    |
| H-47                      | Old Kona Airport State Recreation Area <sup>2</sup>                                | —           | 4.3                   | 3.2    | 23.0         | 30.5    |
| F-63                      | State Natural Recreational and<br>Historical Park-S.Kona-Ka'u <sup>4</sup>         | —           | 2.3                   | —      | —            | 2.3     |
| F-58                      | Wailoa River State Recreation Area <sup>2</sup>                                    | —           | —                     | 5.6    | 21.3         | 26.9    |
| F-33                      | Wailuku River State Park <sup>2</sup>  | —           | 2.1                   | 13.5   | 1.6          | 17.2    |
| <b>Maui</b>               |  |             |                       |        |              |         |
| F-21                      | Halekii-Pihana Heiaus State Monument <sup>2</sup>                                  | 1.0         | —                     | —      | 11.7         | 12.7    |
| F-59                      | Hana Road State Waysides <sup>2</sup>  | —           | —                     | —      | 12.8         | 12.8    |
| F-32                      | Iao Valley State Monument <sup>2</sup>   | —           | —                     | 2.1    | 18.2         | 20.3    |
| F-81                      | Launiupoko State Wayside <sup>2</sup>  | —           | —                     | 2.2    | —            | 2.2     |
| F-73                      | Makena State Park <sup>3</sup>   | .8          | —                     | .6     | 23.7         | 25.1    |
| F-55                      | Waianapanapa State Park <sup>2</sup>   | 501.1       | —                     | 5.3    | 31.3         | 537.7   |
| <b>Oahu</b>               |  |             |                       |        |              |         |
| F-83                      | Aiea Bay State Recr. Area <sup>2</sup>   | —           | 12.5                  | 4.9    | —            | 17.4    |
| F-85                      | Aina Moana State Rec Area <sup>2</sup>   | —           | —                     | 18.4   | —            | 18.4    |
| F-37                      | Diamond Head State Monument <sup>2</sup>   | 3.0         | —                     | 39.2   | 4.8          | 47.0    |
| F-27                      | Heeia State Park <sup>2</sup>  | —           | .1                    | —      | 4.2          | 4.3     |
|                           |  | .3f         | —                     | —      | —            | .3f     |
| F-97                      | Honolulu Stadium State Rec Area <sup>2</sup>                                       | —           | —                     | —      | 1.4          | 1.4     |
| F-11                      | Iolani Palace State Monument <sup>2</sup>  | —           | —                     | 2.3    | 1.2          | 3.5     |
| F-72                      | Kaena Point State Park <sup>2</sup>  | 97.8        | —                     | 9.3    | 53.8         | 160.9   |
| F-57                      | Kahana Valley State Park <sup>2</sup>  | —           | 9.2                   | 16.0   | —            | 25.3    |
| F-88                      | Kaiaka State Rec Area <sup>2</sup>   | —           | —                     | 1.1    | 40.5         | 41.6    |
| H-73                      | Kakaako Waterfront State Recreation Area <sup>2</sup>                              | —           | —                     | 9.6    | —            | 9.6     |
| F-48                      | Keaiwa Heiau State Rec Area <sup>2</sup>   | —           | —                     | 8.5    | 9.5          | 18.0    |
| F-29                      | Kukaniloko Birthsite <sup>2</sup>  | 101.0       | —                     | —      | .4           | 101.4   |
| F40                       | Laie Point State Park <sup>3</sup>   | 474.5       | —                     | —      | —            | 474.5   |
| H-68                      | Makapuu Point State Wayside <sup>3</sup>   | —           | 1.3                   | 17.6   | —            | 18.9    |
| H-70                      | Malaekahana State Recrea. Area <sup>2</sup>  | —           | 5.5                   | 6.2    | 3.0          | 14.7    |
|                           |  | .6f         | —                     | —      | 18.7f        | 19.3f   |
| F-30                      | Nuuanu Pali State Wayside <sup>2</sup>   | —           | —                     | 12.0   | —            | 12.0    |
| F-23                      | Puu o Mahuka Heiau State Monument <sup>2</sup>                                     | —           | 8.7                   | 4.2    | —            | 12.9    |
| F-51                      | Puu Ualakaa State Wayside <sup>2</sup>   | —           | —                     | 4.1    | .2           | 4.3     |
| F-15                      | Royal Mausoleum State Monument <sup>2</sup>  | —           | —                     | 3.8    | 1.8          | 5.6     |
| H-45                      | Sacred Falls State Park <sup>2</sup>   | 254.8       | —                     | —      | —            | 254.8   |
| F-70                      | Sand Island State Recr. Area <sup>2</sup>  | —           | —                     | 16.2   | 1,000.1      | 1,016.3 |
|                           |  | —           | 3.8f                  | —      | 9.1f         | 12.9f   |
| F-18                      | State Capitol Grounds <sup>2</sup>   | —           | —                     | 7.1    | 28.3         | 35.4    |
| F-24                      | Ulu Po Heiau State Monument <sup>2 5</sup>   | 33.8        | .6                    | —      | —            | 34.4    |
| F-61                      | Waahila Ridge State Rec Area <sup>2</sup>  | —           | —                     | 1.8    | 6.1          | 7.9     |
| F-50                      | Wahiawa Freshwater St Rec Area <sup>2</sup>  | —           | —                     | 1.6    | 4.7          | 6.3     |
| F-71                      | Waimanalo Bay State Recr. Area <sup>2</sup>  | —           | —                     | 4.4    | 6.2          | 10.6    |
| H-83                      | Waikiki War Memorial <sup>13</sup>   | —           | 176.0                 | —      | —            | 176.0   |
| F-25                      | Washington Place <sup>2</sup>  | —           | —                     | .4     | —            | .4      |

# Capital Improvement Expenditures (cont.)

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| Project                   | Description   | Acquisition    | Research and Planning | Design     | Construction     | Total            |
|---------------------------|---|----------------|-----------------------|------------|------------------|------------------|
| (in thousands of dollars) |   |                |                       |            |                  |                  |
| <b>Kauai</b>              |   |                |                       |            |                  |                  |
| F-74                      | Haena State Park <sup>2</sup>                             | —              | 1.3                   | 1.0        | 13.9             | 16.2             |
| H-80                      | Hanalei Pier <sup>3</sup>                                 | —              | —                     | 7.8        | —                | 7.8              |
| F-46                      | Kokee State Park <sup>2</sup>                             | —              | —                     | 22.4       | 270.2            | 292.6            |
| F-80                      | Na Pali Coast State Park <sup>2</sup>                     | —              | 8.5                   | .7         | 8.4              | 17.6             |
| F-78                      | Polihale State Park <sup>2</sup>                          | —              | —                     | —          | 3.4              | 3.4              |
| F-12                      | Russian Fort Elizabeth State Historical Park <sup>2</sup> | —              | .1                    | 2.0        | 27.2             | 29.3             |
| F-54                      | Wailua River State Park <sup>2</sup>                      | —              | 6.4                   | 23.7       | 40.2             | 70.3             |
| <b>Molokai</b>            |   |                |                       |            |                  |                  |
| H-28                      | Meyer Sugar Mill <sup>2</sup>                             | —              | —                     | —          | 3.1              | 3.1              |
| F-60                      | Palaaau State Park <sup>2</sup>                           | —              | —                     | 6.3        | —                | 6.3              |
| TOTAL                     | PARKS RECREATION  | 2,470.8<br>.9f | 255.2<br>3.8f         | 355.8<br>— | 1,815.1<br>27.8f | 4,896.9<br>32.5f |

## GENERAL ADMINISTRATION FOR CULTURE AND RECREATION

|  |   |                |                |            |                  |                  |
|--|---|----------------|----------------|------------|------------------|------------------|
| <b>Statewide</b>                       |   |                |                |            |                  |                  |
| F-02                                   | Statewide Interpretive Program              | —              | 6.1            | —          | —                | 6.1              |
| F-05                                   | State Comprehensive Outdoor Recreation Plan | —              | 46.9           | —          | —                | 46.9             |
|  | Recreation Plan                             | —              | 10.7f          | —          | —                | 10.7f            |
| TOTAL GENERAL ADMINISTRATION           |   | —              | 53.0           | —          | —                | 53.0             |
| FOR CULTURE AND RECREATION             |   | —              | 10.7f          | —          | —                | 10.7f            |
| TOTAL ALL STATE PARK AND HISTORIC SITE |   |                |                |            |                  |                  |
| AREA EXPENDITURES                      |   | 2,470.8<br>.9f | 308.2<br>14.5f | 355.8<br>— | 1,815.1<br>27.8f | 4,949.9<br>43.2f |

fExpenditure from federal funds.

<sup>1</sup>CAPITAL IMPROVEMENT EXPENDITURES include State and Federal funds.

<sup>2</sup>Existing - An operating park, historic site, monument or other areas.

<sup>3</sup>Planned - For a park, historic site, monument or other area - lands acquired or acquisition underway; initial development, restoration or preservation underway; other projects underway.

<sup>4</sup>Possible - Future park, historic site, monument, or other area under consideration.

<sup>5</sup>Ulu Po Heiau State Monument may include Expenditures for Kawainui Marsh.



# DIVISION OF WATER & LAND DEVELOPMENT

## *Fiscal Year 1989-90*

### **Basic Data Collection and Resource Assessment**

The collection and dissemination of climatic and hydrologic data continues to be an ongoing primary activity. Under the State Water Code, the collection and dissemination of water development data, consisting of information on well and stream diversion characteristics and water use, has been made an additional primary activity.

Current records of climate-related data, including rainfall, temperature, evaporation, wind, humidity, and solar radiation, are maintained and disseminated through the Division's Water Resources Information Center.

A cooperative program with the U.S. Geological Survey (USGS) continued to provide basic data on streamflows, ground water withdrawals, and water quality. Streamflow data were collected regularly from 50 measuring stations; low flows were measured periodically on six streams; flood discharges were obtained from 62 crest-stage gages; water levels, specific conductance, and chloride concentrations of ground water were measured at 187 wells; field measurements of specific conductance, temperature and pH of stream water were made at scheduled intervals; and rainfall data were collected regularly at 30 sites in mountain watershed areas. Data collected are published in the annual USGS report series, "Water Resources Data for Hawaii and Other Pacific Areas - Volume 1, Hawaii".

Hydrological investigations are also conducted under the cooperative program with the USGS to appraise the State's water resources and assess their characteristics and availability. Investigations were carried out to determine median discharges for the instream use protection program and to monitor ground-water levels in the Pearl Harbor Aquifer. During 1990, a program was initiated to field inspect and verify all water sources and uses throughout the state as were declared by 2,600 firms and individuals. This task is expected to take several years, and is one element of the Division's expanded data collection role under the State Water Code. A second major task of the Division under the Code is to receive, compile, and analyze water use reports submitted monthly by all water users statewide.

### **Exploratory Well Drilling**

The Exploratory Well Drilling Program, inaugurated in 1961, has played a major role in the discovery of new ground-water sources throughout the State. During the past 29 years, over 100 wells have been drilled, of which 70 produced fresh water and 22 produced brackish water. Most of the wells have been turned over to the county water departments for their use in

providing municipal water. A few of the wells will be turned over to the Department of Hawaiian Home Lands for its use. During Fiscal Year 1990, two exploratory wells on Oahu, Pia Well in Niu Valley and Waianae II in Waianae, were successfully constructed and tested. Four wells on the Big Island are presently under construction, at Honokaa, Kau, Kawaihae, and North Kona (Kalaoa). Planning and design activities were completed for three exploratory wells at Anahola, Kauai; Keei, Hawaii; and Wahikuli, Maui. Planning and design activities were initiated for five wells at Hualalai and Puukapu, Hawaii; Wahikuli, Maui; and Kawaihapai and Mokuleia, Oahu.

### **Flood Control**

Under its flood control program, the Division coordinates government actions for flood prevention and control, dam safety inspection, and stream maintenance.

The Division administers flood plain management activities in connection with the Federal Emergency Management Agency's National Flood Insurance Program. Activities included community assistance visits to the four counties of the State, participation in the regional State coordinator's meetings on the Mainland, holding flood loss-reduction workshops, public informational displays on flood retrofitting, and general technical assistance to counties and individuals.

Under its newly instituted dam safety program, the Division adopted administrative rules for program implementation, conducted dam safety workshops in each county, updated the Hawaii National Dam Inventory, and processed applications for the construction of dams.

The Division continued its investigation of flood complaints and pursued the complaints to their resolution.

In addition, the Division participated in workshops addressing mitigation measures for the Big Island's Kalapana lava flow disaster. Results of the workshops will be used to formulate recommendations for the future regulation of land developments on the island.

### **State-Funded Flood Control Projects**

#### **Oahu**

Kahawai Stream Cleaning Project - \$88,920,

Contract Bid

Waimanalo Stream Cleaning Project - \$110,000,

Contract Bid

Kahawai Stream Improvement Project - \$50,000,

Planning

Kaukonahua Stream Improvement Project - \$50,000,

Planning

Sacred Falls Flood Warning System - \$116,400,

Contract Bid

Ala Wai Canal Cleanup - \$700,000, Planning

#### **Hawaii**

Waipio Valley Emergency Work - \$450,000,

Road Restoration; \$250,000, Stream Restoration

Alenaio Stream Flood Control Project - \$4.2 Million

State Funds to County for 50% Share of

Federal Project



## **Maui**

Kahakuloa Stream Improvements - \$300,000, Planning, Design and Construction

Kanaha Pond Flood Control Channel - \$550,000, Planning and Design

## **Kauai**

Hanalei River Improvements - \$100,000, Planning

## **Statewide**

Drainageways Flood Hazard Assessment - \$65,000, Planning

State Storm Drainage Standard - Preliminary Planning

## **Regulation of**

### **Geothermal Resource Development**

The Division continues to regulate geothermal development activities within the four geothermal resource subzones designated by the Board of Land and Natural Resources. Regular field inspections were conducted at all geothermal sites to ensure compliance with rules governing the leasing and drilling of geothermal resources.

The commercial exploration and development activities of Puna Geothermal Venture and True/Mid-Pacific Geothermal Venture, as well as the University of Hawaii's Scientific Observation Hole (SOH) Project, were monitored daily to properly regulate well drilling activities and enforce permit conditions.

Puna Geothermal Venture, under approvals received from the Board of Land and Natural Resources and the County of Hawaii, initiated the construction of a 25 MW geothermal power plant and well field within the Kapoho Geothermal Resource Subzone. True/Mid-Pacific Geothermal Venture, under a Conservation District Use Permit issued to Campbell Estate, began drilling an exploratory well within the Kilauea Middle East Rift Subzone.

The University's SOH Project completed one of four planned observation holes, drilled to a depth of over 6,500 feet. Core samples and tests are expected to provide valuable downhole information on the underlying geothermal resources.

### **Permitting of Geothermal and Cable System Development**

The Geothermal/Cable Permit Center, established in 1988, continues to provide assistance and permit information to interested parties. A master application form and an interagency processing and review procedure were developed.

The Permit Center also continued its monitoring of existing geothermal projects to gather additional data and experience and in preparation for coordinating and regulating the proposed geothermal/undersea cable project.

### **Instream Use Protection Program**

Protection of Hawaii's instream uses, such as the maintenance of aquatic species habitat, stream ecosystems, and stream-related aesthetic, recreational and cultural values, began in 1982 with the passage and implementation of the Hawaii Instream Use Protection Act, a pilot program that focused on Wind-

ward Oahu stream resources. In 1987, the Hawaii Water Code extended the provisions of the earlier law to all streams in the state. Resource protection is now accomplished by the regulation of stream channel alterations and the enforcement of instream flow standards.

The regulation of stream diversions and channel alterations is extremely important because these actions can severely stress aquatic species and destroy stream habitat values, as well as compromise stream-related aesthetic, recreational, and cultural values. Essential projects that affect streams must be designed to ensure that instream values are protected.

During 1989-90, the program staff processed 8 petitions to amend interim instream flow standards, 8 applications for stream diversion works, 27 applications for stream channel alterations, and issued 11 emergency authorizations. The staff also investigated 7 complaints and brought 1 violation case to the Commission on Water Resource Management for resolution. In addition, program staff routinely monitored work authorized by permits to ensure their compliance with permit conditions.

Projects regulated under the instream use protection program included hydropower developments, agricultural diversions, drainage improvements for flood control, revetments for erosion control, utility installations in streambeds, maintenance dredging, and installation of maintenance ramps, bridges, and drainage outlet structures.

Knowledge of Hawaii's streams and stream resources continues to grow to meet the continuing demand for information that will lead to better protection and management. Research support for the Division of Aquatic Resources is a long-term primary goal because the protection of aquatic species habitat is often the driving concern in regulating activities within Hawaii's streams.

Completion of the Hawaii Stream Assessment, a joint National Park Service-Commission on Water Resource Management project to inventory and assess Hawaii's streams and stream-related resources, is scheduled for late 1990. This assessment, Hawaii's first, provides a comprehensive inventory database, an appraisal of streams and rivers for possible inclusion in a wild and scenic rivers system, and guidelines for future actions to maintain, enhance, manage, and preserve Hawaii's stream resources.

### **Regulation of Water Development and Use**

The Commission on Water Resource Management began regulating well construction activities statewide, starting in September 1988, through the issuance of well construction and pump installation permits. Prior to September 1988, the Division processed well drilling permits statewide, except for Windward Oahu and the Waianae District, where drilling activities were regulated by the Honolulu Board of Water Supply. The Division processed a total of 85 well construction permits and 10 pump installation permits during the past year. Well construction permits and pump installation permits issued by the Commission on Water Resource Management during Fiscal Year 1990 are listed below.



## Well Construction Permits

1. Well 2648-01, irrigation, Heeia, Oahu.
2. Well 0705-05, irrigation, Naiwa, Molokai.
3. Well 5435-05, industrial, Elelee, Kauai.
4. Well 4258-11, irrigation, Kahuku, Oahu.
5. Well 1904-02, irrigation, Makakilo, Oahu.
6. Well 0443-01, municipal, Kau, Hawaii.
7. Well 5452-02, irrigation, Waikoloa, Hawaii.
8. Well 4757-01, irrigation, Kona, Hawaii.
9. Well 5832-03, irrigation, domestic, Kahakuloa, Maui.
10. Well 4701-02, domestic, Hana, Maui.
11. Wells 4458-01,02, municipal, Kona, Hawaii.
12. Well 4658-01, domestic, Kona, Hawaii.
13. Wells 4759-01,02, irrigation, Kona, Hawaii.
14. Well 3506-07, sealing, Waialua, Oahu.
15. Well 4100-05, municipal, Kahuku, Oahu.
16. Well 1851-30, sealing, Honolulu, Oahu.
17. Well 1851-20, sealing, Honolulu, Oahu.
18. Wells 1900-17-20, 1901-03, golf course irrigation, Ewa, Oahu.
19. Well 1812-04, irrigation, Waianae, Oahu.
20. Well 6146-01, domestic, S. Kohala, Hawaii.
21. Well 2308-03, irrigation, Lualualei, Oahu.
22. Well 1019-04, municipal, irrigation, Molokaa, Kauai.
23. Well 47517-02, irrigation, Kona, Hawaii.
24. Well 3357-04, irrigation, Kona, Hawaii.
25. Wells 1750-06M-10M, monitor test holes, Honolulu, Oahu.
26. Well 4157-08, irrigation, Kahuku, Oahu.
27. Wells 1953-01M-03M, monitor test holes, Kapalama, Oahu.
28. Well 2358-52, domestic, Waiawa, Oahu.
29. Well 2447-02, irrigation, Kaneohe, Oahu.
30. Well 5514-01, domestic, Hoolawa, Maui.
31. Well 2146-03, municipal, Maunawili, Oahu.
32. Wells 6047-01,02, golf course irrigation, South Kohala, Hawaii.
33. Well 4527-08, irrigation, Kihei, Maui.
34. Well 2107-01M, monitor test hole, Ewa, Oahu.
35. Wells 1806-14M-25M, oil recovery, Ewa Beach, Oahu.
36. Well 2006-16, monitor, Honouliuli, Oahu.
37. Well 1852-01, domestic, irrigation, Kona, Hawaii.
38. Well 4258-01, municipal, domestic, Kona, Hawaii.
39. Well 1851-26, sealing, Honolulu, Hawaii.
40. Wells 0355-04, 0455-01-03, irrigation, Makolelau, Molokai.
41. Wells 1952-01M-03M, monitor test holes, Honolulu, Oahu.
42. Wells 2003-01,02, irrigation, Kapolei, Oahu.
43. Well 3453-11, domestic, Punaluu, Oahu.
44. Well 1850-28, other (Aquaculture), Honolulu, Oahu.
45. Well 1120-05, domestic, Molaa, Kauai.
46. Well 2007-02, monitor test hole, Honouliuli, Oahu.
47. Well 2250-02, municipal, Honolulu, Oahu.
48. Well 3081-01, observation, Kapoho, Hawaii.
49. Well 5824-05, municipal, Puhi, Kauai.
50. Well 1120-06, domestic, Molokaa, Kauai.
51. Well 6145-01, irrigation, South Kohala, Hawaii.

52. Wells 4552-01, 4553-01, irrigation, Lanai.
53. Well 5553-02, irrigation, South Kohala, Hawaii.
54. Well 2347-10, irrigation, Kaneohe, Oahu.
55. Well 1849-01M, monitor, Honolulu, Oahu.
56. Well 2007-03, monitor, Honouliuli, Oahu.
57. Wells 1750-11M-17M, monitor, Honolulu, Oahu.
58. Well 4905-01, domestic, irrigation, Onomea, Hawaii.
59. Wells 1952-04M-08M, monitor test holes, Honolulu, Oahu.
60. Well 2883-07, monitor, Kapoho, Hawaii.
61. Well 4326-07, irrigation, Kamaole, Maui.
62. Well 1840-08, irrigation, Hawaii Kai, Oahu.
63. Well 1120-07, domestic, Molokaa, Kauai.
64. Wells 1805-26M-38M, monitor test holes, Ewa Beach, Oahu.
65. Wells 3605-01M-04M, monitor test holes, Kawai-  
loa, Oahu.
66. Wells 2301-01M-04M, monitor test holes, Wai-  
pahu, Oahu.
67. Wells 1953-04M-15M, 28M-30M, monitor test  
holes, Kapalama, Oahu.
68. Wells 3855-01M,02M, observation, Laie, Oahu.
69. Wells 1642-01M-05M, monitor test holes, Hono-  
lulu, Oahu.
70. Wells 1851-12M-15M, monitor test holes, Hono-  
lulu, Oahu.
71. Wells 5326-01M-03M, monitor test holes, Kahu-  
lui, Maui.
72. Wells 2143-05M, 2243-01M, monitor test holes,  
Waimanalo, Oahu.
73. Wells 2357-17M-19M, monitor test holes, Hono-  
lulu, Oahu.

## Pump Installation Permits

1. Wells 2145-01,02,04 and 2045-06, Kaneohe, Oahu.
2. Well 2911-04, Waianae, Oahu.
3. Well 6048-01, South Kohala, Hawaii.
4. Well 6049-05, South Kohala, Hawaii.
5. Well 2909-02, Waianae, Oahu.
6. Well 2909-03, Waianae, Oahu.
7. Well 3452-01, Punaluu, Oahu.

## Water Use Permits

In the Pearl Harbor, Honolulu and Waialua Water Management Areas on Oahu, regulatory activities also included the processing of permit applications for the development and use of ground water. Generally, a water use permit application is reviewed by staff and then sent to the State Department of Health and to the mayor and water board of the appropriate county for review. In addition, a public notice of the application is published in the news media and sent to interested parties. The public notice procedure gives interested parties the opportunity to voice their support of or objections to any proposed development or use of ground water. The Commission acts on an application within 90 calendar days if there are no objections, or within 180 calendar days of an application requiring a hearing due to valid objections.

Water use permits acted upon by the Commission during Fiscal Year 1990 are listed below:



1. Honouliuli Wells 3 & 4, Honouliuli Gulch, Oahu.
2. Mililani Wells I, II, & III, Mililani, Oahu.
3. Royal Kunia Well, Kunia, Oahu.
4. Schofield Shaft, Schofield Barracks, Oahu.
5. Dairy Company Well, Kipapa Gulch, Oahu.
6. Honouliuli Well No. 5, Honouliuli Gulch, Oahu.
7. Palm Villa Irrigation Well, Ewa, Oahu.
8. Wailupe Well No. 1, Wailupe, Oahu.
9. AES Barbers Point Wells, Campbell Industrial Park, Oahu.
10. Honouliuli WWTP Caprock Well, Ewa, Oahu.
11. Makakilo Golf Course Well, Makakilo, Oahu.
12. Kalaeloa Partners Salt Water Wells, Campbell Industrial Park, Oahu.
13. Honouliuli Well 6, Honouliuli Gulch, Oahu.

### Petitions to Designate Water Management Areas

In December 1988, the Commission received a written petition to designate Windward Oahu as a Water Management Area for the purpose of preserving regional ground-water and surface-water resources. In July 1989, the Commission held public hearings on the proposed designation. In early March 1990, the Commission completed its "Findings of Fact," and circulated it for review and comments. The Commission is scheduled to take action on the petition in December 1990.

In March 1989, the Commission received a written petition to designate the Island of Lanai as a Water Management Area. In March 1990, after public hearings, the Commission decided not to designate the Island of Lanai as a Water Management Area because none of the criteria for designation contained in the State Water Code were met. In place of designation, the following five actions were approved to ensure the protection of Lanai's water resources: 1) require Lanai Company to report monthly pumpage, water level, chloride, and temperature data from all ground

water sources; 2) require Lanai Company to monitor the hydrologic situation; 3) require Lanai Company to formulate a water shortage plan for approval by the Commission by January 1991; 4) hold annual public informational meetings on Lanai in the month of October to furnish and receive information regarding the island's water conditions; 5) authorize the Chairperson to reinstitute designation proceedings and re-evaluations if and when: a) the static water level of any production well falls below one-half its original elevation above mean sea level, or b) any non-potable alternative source of supply contained in Lanai Company's water development plan fails to materialize and full land development continues as scheduled, or c) items 1, 2, and 3 are not fulfilled by Lanai Company, or d) actual water use exceeds 4.3 million gallons per day.

In March 1990, the Commission received a written petition to designate the entire Island of Molokai as a Water Management Area. The Commission is scheduled to hold a public hearing on Molokai in November 1990.

### Engineering Services Program

Under its engineering services program, the Division implements various water and land development projects. Projects administered under this program are guided by the goals, objectives, and policies of the Hawaii State Plan.

The Division also provides engineering services to other divisions within the Department and to other State agencies, particularly the Department of Agriculture. Responsibilities in this area include the planning, design, and construction of capital improvements.

During the year, engineering plans and specifications were completed, and bids were opened, for 67 projects. The construction of these projects will be initiated in the coming fiscal year. Sixteen construction projects earlier initiated were completed during the current year.

### On-Going Design Projects 09-Nov-90

| Job No.                           | Project Name                           | Approx.<br>Completion<br>Date |
|-----------------------------------|--|-------------------------------|
| <b>Island of Hawaii</b>           |  |                               |
| DIV. OF WATER RESOURCE MANAGEMENT |  |                               |
| 22-HW-J                           | Hilo-Pohakuloa Waterline               |                               |
| 15-HW-B                           | Kawaihae Well Development              | 3/91                          |
| 62-HW-A                           | Upper Hamakua Ditch - Phase III        | 7/91                          |
| 2-HW-K                            | Puu Pulehu Reservoir Imp., Phase II    | 12/91                         |
| 8-HW-E                            | Keahole Reservoir & Booster Pump       |                               |
| 8-HW-F                            | Kainalu Water Development              |                               |
| 48-HW-G                           | Kohala Water System                    |                               |
| 17-HW-L                           | Hualalai Exploratory Well No.          | 6/91                          |
| DIV. OF STATE PARKS               |  |                               |
| 89-HP-S1                          | Hapuna Beach St. Rec Area, Golf Course |                               |
| 89-HP-J1                          | Lapakahi St. Hist. Complex, Water Sys. | 4/91                          |
| 90-HP-C                           | Manuka Wayside Park, Toilet            | 6/91                          |
| 80-HP-H6                          | Wailoa River, Covered Walkway          | 2/91                          |
| DIV. OF FORESTRY & WILDLIFE       |  |                               |
| 63-HF-C1                          | Kamuela Support Facility               | 3/91                          |



## On-Going Design Projects 09-Nov-90 (cont.)

|                          |  | Approx.<br>Completion<br>Date |
|--------------------------|--|-------------------------------|
| Job No.                  | Project Name                           |                               |
| <b>Island of Kauai</b>   |  |                               |
|                          | DIV. OF STATE PARKS                    |                               |
| 93-KP-B                  | Kokee St. Park; Septic & Leach Field   | 8/91                          |
| 95-KP-A1                 | Kee Beach Parking Lot, Haena St. Pk.   | 12/91                         |
|                          | DIV. OF FORESTRY & WILDLIFE            |                               |
| 64-KF-E                  | Forest Trails, Parking Area & Drwy.    | 5/91                          |
| <b>Island of Maui</b>    |  |                               |
|                          | DIV. OF WATER RESOURCE MANAGEMENT      |                               |
| 38-MF-B                  | Kahului Flood Control Project          | 4/91                          |
| 35-MW-L1                 | Kula Water Sys., Kahakapao Res. Ph. II | 5/91                          |
|                          | DIV. OF STATE PARKS                    |                               |
| 98-MP-F1                 | Makena La Perouse St. Pk., Access Rd.  | 6/91                          |
| 97-MP-G                  | Papalaua Wayside Well                  | 8/91                          |
|                          | DIV. OF FORESTRY & WILDLIFE            |                               |
| 62-MM-A5                 | Hawaii End. Spec. Fac., Phase III      | 11/91                         |
| 62-MF-C                  | Keanae Arboretum, Rdwy. Area & Drwy.   | 10/91                         |
| 62-MF-A                  | Kanaha Pond Improvements               | 3/91                          |
| <b>Island of Molokai</b> |  |                               |
|                          | DIV. OF WATER RESOURCE MANAGEMENT      |                               |
| 3-9W-H1                  | Kualapuu Reservoir Imp., Phase II      | 5/91                          |
| <b>Island of Oahu</b>    |  |                               |
|                          | DIV. OF WATER RESOURCE MANAGEMENT      |                               |
| 52-SW-A                  | Updating Standard Specs.               |                               |
| 5-OW-E                   | Waimanalo Irrig., Baseyard Bldg.       | 4/91                          |
| 5-OW-D                   | Aniani Nui Ridge Tunnel Improvement    | 4/91                          |
| 17-OW-D                  | Waialua Monitor Well                   | 6/91                          |
| 1-OW-B                   | Wastewater Eff. Recycling Proj.        |                               |
| 5-OW-G                   | Imp. to Maunawili Ditch Intake Struc.  | 8/91                          |
| 10-OW-D                  | Mokuleia Exploratory Well No.          | 7/91                          |
| 5-OW-F                   | WIS Access Road Improvements           | 6/91                          |
| 9-OF-H                   | Waianae Flood Control                  | 2/92                          |
|                          | DIV. OF STATE PARKS                    |                               |
| 85-OP-J                  | Heeia Park, Comfort Station            | 11/91                         |
| 84-OP-C1                 | Kaena Pt. SRA, Site Impvts.            | 10/91                         |
| 83-OP-E                  | Royal Mausoleum, Site Impvts.          | NA                            |
| 84-OP-J1                 | Wahiawa Freshwtr., Jogging/Bike Path   | 12/90                         |
| 80-OP-H1                 | Sacred Falls State Park Flash Flood    | 7/90                          |
| 85-OP-D1                 | Kahana Val. Pk., Improvements, Ph. II  | 7/91                          |
|                          | DIV. OF FORESTRY & WILDLIFE            |                               |
| 61-OF-A                  | DLNR Sand Island Baseyard              |                               |
|                          | DIV. OF LAND MANAGEMENT                |                               |
| 9-OF-M                   | Kahawai Stream Improvements            | 4/91                          |
| 31-OL-C                  | Waikiki Seawall Imp., Phase V          | 12/91                         |
| 9-OF-N                   | Kaukonahua Stream Improvements         | 6/91                          |

## Pending Design Projects

| Job No.      | Project   | Contractor                  | Contract<br>Amount | Contract<br>Start<br>Date | Contract<br>Completion<br>Date |
|--------------|---|-----------------------------|--------------------|---------------------------|--------------------------------|
| <b>Water</b> |   |                             |                    |                           |                                |
| 3-9W-H       | Improve. to Kualapuu Reservoir                          |                             |                    |                           |                                |
| 3-9W-J1      | Waikolu Wells Develop. Pump Control<br>& Conn. Pipeline |                             |                    |                           |                                |
| 3-9W-D1      | Waikolu Wells Development                               | Roscoe Moss Co.             | \$109,618.00       | 10/3/88                   |                                |
| 4-OW-30      | Pump & Controls for Waialae Nui Well (1747-03)          | Ralph S. Inouye Co.         | \$408,039.75       |                           |                                |
| 4-OW-3       | Waianae Well Development (Well No. 2801-03)             | Civil-Mechanical Contractor | \$401,057.00       |                           |                                |
| 4-OW-P       | Pump & Controls for Kuliouou Well                       | Ralph Inouye Co.            | \$875,116.50       | 12/12/88                  |                                |

# Pending Design Projects (cont.)

DIVISION OF  
WATER  
& LAND  
DEVELOPMENT

| Job No.            | Project  | Contractor                 | Contract Amount | Contract Start Date | Contract Completion Date |
|--------------------|--|----------------------------|-----------------|---------------------|--------------------------|
| 4-OW-2             | Kahana Tunnel Bulkhead, Waiahole Ditch Sys.                  |                            |                 |                     |                          |
| 4-OW-T             | Demonstration Desalting Plant, Campbell Ind. Pk.             | Kiewit Pacific. Co.        | \$5,722,511.00  | 11/14/88            |                          |
| 4-OW-I             | Waianae Exploratory Well No.2                                | Water Resources Int'l.     | \$359,740.00    | 1/29/90             |                          |
| 4-OW-U             | Waimanalo Irrigation Sys., Ph.I Delta Construction           | \$1,744,049.00             | 10/2/89         |                     |                          |
| 4-OW-C             | Kailua Reservoir Spillway, WIS                               | Delta Construction         | \$122,000.00    | 1/14/91             |                          |
| 5-OW-A             | W.I.S. Improv. Ph.2, Transmission & Distribution Pipeline    | Frank Coluccio Const.      | \$1,282,073.40  | 9/17/90             |                          |
| 5-OW-D1            | Furnish & Deliver Material of Waimanalo Irrig. Sys.          | Pacific Pipe & Industrial  | \$3,889.40      | 6/29/89             |                          |
| 10-OW-A            | Pia Exploratory Well No. A (1744-03) Oahu                    | Roscoe Moss Co.            | \$260,750.00    | 2/12/90             |                          |
| 17-OW-A            | Makakilo Expl. Wells   | Roscoe Moss Co.            | \$220,940.00    | 10/1/90             |                          |
| 17-MW-M            | Wahikuli Expl. Well NO. 5439-01                              |                            |                 |                     |                          |
| 35-MW-L            | Kula Water Sys. Improv.                                      |                            |                 |                     |                          |
|                    | Replacement of Transmiss. Main                               | Goodfellow Brothers        | \$5,412,608.00  | 8/2/89              |                          |
| 35-MW-L1           | Kula W. S. Improv. Ph.1m Mass Grading For Kahakapao Res.     | Haitsuka Brothers, Ltd.    | \$2,788,420.00  |                     |                          |
| 17-KW-C            | Anahola Well No. 0818-03                                     | Paul Frandsen & Assoc.     | \$294,405.00    | 7/30/90             |                          |
| 67-KW-B            | Improv. to E. Waioli Irrigation Sys.                         | Haitsuka Bro., Ltd.        | \$80,391.00     | 1/03/89             |                          |
| 2-HW-E             | Upper Hamakua Ditch Improv. (Alakahi & Koiawe Sect.)         | Haitsuka Bros., Ltd.       | \$1,925,550.00  | 3/30/89             |                          |
| 2-HW-F             | Puu Pulehu Reservoir Lining                                  | Jas W. Glover., Ltd.       | \$2,477,836.00  | 4/6/89              |                          |
| 8-HW-C             | Kalaoa Exploratory Well A (4358-01) Kalaoa N. Kona           | Water Resources Internat'l | \$1,000,135.00  | 2/20/90             |                          |
| 15-HW-A            | Kawaihae Explor. Well No. 6549-3 S. Kohala                   | Water Resources Internat'l | \$918,214.00    | 1/8/90              |                          |
| 17-HW-B            | Drilling KAU Well (0139-01)                                  | Richardson Well Drilling   | \$674,300.00    | 10/16/89            |                          |
| 22-HW-M            | Honokahau Boat Harbor, Water Sys.                            | Keauhou Kona Resort        | \$945,830.00    |                     |                          |
| 42-HW-A            | Olaa Station Well No. 3 (3603-03-1), Expl. Drilling          | Paul Frandsen & Assoc.     | \$232,950.00    | 1/26/87             |                          |
| 48-HW-O            | Honokaa Well A (6428-01)                                     | Paul Frandsen & Assoc.     | \$724,530.00    | 10/16/89            |                          |
| 48-HW-A            | Drilling Test holes, S. Kohala                               | Hawaiian Island Drilling   | \$165,000.00    | 2/2/87              |                          |
| 62-HW-A            | Upper Hamakua Ditch-Ph.2A                                    |                            |                 |                     |                          |
| 62-HW-A            | Upper Hamakua Ditch-Ph.2B                                    |                            |                 |                     |                          |
| <b>Aquatics</b>    |  |                            |                 |                     |                          |
| 63-HQ-3            | Baitfish Holding Facility                                    |                            |                 |                     |                          |
| 63-HQ-3A           | Baitfish Tank  |                            |                 |                     |                          |
| <b>Parks</b>       |  |                            |                 |                     |                          |
| 80-OP-D7           | Sand Island State Pk. Handicap Improv.                       | Iwamoto Construction Inc   | \$40,855.00     |                     |                          |
| 83-OP-E            | Royal Mausoleum, Site Improv.                                |                            |                 |                     |                          |
| 84-OP-C            | Kaena Point State Recreation Area Water Sys.                 | Haitsuka Bros., Ltd.       | \$211,600.00    | 10/24/88            |                          |
| 85-OP-F2           | Malaekahana State Rec. Area Sewer & Water Improve.           | R.I. Namber Const.         | \$434,490.70    | 9/10/90             |                          |
| 86-OP-C            | Safety Railing & Pkg. Lot Reconst. Nuuanu Pali State Wayside | Road Builders Corp.        | \$83,529.50     |                     |                          |
| 87-OP-H            | Tantalus-Makiki St. Rec. Area Comfort Sta. & Water Sys.      | C. Maples Sprinklers       | \$265,900.00    | 10/17/88            |                          |
| 87-OP-A1           | Irrigation Sys. & Walkway Repaving Aina Moana Rec. Area      |                            |                 |                     |                          |
| 87-OP-H1           | Makiki-Tantalus State Pk. Roadway & Pkg. Lot reconst.        |                            |                 |                     |                          |
| 88-OP-F2           | Waimanalo Bay State Rec. Area Sewer Improv.                  |                            |                 |                     |                          |
| 80-MP-H5           | Caretaker's Building Roof Reconst.                           |                            |                 |                     |                          |
| 98-MP-H1           | Wainapanapa State Park Reconst. of Roadway                   |                            |                 |                     |                          |
| 80-KP-D6           | Wailua River State Pk. Handicap Renovation Bldg. A & B       |                            |                 |                     |                          |
| 93-KP-B            | Kokee State Park, Museum & Tank Improve.                     |                            |                 |                     |                          |
| 93-KP-A1           | Emergency Water Sys. Repair for Kokee St. Pk.                | Standard Plumbing          | \$95,000.00     | 10/10/88            |                          |
| 94-KP-C3           | Wailua River State Pk. Reroof Marina Bldgs. A & B.           | K. Shioi Constr. Inc.      | \$119,643.00    |                     |                          |
| 94-KP-C4           | Well & Pump Installation, Fern Grotto                        | Paul Frandsen & Assoc.     |                 |                     |                          |
| 94-KP-C            | Comfort Station, Fern Grotto, Wailua River St. Park          | K. Shioi Construction      | \$334,666.00    |                     |                          |
| 95-KP-D            | Reconst. of Hanalei Pier                                     | Abhe & Svoboda Inc.        | \$1,488,744.00  |                     |                          |
| 80-HP-D5           | Old Kona Airport, Handicap                                   | Walter Arakaki Gen. Contr. | \$43,464.00     |                     |                          |
| 89-HP-M            | Old Kona Airport, Noise Abatement                            |                            |                 |                     |                          |
| 90-HP-D1           | Mauna Kea State Rec. Area, Water Sys. Improv.                |                            |                 |                     |                          |
| 91-HP-I            | Akaka Falls Park Improv.                                     |                            |                 |                     |                          |
| <b>Aquaculture</b> |  |                            |                 |                     |                          |
| 61-OM-4            | Anuenue Fisheries Research Cntr.                             | Prime Construction         | \$78,542.00     | 3/19/90             |                          |
| 62-MM-A4           | Furnish & Deliver Equip. For Olinda ESPF. Ph. 2              |                            |                 |                     |                          |



## Pending Design Projects (cont.)

| Job No.              | Project   | Contractor                 | Contract Amount | Contract Start Date | Contract Completion Date |
|----------------------|---|----------------------------|-----------------|---------------------|--------------------------|
| <b>Land</b>          |   |                            |                 |                     |                          |
| 1-OL-B1              | Recarpeting DLNR Offices                                | Hi. Mine Blind & Fl. Whse. |                 |                     |                          |
| 31-OL-W              | Maunawili Farm Lots Road Improv.                        | T. Iida Contracting        | \$225,000.00    | 5/8/90              |                          |
| 31-OL-E              | Nanakuli Bus Stop Area Light                            | Hygrade Electric Co.       | \$4,997.00      | 6/29/90             |                          |
| 31-OL-F              | Site Grading Improve. Pearl City Athletic Complex       | Royal Contracting Co.      | \$125,935.00    | 1/16/90             |                          |
| 31-OL-C              | Waikiki Sea Walkway Rehabilitation. Ph. IV              | Kaikor Construction Co.    | \$316,363.00    | 11/7/88             |                          |
| 32-ML-A              | Honopou Bridge  | Valley Isl. Pumping, Inc.  | \$92,150.00     |                     |                          |
| 33-HL-B              | Laupahoehoe Road Improv.                                |                            |                 |                     |                          |
| <b>DOFAW</b>         |   |                            |                 |                     |                          |
| 9-OF-K               | Wahinepee St. Flood & Drainage Sys. Improv.             | D & C Construction         | \$69,394.42     | 8/20/90             |                          |
| 9-OF-Q               | Clearing of Kahawai & Waimanalo Streams                 | A. C. Construction         | \$88,920.05     | 8/20/90             |                          |
| 9-OF-Q1              | Clearing of Kahawai & Waimanalo Streams                 | A. C. Construction         | \$85,970.00     | 8/20/90             |                          |
| 60-OF-A4             | Nuuanu Forest Trail                                     | A.C. Vicent Construction   | \$39,960.00     | 7/2/90              |                          |
| 60-OF-E              | Furnish & Del. Mat'l. For Kuliouou Trail Forest Shelter | Prime Construction         | \$8,719.00      | 10/2/89             |                          |
| 60-OF-C              | Kuaokala Game Mgt. Rd.                                  | Richard Lee Trucking       | \$33,776.40     | 11/6/89             |                          |
| 61-OF-I              | Footbridge, Monoa Falls Trail                           | Iwamoto Construction Inc.  | \$46,711.00     | 8/8/90              |                          |
| 62-MF-G              | Kahului Nursery Greenhouse, Kahului                     | Stan's Contracting Co.     | \$27,300.00     | 10/2/89             |                          |
| 64-KF-A              | DLNR Kauai Baseyard Improve.                            | Kauai Builders, Ltd.       | \$563,200.00    |                     |                          |
| 63-HF-B2             | Improve. to Hilo DLNR Baseyard                          | Fair Contr Co., Ltd.       | \$445,185.00    | 10/14/88            |                          |
| <b>Agriculture</b>   |   |                            |                 |                     |                          |
| 31-OA-B              | Waimanalo Ag. Pk. Ph. 2, Farm Lot Subd.                 | Haitsuka Bros. Ltd.        | \$1,345,074.00  | 01/17/89            |                          |
| 31-OA-I              | Kahuku Agricultural Park                                | Haitsuka Bros. Ltd.        | \$2,154,741.40  | 01/12/87            |                          |
| <b>Miscellaneous</b> |   |                            |                 |                     |                          |
|                      | Kuaokala game Mgt. Rd. Kaena                            |                            |                 |                     |                          |
|                      | Mahimahi Rearing Tanks Various Locations, Oahu          |                            |                 |                     |                          |

## Soil and Water Conservations Districts

The Department's Soil and Water Conservation District (SWCD) program is associated with a national program to promote better husbandry of the nation's farmlands. In Hawaii, the districts have the added responsibilities of reviewing agricultural grading plans and providing field inspections to enforce compliance with county grading ordinances. They also assist the Department of Health in protecting our water resources from land-generated pollution.

The present 16 districts now cover nearly all of the lands of the State. Each district has five directors and many cooperators who volunteer their time to help the Federal, State and County governments implement land conservation policies.

The Division provides administrative support and operating funds to the districts. Hawaii County provides additional funding to its districts for help in administering the County's grading ordinance. The Department of Health also provides EPA funding to assist districts with their pollution control work. The USDA Soil Conservation Service provides technical services needed for the districts' operations, including conservation activities carried out under the Food Security Act.

Watershed projects, Resource Conservation and Development projects, and River Basin projects, all being implemented with the assistance of the Soil Conservation Service, and listed below:

## Watershed Projects

| Location        | Activity Status  |
|-----------------|--|
| Lahaina         | Plan and environmental assessment nearly complete.   |
| Upcountry Maui  | Foundation investigations for proposed Mahanalua Reservoir scheduled for August 1990.  |
| Wailuku-        | Plans and costs under re-evaluation. Structures completed: Kahana desalting basin, Napili and Honokowai flood control channel, Mahinahina flood control, and Honokowai dam spillway.   |
| Waimanalo       | Plans and environmental assessments completed in December; construction underway. Agricultural Park, Phase 2, irrigation system nearly complete. Waimanalo Reservoir design completed. |
| Kahaluu         | Items completed: Lagoon, Kamehameha Highway bridge, lagoon cleanout, channel improvements. Phase 2 improvements underway.  |
| Four Mile Creek | Draft of technical report completed; recommendations include structural and nonstructural alternatives and cost estimates to reduce flooding damage in South Hilo.                     |

## Resource Conservation and Development Projects

|                      |                                    |
|----------------------|------------------------------------|
| Kahakuloa (Kaukini)  | Design and cost under review.      |
| Kahakuloa Inlet      | Environmental assessment underway. |
| Kahakuloa (Kalahula) | Construction underway.             |
| Garden Isle          | Working plans prepared.            |

## River Basin Projects

|     |                                |
|-----|--------------------------------|
| Kau | Preliminary planning underway. |
|-----|--------------------------------|

# LAND MANAGEMENT DIVISION

*Fiscal Year 1989-90*

## Public Trust Land Proceeds

| Receipts <sup>1</sup>                                     | Actual<br>1989-90  | Estimated<br>1990-91 |
|---|--------------------|----------------------|
| Rentals, Leased Public Lands                              | \$5,161,954        | \$5,000,000          |
| Rentals, Unleased Public Lands                            | 1,096,674          | 1,095,000            |
| Sale of Wood, Rock and Sand                               | 171,242            | 150,000              |
| Use of Government Water                                   | 304,483            | 300,000              |
| License, Use of Government Land for Specific Purposes     | 194,240            | 200,000              |
| License, Use of Government Land for Recreational Purposes | —0—                | —0—                  |
| Sale of Real Property (Includes \$26,914 Interest)        | 627,612            | 500,000              |
| <b>TOTAL RECEIPTS</b>                                     | <b>\$7,556,205</b> | <b>\$7,245,000</b>   |
| Expenditures  | Actual<br>1989-90  | Estimated<br>1990-91 |
| Revenue to Office of Hawaiian Affairs                     | \$1,507,869        | <b>\$1,500,000</b>   |
| Revenue to Department of Hawaiian Homes*                  | 686,148            | <b>600,000</b>       |
| Land and Transfers  | —0—                | —0—                  |
| Transfers to General Fund**                               | 5,362,188          | <b>5,000,000</b>     |
| <b>TOTAL TRANSFERS</b>                                    | <b>\$7,556,205</b> | <b>\$7,100,000</b>   |

<sup>1</sup>All Chapter 171, HRS

\*Does not include \$114,770 DHHL Income (100%) from lands owned by DHHL but managed by DLNR.

## General Fund Revenues and Fee Schedule

| Title of Receipt (Legal Reference)                       | Fee Schedule                            | Actual<br>1989-90  | Estimated<br>1990-91 |
|--|---|--------------------|----------------------|
| Liquidated Contract Damages                              |   | \$-0-              | \$ -0-               |
| Conveyance Tax (Act 5/68)                                | .05 per 100                             | 13,426             | 1,200                |
| Forfeiture of Failure to Return Plans and Specifications | 25.00 per plan and spec                 | -0-                | -0-                  |
| Fees, Copies of Public Documents                         | .50 per page                            | 5,055              | 4,000                |
| Fees, Issuance of Land Patents, etc.                     | 30.00 each                              | 5,097              | 5,000                |
| Fees, Consent to Transfers, etc.                         | 30.00 each                              | 1,020              | 1,000                |
| Fees, Surveying Public Lands                             | 25.00 each                              | 1,225              | 1,200                |
| Fees, Appraisal  | Cost to Department<br>but not less than |                    |                      |
|  | 25.00 each                              | -0-                | -0-                  |
|  | 50.00 each                              | 10,600             | 10,000               |
| Fees, Application for Shoreline Certification            |   | -0-                | -0-                  |
| Sale of Services   |   | -0-                | -0-                  |
| Sale of Improvements on Expired or Cancelled Leases      |   | 3,807              | 4,000                |
| Cost of Managing Property for Other Departments          |   | -0-                | -0-                  |
| Indemnity for Damages to Insured Property                |   | -0-                | -0-                  |
| Sale of Wood, Rock and Sand                              |   | 33,520             | 35,000               |
| Interest on Delinquent Accounts                          |   | 105,010            | 100,000              |
| Interest Earned on TCD                                   |   | 6,800              | 7,000                |
| Fines for Land Violations                                |   | -0-                | -0-                  |
| Sales of Equipment or Other Property                     |   | -0-                | -0-                  |
| Refund/Reimbursement                                     |   | 3,301,282          | 3,300,000            |
| Transfer Balance - Sand Island Revenues                  |   |                    |                      |
| <b>TOTAL</b>   |   | <b>\$3,486,842</b> | <b>\$3,468,400</b>   |



## Special Land and Development Fund

|   | Actual<br>1989-90  | Estimated<br>1990-91 |
|---|--------------------|----------------------|
| <b>Receipts</b>                                       |                    |                      |
| Rentals, Leased Public Lands                          | \$ 866,736         | \$ 850,000           |
| Rentals, Unleased Public Lands                        | 516,984            | 500,000              |
| Sale of Wood, Rock and Sand                           | 138,812            | 120,000              |
| License, Use of Government Water                      | 42,838             | 40,000               |
| License, Use of Government Land for Specific Purposes | 14,287             | 14,000               |
| Interest Earned on TCD                                | 480,486            | 400,000              |
| Interest on Deferred Payments                         | 3,776              | 3,000                |
| Sale of Public Lands                                  | 710,867            | 50,000               |
| Refund and Reimbursement of Prior Year Expenditure    | 449                | 500                  |
| <b>TOTAL</b>  | <b>\$2,775,234</b> | <b>\$1,977,500</b>   |
| <b>Expenditures</b>                                   |                    |                      |
| Land and Interest in Land                             | \$ -0-             | \$ -0-               |
| Structures and Permanent Improvements to Land         | -0-                | -0-                  |
| Appraisal Fees  | 24,411             | 22,000               |
| Publication of Notices Fund                           | 2,509              | 2,500                |
| Maintenance Fund                                      | 491,139            | 500,000              |
| Bond Fund Repayments                                  | 171,844            | 150,000              |
| Administrative Costs                                  | 149,242            | 150,000              |
| Revenue to DHHL                                       | 63,479             | 60,000               |
| <b>TOTAL</b>  | <b>\$ 902,624</b>  | <b>\$ 884,500</b>    |
| Balance at the beginning:                             | \$5,590,767        | \$7,463,378          |
| Balance at end:                                       | \$7,463,378        | \$6,578,878          |

## Summary of Dispositions All Islands

| Counties                          | Executive Orders | Sales in Fee | General Leases | Revocable Permits | Grand Totals |
|-----------------------------------|------------------|--------------|----------------|-------------------|--------------|
| <b>Hawaii (1st Land District)</b> |                  |              |                |                   |              |
| Number                            | 2                | 4            | -0-            | 5                 | 11           |
| Area (Acres)                      | 13.070           | 14.532       | -0-            | 23,507.111        | 23,534.713   |
| Price * or Annual Rent            | -0-              | 150,559.00   | -0-            | 42,432.00         | 192,991.00   |
| <b>Maui (2nd Land District)</b>   |                  |              |                |                   |              |
| Number                            | 5                | 4            | -0-            | 15                | 24           |
| Area (Acres)                      | 146.446          | .192         | -0-            | 33,202.903        | 33,349.541   |
| Price* or Annual Rent             | -0-              | 14,140.00    | -0-            | 137,412.00        | 151,552.00   |
| <b>Oahu (3rd Land District)</b>   |                  |              |                |                   |              |
| Number                            | 18               | 11           | 5              | 23                | 57           |
| Area (Acres)                      | 197.995          | 1.013        | .906           | 29.517            | 229.431      |
| Price* or Annual Rent             | -0-              | 173,060.00   | 832.00         | 31,704.00         | 205,596.00   |
| <b>Kauai (4th Land District)</b>  |                  |              |                |                   |              |
| Number                            | 3                | 1            | -0-            | 3                 | 7            |
| Area (Acres)                      | 22.396           | .041         | -0-            | 87.117            | 109.554      |
| Price* or Annual Rent             | -0-              | 2,850.32     | -0-            | 12,528.00         | 15,378.32    |
| <b>Grand Totals</b>               |                  |              |                |                   |              |
| Number                            | 28               | 20           | 5              | 46                | 99           |
| Area (Acres)                      | 379.907          | 15.778       | .906           | 56,826.648        | 57,223.239   |
| Price* or Annual Rent             | -0-              | 340,609.32   | 832.00         | 224,076.00        | 565,517.32   |

# GENERAL LEASES

GENERAL  
LEASES  
All Islands

## All Islands

Fiscal Year 1989-90

## Summary of General Leases/All Islands

Fiscal Year 1989-90

| Use <sup>1</sup>               | Area (Acres) | Annual Rental  | No. of Leases <sup>2</sup> |
|--------------------------------|--------------|----------------|----------------------------|
| Intensive agriculture use      | 60,368.600   | \$1,279,749.61 | 184                        |
| Special livestock use          | —            | —              | )                          |
| Pasture use                    | 81,850.404   | 306,633.50     | 81                         |
| Commercial timber use          | —            | —              | —                          |
| Quarry use                     | 45.957       | 12,645.00      | 1                          |
| Mining use                     | 14.000       | 132.00         | 1                          |
| Recreational use               | 641.055      | 39,290.00      | 18                         |
| Watershed use                  | 1,743.900    | 146,195.00     | 7                          |
| Res. use                       | 176.713      | 327,665.00     | 202                        |
| Commercial and industrial use  | 616.715      | 2,067,651.86   | 137                        |
| Hotel, apartment and motel use | 8.865        | 117,289.00     | 9                          |
| Resort use                     | —            | —              | —                          |
| Unclass. uses                  | 46,193.367   | 858,399.27     | 260p                       |
| TOTALS                         | 191,659.396  | 5,155,650.24   | 900                        |

<sup>1</sup>The following Land Use Commission classification is used throughout: A - Agriculture  
C - Conservation  
R - Rural  
U - Urban

<sup>2</sup>Leases awarded directly are preceded by "D." All others are awarded by public auction.



GENERAL  
LEASES  
Island of  
Hawaii

Summary of General Leases/First Land District – Island of Hawaii

Fiscal Year 1989-90

| Use <sup>1</sup>               | Area (Acres) | Annual Rental  | No. of Leases <sup>2</sup> |
|--------------------------------|--------------|----------------|----------------------------|
| Intensive agriculture use      | 14,939.462   | \$219,374.57   | 63                         |
| Special livestock use          | —            | —              | —                          |
| Pasture use                    | 77,401.425   | 260,157.50     | 39                         |
| Commercial timber use          | —            | —              | —                          |
| Quarry use                     | —            | —              | —                          |
| Mining use                     | —            | —              | —                          |
| Recreational use               | 471.943      | 25,001.00      | 4                          |
| Watershed use                  | .150         | 720.00         | 1                          |
| Res. use                       | 38.067       | 19,722.00      | 55                         |
| Commercial and industrial use  | 263.357      | 1,085,426.86   | 91                         |
| Hotel, apartment and motel use | 3.281        | 33,789.00      | 5                          |
| Resort use                     | —            | —              | —                          |
| Unclass. uses                  | 37,262.481   | 50,767.40      | 77                         |
| TOTALS                         | 130,380.166  | \$1,694,958.33 | 335                        |

<sup>1</sup>The following Land Use Commission classification is used throughout: A – Agriculture  
C – Conservation  
R – Rural  
U – Urban

<sup>2</sup>Leases awarded directly are preceded by "D". All others are awarded by public auction.

## GENERAL LEASES

### Island of Hawaii

Fiscal Year 1988-89

| Lease No. | Lessee   | Term of Lease       | Location   | Tax Map Key | Area (Acres) | Classification and Use | Annual Rental |
|-----------|--|---------------------|--|-------------|--------------|------------------------|---------------|
| 2480      | Nakano Co., Ltd  | 8/25/36-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo  | 2-1-05:13   | .720         | U—Com/Ind.             | 15,054.00     |
| 2481      | Nakano Co., Ltd  | 8/25/36-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo  | 2-1-05:17   | .750         | U—Com/Ind.             | 15,680.00     |
| 2610      | Nakano Co., Ltd  | 6/01/39-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo  | 2-1-05:16   | 2.950        | U—Com/Ind.             | 61,681.00     |
| 2908      | Noboru Nakagawa, Sakae Nakagawa, Susumu Nakagawa and Lawrence Takeshi Nakagawa | 11/01/42-7/31/90    | Waiakea, S. Hilo   | 2-1-15:01   | 50.867       | U—Unclass. Fishpond    | 1,400.00      |
| (L)2964   | Edward C. Hustace Trust Stillman Trust   | 3/15/41-(revocable) | Honuaula Mauka Tract No. 3, Kealakehe Mauka Tract, Kaloa-Ooma Mauka Tract, Makaula-Haleohiu Tract, N. Kona | 7-3-01:02   |              | A—Unclass. ROW         | 12.00         |
| 3029      | John Tolmie & David De Luz   | 9/13/45-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo  | 2-1-05:22   | 1.190        | U—Com/Ind.             | 8,112.00      |
| 3155      | Richard Alderson   | 3/15/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:21   | .163         | U—Res.                 | 957.00        |
| 3156      | Michael F. & Dora Lee Rudolph  | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:22   | .165         | U—Res.                 | 969.00        |
| 3157      | Margaret McKeen and Robert C. McKeen, Jr.                                      | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:23   | .167         | U—Res.                 | 982.00        |
| 3158      | Penniman Title Company, Inc.   | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:24   | .169         | U—Res.                 | 994.00        |
| 3160      | Patricia Nielson   | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:26   | .173         | U—Res.                 | 159.00        |
| 3161      | Robert Alvin Finkle  | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo  | 2-1-07:27   | .175         | U—Res.                 | 299.00        |

| Lease No. | Lessee  | Term of Lease       | Location   | Tax Map Key                                      | Area (Acres)               | Classification and Use | Annual Rental | GENERAL LEASES<br>Island of Hawaii |
|-----------|---|---------------------|--|--|----------------------------|------------------------|---------------|------------------------------------|
| 3162      | Clarence Tatsuka & Kitome Ohama                         | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:28  | .178                       | U—Res.                 | 163.00        |                                    |
| 3163      | Michael James Thomas & Cynthia Kuulei Thomas            | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:29  | .180                       | U—Res.                 | 1,058.00      |                                    |
| 3164      | Electrical Workers Local 1260 Building Trust            | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:30  | .182                       | U—Res.                 | 1,071.00      |                                    |
| 3165      | Eleanor Mae VAndervoort                                 | 11/18/46-3/14/2015  | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:31  | .184                       | U—Res.                 | 1,083.00      |                                    |
| 3166      | John W. & Adele M. Jensen                               | 3/15/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:32  | .186                       | U—Res.                 | 1,095.00      |                                    |
| 3167      | Madeleine Krusche & Benjamin Jack Krusche               | 9/10/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:33  | .188                       | U—Res.                 | 1,108.00      |                                    |
| 3168      | Wayne T. and Carol T. Kanai                             | 9/10/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:34  | .190                       | U—Res.                 | 1,120.00      |                                    |
| 3169      | Barba Beaven  | 9/10/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:35  | .190                       | U—Res.                 | 1,117.00      |                                    |
| 3170      | James E. Faull & B. Claire M. Faull                     | 9/10/47-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-07:36  | .185                       | U—Res.                 | 1,087.00      |                                    |
| 3202      | Frank Ferreira  | 5/01/47-11/01/2017  | Lehia Park Res. Lots, S. Hilo  | 2-1-17:65  | .425                       | U—Res.                 | 370.00        |                                    |
| 3265      | Hilo Bay Hotel, Inc.                                    | 6/01/49-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-05:33  | .586                       | U—Hotel, Apt. & Motel  | 2,981.00      |                                    |
| 3266      | Hilo Bay Hotel, Inc.                                    | 8/10/49-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-05:34  | .531                       | U—Hotel, Apt. & Motel  | 2,716.00      |                                    |
| 3267      | Hilo Bay Hotel, Inc.                                    | 6/01/49-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-05:35  | .495                       | U—Hotel, Apt. & Motel  | 3,252.00      |                                    |
| 3268      | Nakano Co., Ltd.  | 6/01/49-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-05:32  | .749                       | U—Hotel, Apt. & Motel  | 15,660.00     |                                    |
| 3269      | Country Club-Hawaii, Inc.                               | 6/01/49-3/14/2015   | Ocean View Lots, Waiakea, S. Hilo                                    | 2-1-05:20  | .920                       | U—Hotel, Apt. & Motel  | 9,180.00      |                                    |
| 3354      | Hamakua Sugar Co., Inc.                                 | 1/01/52-12/31/2008  | Gov't Remainders of Papaki, Koloaha Au 1st, Hamakua                  | 4-6-05:08  | 547.724                    | A—Int. Ag. Cane        | 784.60        |                                    |
| 3472      | Hamakua Sugar Co., Inc.                                 | 4/09/54-12/31/2008  | Keaa-Mauka Tract, Hamakua  | 4-8-02-06<br>4-8 03-09                           | 25.780<br>27.920<br>53.700 | A—Pasture Cane         | 627.50        |                                    |
| S-3583    | Emma Yamada, Trustee                                    | 11/05/59-11/04/2004 | Lots 4, 6, 7 & 8 Blk. 39, Lots 5 & 7, Blk. 40, Waiakea Lots, S. Hilo | 2-2-37:52<br>92 & 93                             | 2.566                      | U—Com/Ind.             | 11,300.00     |                                    |
| S-3589    | F. Newell Bohnett                                       | 8/15/60-8/14/2000   | Puuwaawaa, N. Kona   | 7-1-01:01<br>7-1-02:01<br>7-1-03:01<br>7-1-04:01 | 21,157.644                 | A—Pasture              | 24,180.00     |                                    |
| S-3591    | Vetpro Inc., dba Veterans' Produce Exchange             | 1/16/61-1/15/2016   | Kanoelehua Ind. Lots, S. Hilo  | 2-2-49:17  | .354                       | U—Com/Ind.             | 8,340.00      |                                    |
| S-3592    | HPM Building Supply                                     | 1/16/61-1/15/2016   | Waiakea Business & Industrial Lots, S. Hilo                          | 2-2-32:78  | .778                       | U—Com/Ind.             | 17,790.00     |                                    |
| S-3593    | Automotive Supply Center, Ltd.                          | 1/16/61-1/15/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo                               | 2-2-49:12  | .367                       | U—Com/Ind.             | 8,640.00      |                                    |
| S-3594    | Elton Fumio Kaku & Cindy Mitsuko Kaku                   | 1/16/61-1/15/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo                               | 2-2-50:83  | .224                       | U—Com/Ind.             | 5,265.00      |                                    |
| S-3595    | Harry Hiroo Nishimura dba Harry's Refrigeration Service | 1/16/61-1/15/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo                               | 2-2-50:86  | .258                       | U—Com/Ind.             | 6,075.00      |                                    |
| S-3596    | Laupahoehoe Transportation Co., Inc.                    | 1/16/61-1/15/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo                               | 2-2-49:11  | .381                       | U—Com/Ind.             | 8,980.00      |                                    |
| S-3597    | Sure Save Supermarket, Ltd.                             | 1/16/61-1/15/2016   | Kamehameha Ave. Bus. Lots, Waiakea S. Hilo                           | 2-2-32:64  | .339                       | U—Com/Ind.             | 8,852.00      |                                    |



| GENERAL<br>LEASES<br>Island of<br>Hawaii | Lease<br>No. | Lessee  | Term of<br>Lease       | Location                                      | Tax Map<br>Key  | Area<br>(Acres)   | Classification<br>and Use                     | Annual<br>Rental                                 |
|--|--------------|---|------------------------|---|---|---|---|--|
|  | S-3598       | Daryl R. & Esther L.<br>Kayl - 1/2; Richard M &<br>Jeanne A. Fuller - 1/2 | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:85   | .258  | U—Com/Ind.                                    | 6,075.00   |
|  | S-3599       | Tadao Roy Van Dyke<br>Kimura Trust  | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:90   | .775  | U—Com/Ind.                                    | 17,720.00  |
|  | S-3600       | Hilo Mechanical Inc.  | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:97   | .344  | U—Com/Ind.                                    | 8,100.00   |
|  | S-3601       | William T. White, III   | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:07   | .775  | U—Com/Ind.                                    | 17,720.00  |
|  | S-3602       | Mar-Les Corp.   | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:14   | .364  | U—Com/Ind.                                    | 8,570.00   |
|  | S-3603       | L&P Hawaiian<br>Enterprises, Inc.   | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:16   | .293  | U—Com/Ind.                                    | 4,430.00   |
|  | S-3604       | Walter Kiyoshi Hamai<br>dba W.K. Hamai Repair<br>Repair Shop              | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:02   | .258  | U—Com/Ind.                                    | 6,075.00   |
|  | S-3606       | Hilo Kala, Inc.   | 1/16/61-<br>1/15/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:96   | .344  | U—Com/Ind.                                    | 8,100.00   |
|  | S-3609       | Hawaii Planing Mill,<br>Ltd.  | 1/16/61-<br>1/15/2016  | Waiakea Bus. &<br>Industrial Lots,<br>S. Hilo | 2-2-32:68   | 2.363   | U—Com/Ind.                                    | 43,200.00  |
|  | S-3611       | William Mackenzie,<br>Trustee, et al.                                     | 1/16/61-<br>1/15/2016  | Waiakea Bus. &<br>Industrial Lots,<br>S. Hilo | 2-2-32:21   | 2.334   | U—Com/Ind.                                    | 42,700.00  |
|  | S-3612       | Hamakua Sugar<br>Co., Inc.  | 2/01/61-<br>12/31/2008 | Hoea-Kaao, Makai<br>Tract, Hamakua            | 4-2-01:05, 06,<br>& 13<br>4-2-07:02                                   | 747.320<br>35.360<br>119.570<br><u>175.880</u><br>1,078.130 | A—Int. Ag.<br>Cane<br>ROW<br>Pasture<br>Waste | 6,725.88<br>35.36<br>298.93<br>17.59<br>7,077.76 |
|  | S-3613       | Hamakua Sugar<br>Co., Inc.  | 2/01/61-<br>12/31/2008 | Humuula & Kahoahuna<br>N. Hilo                | 3-9-01:01,13<br>& 18<br>3-9-02:01, 07                                 | 818.593<br>25.090<br><u>332.390</u><br>1,176.073            | A—Int. Ag.<br>Cane<br>ROW<br>Waste            | 7,367.33<br>25.09<br>33.24<br>7,425.66           |
|  | S-3614       | Hamakua Sugar<br>Co., Inc.  | 2/01/61-<br>12/31/2008 | Niupea-Kealakaha                              | 4-1-02:01, 04,<br>05, & 06<br>4-1-03:19, 26<br>4-1-04:01, 31,<br>& 33 | 493.076<br>10.930<br><u>156.822</u><br>660.828              | A—Int. Ag.<br>Cane<br>ROW<br>Waste            | 4,437.68<br>10.93<br>15.68<br>4,464.29           |
|  | S-3615       | Hamakua Sugar<br>Co., Inc.  | 2/01/61-<br>12/31/2008 | Ookala-Manowaialee,<br>N. Hilo & Hamakua      | 3-9-01:02, 07<br>3-9-02:08<br>4-1-01:06<br>4-1-05:01                  | 1,081.560<br>20.852<br><u>266.031</u><br>1,368.443          | A—Int. Ag.<br>Cane<br>ROW<br>Waste            | 9,734.04<br>20.85<br>26.60<br>9,781.49           |
|  | S-3616       | Hamakua Sugar<br>Co., Inc.  | 2/01/60-<br>12/31/2008 | Kaiaakea Makai<br>Remainder, N. Hilo          | 3-4-03:11, 12,<br>13, 14, 16,<br>38 & 39                              | 64.380<br>15.703<br><u>80.083</u>                           | A—Int. Ag.<br>Cane<br>Waste                   | 579.42<br>1.57<br>580.99                         |
|  | S-3617       | Hamakua Sugar<br>Co., Inc.  | 2/01/61-<br>12/31/2008 | Kaao-Paalaea<br>Tract, Hamakua                | 4-5-01:07, 08,<br>13 & 16   | 335.100<br>5.800<br><u>93.843</u><br>434.743                | A—Int. Ag.<br>Cane<br>ROW, Waste              | 865.00   |
|  | S-3618       | Laupahoehoe<br>Transportation Co., Inc.                                   | 2/06/61-<br>2/05/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:09   | .775  | U—Com/Ind.                                    | 17,885.00  |
|  | S-3619       | Mauna Kea Electric<br>Inc.  | 2/06/61-<br>2/05/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:39   | .320  | U—Com/Ind.                                    | 7,545.00   |
|  | S-3620       | Chika Nakano Repair<br>Shop, Inc.   | 2/06/61-<br>2/05/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:04   | .604  | U—Com/Ind.                                    | 14,210.00  |
|  | S-3621       | Seair Corporation   | 2/24/61-<br>2/23/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-49:06   | .895  | U—Com/Ind.                                    | 20,670.00  |
|  | S-3622       | Satoru Amano dba<br>Amano Fish Cake<br>Factory                            | 3/20/61-<br>3/19/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:95   | .320  | U—Com/Ind.                                    | 7,605.00   |
|  | S-3624       | Railroad Avenue<br>Partners   | 3/06/61-<br>3/05/2016  | Por. Waiakea,<br>S. Hilo                      | 2-1-12:26   | 4.499   | U—Com/Ind.                                    | 27,635.00  |
|  | S-3631       | A & A Hawaii, Inc.  | 3/20/61-<br>3/19/2016  | Kanoelehua Ind.<br>Lots, Waiakea, S. Hilo     | 2-2-50:79   | .241  | U—Com/Ind.                                    | 5,735.00   |

| Lease No. | Lessee  | Term of Lease       | Location  | Tax Map Key   | Area (Acres)   | Classification and Use                           | Annual Rental          | GENERAL LEASES<br>Island of Hawaii |
|-----------|---|---------------------|---|---|--|--|------------------------|------------------------------------|
| S-3653    | Andrews Trucking Service                                    | 3/20/61-3/19/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:81   | .256   | U—Com/Ind.                                       | 6,095.00               |                                    |
| S-3654    | Kohala Sugar Co.  | 11/08/61-11/07/91   | Por. bottom of Pololu Valley, N. Kohala   | 5-1-01:06   | 141.000  | A—Pasture  | 325.00                 |                                    |
| S-3660    | Harry Atsushi & Yukino Endo                                 | 3/20/61-3/19/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:77   | .459   | U—Com/Ind.                                       | 6,550.00               |                                    |
| S-3662    | Mauna Kea Agribusiness Co., Inc.                            | 8/16/61-8/15/91     | Piihonua, S. Hilo   | 2-3-28:11<br>2-3-29:12<br>2-3-31:01<br>2-3-32:01, 04<br>2-5-09:05, 27 | 1,198.990<br>159.620<br>14.330<br>602.931<br>1,975.871 | A—Int. Ag. Cane<br>Contributory Pasture<br>Waste | 10,499.68              |                                    |
| S-3670    | Machida, Inc.   | 3/20/61-3/19/2016   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:98   | .344   | U—Com/Ind.                                       | 8,190.00               |                                    |
| S-3698    | Bank of Hawaii  | 1/26/62-1/25/2017   | Waiakea, S. Hilo  | 2-2-49:22   | .687   | U—Com/Ind.                                       | 12,250.00              |                                    |
| S-3716    | Masaru Shindo dba Hilo Soda Works                           | 10/29/62-10/28/2017 | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:15   | .556   | U—Com/Ind.                                       | 851.40                 |                                    |
| S-3718    | Hilo Auto Electric & Carburetor Service                     | 6/28/63-6/27/2018   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:80   | .258   | U—Com/Ind.                                       | 587.00                 |                                    |
| S-3722    | Hawaii Baptist Convention                                   | 11/30/62-11/29/2017 | Waiakea Cane Lots, S. Hilo  | 2-4-01:112  | 1.000  | A—Unclass. Elee.                                 | 780.00                 |                                    |
| S-3723    | S. K. Oda, Ltd.   | 11/30/62-11/29/2017 | Por. Waiakea, S. Hilo   | 2-2-32:11   | 1.934  | U—Com/Ind.                                       | 18,954.00              |                                    |
| S-3729    | Hubert S. Andrews dba Andrews Trucking Service              | 8/23/63-8/22/2018   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:78   | .241   | U—Com/Ind.                                       | 572.00                 |                                    |
| (D)S-3731 | County of Hawaii, Board of Water Supply                     | 7/01/64-6/30/2029   | Mountain View Water System, Land Site #1, Puna  | 1-8-08:21   | .181   | C—Unclass.                                       | Gratis                 |                                    |
| (D)S-3732 | County of Hawaii, Civil Defense & Disaster Relief Agency    | 3/29/63-3/28/2013   | Kaumana Cave, Hilo  | 2-5-06:03 & 04  |  | A—Unclass.                                       | Gratis                 |                                    |
| (D)S-3738 | County of Hawaii, Civil Defense & Disaster Relief Agency    | 3/29/63-3/28/2013   | Pahoa Cave, Puna  | 1-5-08:01<br>1-5-09:09<br>1-5-10:03                                   | .041   | A—Unclass.                                       | Gratis                 |                                    |
| (D)S-3739 | County of Hawaii, Civil Defense & Disaster Relief Agency    | 3/29/63-3/28/2013   | Malana (Mackenzie Cave), Puna   | 1-3-07:06   |  | C—Unclass.                                       | Gratis                 |                                    |
| S-3742    | Yasuo Kuwaye American Trust Co. of Hawaii, Inc. - Trustees  | 11/12/63-11/11/2018 | Waiakea Industrial Lots, Waiakea, S. Hilo   | 2-2-58:14   | 2.165  | U—Com/Ind.                                       | 4,452.00               |                                    |
| (D)S-3744 | County of Hawaii, Civil Defense & Disaster Relief Agency    | 4/26/63-4/25/2013   | Puuanahulu Cave, N. Kona  | 7-1-03:por. 01  |  | C—Unclass.                                       | Gratis                 |                                    |
| (D)S-3745 | County of Hawaii, Civil Defense & Disaster Relief Agency    | 4/26/63-4/25/2013   | Pigeon Cave, Puuanahulu, N. Kona  | 7-1-04:por. 01  |  | C—Unclass.                                       | Gratis                 |                                    |
| S-3750    | Jiro Tanaka dba Tanaka Electrical                           | 4/26/63-4/25/2018   | Kanoelehua Ind. Lots, Waiakea, S. Hilo  | 2-2-50:76   | .274   | U—Com/Ind.                                       | 622.00                 |                                    |
| (D)S-3751 | County of Hawaii, Hilo Hospital Complex & Allied Facilities | 6/07/63-6/06/2028   | Piihonua, S. Hilo   | 2-3-27:02   | 20.401   | U—Unclass.                                       | 1.00<br>Paid—Full Term |                                    |
| (D)S-3834 | County of Hawaii, Board of Water Supply                     | 4/24/64-4/23/2029   | Under & Across Por. Hamakua Water Res., Ahualoa-Kaapahu-Pohakea Water System, Hamakua | 4-5-11:01   | .643   | C—Unclass.                                       | 1.00<br>Paid—Full Term |                                    |
| S-3836    | Oda Orchids, Inc.   | 6/16/64-6/15/2019   | Waiakea, S. Hilo  | 2-2-48:01   | 7.855  | U—Com/Ind.                                       | 565.56                 |                                    |
| S-3837    | Inouye, Inc.  | 6/16/64-6/15/2019   | Waiakea Hmstds., S. Hilo  | 2-2-44:04   | 10.000   | U—Com/Ind.                                       | 1,700.00               |                                    |
| (D)S-3844 | University of Hawaii  | 7/24/64-7/23/2029   | Hamakua Experiment Farm, Kaohe  | 4-3-10:07   | 185.000  | A—Int. Ag.                                       | Gratis                 |                                    |
| (D)S-3849 | U.S. of America (Army)                                      | 8/17/64-8/16/2029   | Pohakuloa Training Area   | 3-8-01:13   | 22,971.000   | C—Unclass.                                       | 1.00<br>Paid—Full Term |                                    |
| (D)S-3853 | U.S. Of America (Army)                                      | 8/21/64-8/20/2029   | Pohakuloa Water License Easements   | 4-4-16:por. 01  | 5.510  | C—Unclass.                                       | 1.00<br>Paid—Full Term |                                    |



| GENERAL<br>LEASES   | Lease<br>No. | Lessee   | Term of<br>Lease        | Location   | Tax Map<br>Key  | Area<br>(Acres)             | Classification<br>and Use | Annual<br>Rental       |
|---------------------|--------------|--|-------------------------|--|---|-----------------------------|---------------------------|------------------------|
| Island of<br>Hawaii | (D)S-3855    | County of Hawaii   | 10/11/63-<br>10/10/2028 | Kukuau 2nd &<br>Waiakea, S. Hilo   | 2-2-06<br>2-2-11; 2-2-12;<br>2-2-31; & 2-2-32   | 1.912                       | U—Unclass.                | Gratis                 |
|                     | (D)S-3865    | County of Hawaii,<br>Board of Water Supply               | 8/28/64-<br>8/27/2029   | Utility Easements<br>Panaewa, S. Hilo  | 2-2-48:por. 05  | .182                        | U—Unclass.                | 1.00<br>Paid—Full Term |
|                     | S-3875       | Laupahoehoe Trans-<br>portation Company, Inc.            | 8/12/66-<br>8/11/2021   | Kahema Street,<br>Hilo   | 2-2-50:93   | .689                        | U—Com/Ind.                | 7,350.00               |
|                     | (D)S-3887    | Hilo Electric Light<br>Co., Ltd.                         | 1/20/65-<br>1/19/95     | Por. H.H.L.,<br>Humuula, N. Hilo   | 3-8-01:07   | 6.583                       | C—Unclass.<br>ROW         | 360.00                 |
|                     | (D)S-3888    | Hawaiian Telephone Co.                                   | 1/20/65-<br>1/19/2030   | Waiakea Houselots,<br>S. Hilo  | 2-2-37:63   | .895                        | U—Com/Ind.                | 12,149.00              |
|                     | S-3908       | Seiyukai Kabushiki<br>Gaisha                             | 4/12/65-<br>4/11/2030   | Ocean View Lots,<br>Waiakea, S. Hilo   | 2-1-05:28   | 2.319                       | U—Com/Ind.                | 15,000.00              |
|                     | (D)S-3916    | County of Hawaii,<br>Board of Water Supply               | 10/30/64-<br>10/29/2029 | Panaewa, Waiakea,<br>S. Hilo   | 2-2-48:84   | .204                        | U—Unclass.                | Gratis                 |
|                     | (D)S-3925    | Hilo Electric Light<br>Co., Ltd.                         | 8/27/65-<br>8/26/2030   | Kanoehueha Ind.<br>Lots, Waiakea,<br>S. Hilo   | 2-2-58:20, 21,<br>& 22  | 3.718                       | U—Unclass.<br>ROW         | 7,566.00               |
|                     | (D)S-3927    | Hilo Electric Light<br>Co., Ltd.                         | 9/24/65-<br>9/23/95     | Por. Kaohe,<br>Hamakua   | 4-4-16:10   | .881                        | U—Unclass.                | 300.00                 |
|                     | S-3933       | Roman Catholic Bishop<br>of Honolulu                     | 10/18/65-<br>10/17/2030 | Puako Beach Lots,<br>Lalamilo, Waimea,<br>S. Kohala  | 6-9-05:19   | .643                        | U—Unclass.<br>Elee.       | 334.00                 |
|                     | S-3935       | Roy S. & Martha S.<br>Nagakura                           | 10/18/65-<br>10/17/2020 | Waiakea Houselots,<br>S. Hilo  | 2-2-37:66   | .304                        | U—Com/Ind.                | 8,090.00               |
|                     | S-3948       | Hamakua Sugar<br>Co., Inc.                               | 12/20/65-<br>12/31/2008 | Por. Hauola,<br>Hamakua  | 4-3-03:02, 03,<br>04, 05, 06,<br>& 07   | 155.290<br>4.730<br>160.020 | A—Int. Ag.<br>Cane        | 2,790.00               |
|                     | S-3949       | Hawaiian Greenhouse,<br>Inc.                             | 12/20/65-<br>12/19/2000 | Keonepoko Hmstds,<br>Pahoa   | 1-5-07:17   | 19.401                      | A—Int. Ag.                | 3,282.00               |
|                     | S-3950       | Kulana Foods, Ltd.                                       | 12/20/65-<br>12/19/2000 | Waiakea Hmstds,<br>S. Hilo   | 2-4-03:10 & 11  | 41.200                      | A—Pasture                 | 180.00                 |
|                     | S-3954       | Tokio Miyashiro  | 11/24/65-<br>11/23/2020 | Panaewa Farm Lots,<br>S. Hilo  | 2-4-49:30   | 10.097                      | A—Int. Ag.                | 485.00                 |
|                     | S-3961       | Melsan, Ltd.   | 4/15/66-<br>4/14/2030   | Por. Waiakea<br>Peninsula, S. Hilo   | 2-1-03:05   | 5.000                       | U—Com/Ind.                | 32,670.00              |
|                     | S-3962       | Eaton Magoon, Jr.  | 4/15/66-<br>4/14/96     | Haukalua Hmstds,<br>2nd, S. Kona   | 8-7-05:03 & 05  | 14.190                      | A—Int. Ag.                | 165.00                 |
|                     | (D)S-3966    | Transportation Depart-<br>ment, U.S. Coast Guard         | 4/15/66-<br>4/14/2031   | Hoopuloa, S. Kona  | 8-9-04:21   | 1.427                       | C—Unclass.                | Gratis                 |
|                     | S-3999       | Divaco Cooperative                                       | 8/16/66-<br>8/15/2021   | Hilo Industrial Dev.,<br>Pohaku St. Section,<br>Waiakea, S. Hilo   | 2-2-58:29 & 30  | .918                        | U—Com/Ind.                | 2,184.00               |
|                     | S-4001       | Jack Brysson<br>Greenwell, & Norman<br>Leonard Greenwell | 8/16/66-<br>8/15/91     | Onouli 2nd Gov't.<br>Tract, S. Kona  | 8-1-05:01   | 423.000                     | A—Pasture                 | 952.00                 |
|                     | S-4002       | Hamakua Sugar<br>Co., Inc.                               | 8/16/66-<br>12/31/2008  | Parcel A,<br>Pohakuhaku-Kamau<br>Govt Rem; Parcels<br>B,C,D,E&F,<br>Opihilala-Kapualei<br>Gov't Remnant,<br>Gov't Remainder<br>Kemau II Makai Tract<br>Kaohe I; Lot 21-A<br>Pohakea Hmstds, Makai<br>Section, Opihilala &<br>Pauilo, Hamakua | 4-3-04:04<br>4-3-05:01<br>4-3-06:01, 04, 08<br>10 & 12<br>4-3-07:02<br>4-3-08:02<br>4-3-11:04 | 220.892                     | A—Int. Ag.<br>Cane        | 3,080.00               |
|                     | S-4004       | Christ Lutheran<br>Church                                | 8/16/66-<br>8/15/2031   | Por. Waiakea,<br>S. Hilo   | 2-4-01:120  | 3.101                       | U—Unclass.<br>Elee.       | 2,400.00               |
|                     | S-4005       | John J. & Josephine<br>Andrade                           | 8/16/66-<br>8/15/91     | Ahualoa Reserve<br>Remnants, Ahualoa<br>Homesteads   | 4-5-11:06   | 13.496                      | A—Pasture                 | 91.00                  |
|                     | S-4018       | First United<br>Protestant Church of<br>Hilo             | 10/06/66-<br>10/05/2031 | Piihonua, S. Hilo  | 2-3-27:16   | 3.572                       | U—Unclass.<br>Elee.       | 4,095.00               |

| Lease No. | Lessee                                 | Term of Lease      | Location                           | Tax Map Key            | Area (Acres)                          | Classification and Use       | Annual Rental          | GENERAL LEASES<br>Island of Hawaii |
|-----------|--|--------------------|------------------------------------|------------------------|---------------------------------------|------------------------------|------------------------|------------------------------------|
| S-4024    | George Freitas Dairy, Inc.             | 11/29/66-11/18/91  | Puuepa 2-Kokoiki Tract, N. Kohala  | 5-5-05:01              | 74.340                                | A—Pasture                    | 1,200.00               |                                    |
| S-4025    | Palani Ranch Co., Inc.                 | 11/29/66-11/28/91  | Honuaula, N. Kona                  | 7-4-01:03              | 1,608.500                             | A—Pasture                    | 2,800.00               |                                    |
| (D)S-4029 | County of Hawaii                       | 4/13/67-4/12/2032  | Kealakehe, N. Kona                 | 7-4-08:17 por.         | 30.319                                | C —Unclass.                  | Gratis                 |                                    |
| S-4097    | Pauley Petroleum, Inc.                 | 3/31/67-3/30/2032  | Por. Waiakea, S. Hilo              | 2-1-09:07 & 31         | .130                                  | U—Unclass.                   | 304.63                 |                                    |
| S-4098    | Jerry M. & Elizabeth Alley             | 3/31/67-3/30/2032  | Por. Waiohinu Gov't Remnants, Kau  | 9-5-02:40              | .437                                  | U—Unclass. ROW               | 24.00                  |                                    |
| S-4099    | Richard Smart                          | 3/31/67-3/30/2032  | Across Por. Kamuela Airport        | 6-7-01:25 por.         | .006                                  | U—Unclass. ROW               | 1.00                   |                                    |
| (D)S-4102 | Kilauea Council, Boy Scouts of America | 4/15/66-4/14/2021  | Honokaia, Hamakua                  | 4-6-11:40              | 238.000                               | U—Unclass. Elee.             | 150.00                 |                                    |
| S-4105    | James H. & Mabel M. Davis              | 9/06/67-9/05/2032  | Puukapu, Waimea                    | 6-4-01:60              | .005                                  | A—Unclass. ROW               | 5.00                   |                                    |
| S-4107    | Hamakua Sugar Co., Inc.                | 9/06/67-12/31/2008 | Lauka-Kulihai, Hamakua             | 4-6-01:07, 08, & 18    | 78.460<br>35.810<br>3.710<br>117.980  | A—Int. Ag. Cane Waste<br>ROW | 1,020.00               |                                    |
| S-4108    | Hamakua Sugar Co., Inc.                | 9/06/67-12/31/2008 | Hanapai, Hamakua                   | 4-7-04:09, 11          | 34.700<br>8.850<br>43.550             | A—Int. Ag. Cane Waste        | 451.10                 |                                    |
| S-4109    | Hamakua Sugar Co., Inc.                | 9/06/67-12/31/2008 | Hamakua                            | 4-6-02:01, 02, & 07    | 143.140<br>14.130<br>3.600<br>160.870 | A—Int. Ag. Cane Waste<br>ROW | 1,861.00               |                                    |
| (D)S-4130 | Hawaiian Telephone Co.                 | 1/01/68-12/31/2023 | N. Hilo                            | 3-9-02:12              | 1.047                                 | U—Com/Ind                    | 760.00                 |                                    |
| S-4138    | Hale Nui Flowers, Inc.                 | 1/12/68-1/11/2023  | Waiakea, S. Hilo                   | 2-4-49:25              | 10.008                                | A—Int. Ag.                   | 552.00                 |                                    |
| (D)S-4139 | Honolulu Gas Co. Ltd.                  | 4/12/67-4/13/97    | Hilo                               | 2-2-27:02              | .230                                  | U—Com/Ind.                   | 510.00                 |                                    |
| S-4141    | Mauna Lani Resort, Inc.                | 2/23/68-2/22/93    | S. Kohala                          | 6-9-01:15              | 775.083                               | A—Int. Ag.                   | 10,000.00              |                                    |
| (D)S-4191 | University of Hawaii                   | 1/01/68-12/31/2033 | Kaohe, Hamakua                     | 4-4-15:09              | 13,321.054                            | C—Unclass.                   | Gratis                 |                                    |
| (D)S-4196 | University of Hawaii                   | 4/26/68-4/25/2023  | S. Kohala                          | 6-4-03:16, 97          | 196.414                               | A—Int. Ag.                   | 1.00<br>Paid—Full Term |                                    |
| S-4201    | Thrift Guaranty Corporation of Hawaii  | 9/26/68-9/25/2023  | Waiakea, S. Hilo                   | 2-2-58:33              | .474                                  | U—Com/Ind.                   | 1,600.00               |                                    |
| S-4202    | Julio Resureccion                      | 9/26/68-9/25/92    | Keopu No. 2, N. Kona               | 7-5-01:22              | 17.490                                | A—Pasture                    | 429.00                 |                                    |
| S-4203    | Richard Smart                          | 1/01/68-12/31/2033 | S. Kohala                          | 6-3-01:por. 02, 04, 06 | .150                                  | C—Watershed License          | 720.00                 |                                    |
| S-4205    | Flowers, Inc.                          | 9/26/68-9/25/2023  | Waiakea, S. Hilo                   | 2-4-49:31              | 60.000                                | A—Int. Ag.                   | 3,312.00               |                                    |
| S-4206    | Sun Sun Lau, Ltd.                      | 9/26/68-9/25/2033  | Waiakea, S. Hilo                   | 2-2-20:16 por.         | .059                                  | U—Unclass. ROW               | 80.00                  |                                    |
| S-4207    | Hugo & Shirley Von Platen Luder        | 9/26/68-2/28/2021  | N. Kona                            | 7-5-09:64              | .013                                  | U—Unclass. ROW               | 16.36                  |                                    |
| S-4224    | Richard Smart                          | 2/07/69-2/06/94    | N. Kohala                          | 5-8-02:06              | 23.800                                | A—Pasture                    | 96.00                  |                                    |
| S-4225    | Mitsuo & Yaeko Kitagawa                | 2/07/69-2/06/2024  | Waiakea, S. Hilo                   | 2-4-49:11              | 10.021                                | A—Int. Ag.                   | 576.00                 |                                    |
| S-4227    | Azabu USA (Kona) Co., Ltd.             | 2/07/69-2/06/2034  | Kahaluu, N. Kona                   | 7-8-13:42              | .128                                  | U—Unclass. ROW               | 128.25                 |                                    |
| (D)S-4235 | University of Hawaii Ltd.              | 4/11/69-4/10/2034  | Humuula, N. Hilo                   | 3-8-01:14              | .057                                  | C—Unclass. ROW               | Gratis                 |                                    |
| S-4239    | Palani Ranch Co., Inc.                 | 4/15/69-4/14/94    | Kealakehe, N. Kona                 | 7-4-02:07              | 1,232.000                             | A—Pasture                    | 2,600.00               |                                    |
| S-4246    | Sim Wenner                             | 8/09/69-8/08/94    | Moeauoa I Gov't Remainder, N. Kona | 7-5-01:19              | 6.890                                 | A—Pasture                    | 55.00                  |                                    |



**GENERAL  
LEASES  
Island of  
Hawaii**

| Lease No. | Lessee                                 | Term of Lease      | Location  | Tax Map Key   | Area (Acres)                                | Classification and Use                | Annual Rental |
|-----------|--|--------------------|---|---|---|---------------------------------------|---------------|
| S-4247    | Ponoholo Ranch, Ltd.                   | 7/11/69-7/10/94    | Pahinahina-Kiio-kalani Tract, Section 1, N. Kohala      | 5-9-01:por. 04<br>5-9-03:por. 01 & 02<br>5-9-04:08 & por. 01, 07 & 11 | 5,865.000                                   | A—Pasture                             | 3,930.00      |
| S-4248    | Gill T. Causey                         | 7/11/69-7/10/99    | Kokoiki, N. Kohala                                      | 5-5-05:19   | .652  | A—Unclass. ROW                        | 65.00         |
| S-4249    | Bank of Hawaii                         | 7/11/69-7/10/2034  | Honuaula, N. Kona                                       | 7-5-07:por. 58  | .047  | U—Unclass. ROW                        | 11.11         |
| S-4251    | Woodrow Miller                         | 9/12/69-9/11/94    | Puuanahulu Homesteads, N. Kona                          | 7-1-05:05   | 8.199                                       | A—Int. Ag.                            | 1,030.00      |
| S-4252    | Hilo Bay Hotel, Inc.                   | 8/14/69-8/14/2015  | Banyan Dr., Waiakea Peninsula, S. Hilo                  | 2-1-05:45   | .215  | U—Com/Ind.                            | 590.00        |
| S-4253    | Nakano Co., Ltd.                       | 8/14/69-3/14/2015  | Banyan Dr., Waiakea Peninsula, S. Hilo                  | 2-1-05:46   | 1.054                                       | U—Com/Ind.                            | 10,100.00     |
| S-4262    | Kau Agribusiness Co., Inc.             | 9/29/69-9/28/94    | Waiohinu, Kau   | 9-5-05:03   | 378.870                                     | A—Int. Ag. Cane                       | 6,990.00      |
| S-4263    | Kau Agribusiness Co., Inc.             | 9/29/69-9/28/94    | Kapapala, Kau   | 9-8-01:06   | 291.130                                     | A—Int. Ag. Cane                       | 6,130.00      |
| S-4264    | Haruyuki & Hatsue Tao                  | 9/29/69-9/28/2024  | Camp Site 8-A Waiakea, S. Hilo                          | 2-4-07:27   | .096  | U—Unclass. ROW                        | 2.67          |
| S-4279    | Hawaiian Anthuriums, Ltd.              | 1/20/70-1/19/95    | Por. Nanawale Res., Kaniahiku, Puna                     | 1-4-34:26   | 3.008                                       | A—Int. Ag.                            | 680.00        |
| S-4280    | Gilbert Uyeda                          | 1/20/70-1/19/95    | Por. Nanawale Res., Kaniahiku, Puna                     | 1-4-34:27   | 2.172                                       | A—Int. Ag.                            | 465.00        |
| S-4281    | Richard Smart                          | 1/20/70-1/19/95    | Puukole-Paoo Tract, N. Kohala                           | 5-7-01:04   | 2,464.290                                   | A—Pasture                             | 4,500.00      |
| S-4282    | Kau Agribusiness Co., Inc.             | 1/20/70-1/19/95    | Hionaa-Kaalaiiki Tract, Kau                             | 9-5-15:03   | 1,669.000<br>80.000<br>448.290<br>2,197.290 | A—Int. Ag. Cane<br>Contributory Waste | 23,543.00     |
| S-4283    | Kapalama Commercial Center             | 1/20/70-1/19/2010  | Hilo Ind. Dev., Pohaku St., Section 1, Waiakea, S. Hilo | 2-2-58:25   | .439  | U—Com/Ind.                            | 1,600.00      |
| S-4284    | Kapalama Commercial Center             | 1/20/70-1/19/2025  | Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo           | 2-2-37:81   | .826  | U—Com/Ind.                            | 4,860.00      |
| S-4285    | Hamakua Sugar Co., Inc.                | 1/20/70-12/31/2008 | Parcel A & B, Honokaia Makai Tract, Hamakua             | 4-6-03:01, 02<br>20<br>4-6-04:01, 03                                  | 477.100<br>23.430<br>165.919<br>666.449     | A—Int. Ag. Cane<br>Waste              | 9,050.00      |
| S-4287    | John Kenyon Grier & Irene Oi Ping Tang | 1/20/70-1/19/2025  | Easement-Pohakuhaku & Kemau, Hamakua                    | 4-3-06:16   | .330  | A—Unclass. ROW                        | 1.09          |
| (D)S-4288 | Honolulu Gas Co., Ltd.                 | 5/07/69-5/06/2024  | Kealakehe, N. Kona                                      | 7-4-08:por. 16 & 17   | .354  | C—Unclass. ROW                        | 980.00        |
| S-4299    | Ah Chun Lee & Edward Ah Kong Lee       | 5/12/70-5/11/95    | Kaimu-Kiula Hmstd., Makena & Kaimu, Puna                | 1-2-06:05   | 378.131                                     | A—Pasture                             | 350.00        |
| S-4300    | Pohaku Enterprises, Inc.               | 5/12/70-5/11/2025  | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo            | 2-2-58:35   | 1.435                                       | U—Com/Ind.                            | 8,000.00      |
| S-4302    | Yamada Transfer, Inc.                  | 5/12/70-5/11/2025  | Waiakea Houselots, & Gov't Remnant, S. Hilo             | 2-2-37:89   | 4.823                                       | U—Com/Ind.                            | 16,985.00     |
| S-4303    | David DeLuz                            | 6/11/70-6/10/2010  | Waiakea Houselots, Ext., Waiakea, S. Hilo               | 2-2-58:15   | .608  | U—Com/Ind.                            | 6,100.00      |
| S-4306    | Grayson Inouye                         | 6/30/70-6/29/2010  | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo            | 2-2-58:04   | .331  | U—Com/Ind.                            | 1,125.00      |
| S-4307    | Geo. 'Co., Inc.                        | 6/23/70-6/22/2010  | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo            | 2-2-58:03   | .278  | U—Com/Ind.                            | 980.00        |

| Lease No. | Lessee  | Term of Lease       | Location                                      | Tax Map Key                | Area (Acres) | Classification and Use | Annual Rental | GENERAL LEASES<br>Island of Hawaii |
|-----------|---|---------------------|---|----------------------------|--------------|------------------------|---------------|------------------------------------|
| S-4308    | Hilo Sheet Metal, Inc.                              | 6/23/70-6/22/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:02                  | .551         | U—Com/Ind.             | 1,350.00      |                                    |
| S-4309    | Western Pacific Investment                          | 6/23/70-6/22/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:32                  | .459         | U—Com/Ind.             | 1,620.00      |                                    |
| S-4310    | Alumside Products, Inc.                             | 6/30/70-6/29/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:31                  | .459         | U—Com/Ind.             | 1,620.00      |                                    |
| S-4311    | Industrial Steel Corporation                        | 6/23/70-6/22/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:27 & 28             | .877         | U—Com/Ind.             | 3,100.00      |                                    |
| S-4312    | Richard M. & Corliss T. Hirai                       | 6/30/70-6/29/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:26                  | .439         | U—Com/Ind.             | 1,550.00      |                                    |
| S-4313    | Scott T., Bernice N. & Thomas T. Nakahara           | 6/23/70-6/22/2010   | Hilo Ind. Dev., Pohaku St. Waiakea, S. Hilo   | 2-2-58:24                  | .255         | U—Com/Ind.             | 920.00        |                                    |
| S-4314    | Scott T., Bernice N. & Thomas T. Nakahara           | 6/23/70-6/22/2010   | Hilo Ind. Dev., Pohaku St., Waiakea, S. Hilo  | 2-2-58:23                  | .273         | U—Com/Ind.             | 930.00        |                                    |
| S-4316    | The Nakano Co., Ltd.                                | 6/23/70-6/22/2025   | Waiakea Golf Course, S. Hilo                  | 2-1-01:12                  | 63.248       | U—Com/Ind.             | 5,500.00      |                                    |
| S-4317    | Hisato & Tsuyako Ogata                              | 6/30/70-6/29/2025   | Easement-Waiakea                              | 2-4-33:18 por.             | .045         | U—Unclass. ROW         | 10.00         |                                    |
| S-4319    | Kinoole   | 2/01/71-1/31/2046   | Por. Gov't. Land at Waiakea                   | 2-4-25:01                  | 1.025        | U—Unclass. Elee.       | 1.00          |                                    |
| (D)S-4320 | Hawaiian Telephone Co.                              | 1/01/70-12/31/2035  | Halai Hill, Hilo                              | 2-3-22:por. 37             | .321         | U—Unclass. ROW         | 73.00         |                                    |
| S-4323    | C. Brewer & Co., Ltd.                               | 11/10/70-11/09/2035 | Waiakea, S. Hilo                              | 2-1-10:33                  | 3.706        | U—Com/Ind.             | 15,500.00     |                                    |
| S-4330    | Fortunato Garcia Teho et. al. A/S Glenn T. Nakamura | 4/16/71-4/15/2026   | Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo | 2-2-37:122                 | .416         | U—Com/Ind.             | 2,808.00      |                                    |
| S-4331    | George R. Madden, Jr. & Jean S. Madden              | 4/16/71-4/15/2026   | Hilo Ind. Dev., Leilani St., Waiakea S. Hilo  | 2-2-37:144                 | .516         | U—Com/Ind.             | 1,950.00      |                                    |
| S-4332    | George R. Madden, Jr. & Jean S. Madden              | 4/16/71-4/15/2026   | Hilo Ind. Dev., Leilani St., Waiakea, S. Hilo | 2-2-37:145                 | .548         | U—Com/Ind.             | 1,950.00      |                                    |
| S-4333    | Hawaiian Fruit Flavors, Inc.                        | 7/15/71-7/14/2011   | Waiakea Houselots, S. Hilo                    | 2-2-37:56                  | .448         | U—Com/Ind.             | 3,175.00      |                                    |
| S-4334    | Big Island Agricultural Producers, Inc.             | 4/16/71-4/15/96     | Panaewa Farm Lots, S. Hilo                    | 2-4-49:24                  | 10.231       | A—Int. Ag.             | 900.00        |                                    |
| S-4336    | Solomon Thompson                                    | 4/16/71-4/15/91     | Haukalua Hmstds.                              | 8-7-04:05, 07, 08, 09 & 10 | 28.150       | A—Pasture              | 475.00        |                                    |
| S-4344    | Hilo Medical Building Partnership                   | 12/27/71-12/26/2026 | Por. of Gov't. Land at Piihonua               | 2-3-27:25                  | 2.052        | U—Com/Ind.             | 4,088.90      |                                    |
| (D)S-4351 | University of Hawaii                                | 3/10/72-3/09/2037   | Student Housing Site, Waiakea, S. Hilo        | 2-4-01:07                  | 6.566        | U—Res.                 | Gratis        |                                    |
| (D)S-4357 | Daughters of Hawaii                                 | 8/25/72-8/24/2037   | Old Palace Lot, Kailua, N. Kona               | 7-5-07:20                  | 1.284        | U—Unclass. Elee.       | 100.00        |                                    |
| S-4359    | William T. White, III                               | 8/17/72-8/16/2027   | Hilo Ind. Dev., Leilani St., Waiakea S. Hilo  | 2-2-37:88                  | .413         | U—Com/Ind.             | 4,000.00      |                                    |
| S-4364    | Rainbow Tropicals, Inc.                             | 8/17/72-8/16/2027   | Panaewa Farm Lots, Waiakea, S. Hilo           | 2-4-49:17                  | 12.683       | A—Int. Ag.             | 5,000.00      |                                    |
| S-4366    | Paul Mayeda   | 8/17/72-8/16/2027   | Panaewa Farm Lots, Waiakea, S. Hilo           | 2-4-49:06                  | 10.008       | A—Int. Ag.             | 2,900.00      |                                    |
| S-4370    | The Orizaba Co.                                     | 11/17/72-11/16/2037 | Por. Gov't Land of Waiakea, S. Hilo           | 2-4-08:01                  | 5.938        | A—Unclass. ROW         | 51.00         |                                    |
| S-4379    | David DeLuz   | 6/14/73-6/13/2010   | Waiakea Houselots ext., Waiakea, S. Hilo      | 2-2-58:36                  | .895         | U—Com/Ind.             | 7,000.00      |                                    |
| S-4438    | Gasco, Inc.   | 11/01/73-10/31/2038 | Piuhonua, S. Hilo                             | 2-3-15:01 por.             | .033         | U—Unclass. ROW         | 2.46          |                                    |



| GENERAL<br>LEASES<br>Island of<br>Hawaii | Lease<br>No. | Lessee   | Term of<br>Lease      | Location   | Tax Map<br>Key        | Area<br>(Acres) | Classification<br>and Use | Annual<br>Rental |
|--|--------------|--|-----------------------|--|-----------------------|-----------------|---------------------------|------------------|
|  | S-4443       | Hawaii Planing Mill,<br>Ltd.                             | 9/04/75-<br>9/03/2030 | Lot 1-B, Hilo Ind.<br>Dev. Pohaku St.<br>Section, Waiakea, S. Hilo   | 2-2-58:01             | 2.049           | U—Com/Ind.                | 12,000.00        |
|  | S-4445       | Green Point Nurseries,<br>Inc.                           | 9/04/75-<br>9/03/2010 | Lots 12, 13, 14,<br>Panaewa Farm Lots,<br>2nd Ser., Waiakea, S. Hilo | 2-4-49:26, 27<br>& 28 | 30.340          | A—Int. Ag.                | 4,100.00         |
|  | S-4446       | H. Eunice Nursery,<br>Inc.                               | 9/04/75-<br>9/03/2010 | Lot 18, Panaewa<br>Farm Lots, 2nd Ser.,<br>Waiakea, S. Hilo          | 2-4-49:02             | 10.021          | A—Int. Ag.                | 1,200.00         |
|  | S-4447       | Larry T. & Yoshiko<br>Kimura                             | 9/04/75-<br>9/03/2010 | Lot 23, Panaewa<br>Farm Lots, 2nd Ser.,<br>Waiakea, S. Hilo          | 2-4-49:07             | 10.008          | A—Int. Ag.                | 3,100.00         |
|  | S-4448       | Polynesian Orchids,<br>Inc.                              | 9/04/75-<br>9/03/2010 | Lot 22, Volcano<br>Farm Lots, Olaa,<br>Puna                          | 1-9-01:18             | 29.880          | A—Int. Ag.                | 2,800.00         |
|  | S-4450       | Antone C. Vincent &<br>Emily Pauahi Vincent,<br>Trustees | 9/04/75-<br>9/03/2030 | Lot 19, Panaewa<br>Farm Lots, 2nd Ser.,<br>Waiakea                   | 2-4-49:03             | 10.021          | A—Int. Ag.<br>Res.        | 1,100.00         |
|  | S-4453       | Jonathan P. & Mary<br>Nani Spies                         | 9/04/75-<br>9/03/2030 | Lot 24, Panaewa<br>Farm Lots, 2nd Ser.<br>Waiakea                    | 2-4-49:08             | 10.021          | A—Int. Ag.<br>Res.        | 820.00           |
|  | S-4455       | Palms, Inc.  | 9/04/75-<br>9/03/2030 | Lot 26, Panaewa<br>Farm Lots, 2nd Ser.<br>Waiakea                    | 2-4-49:10             | 10.021          | A—Int. Ag.<br>Res.        | 1,700.00         |
|  | S-4456       | Jules J. Gervais, Jr.<br>& Soontaree Gervais             | 9/04/75-<br>9/03/2030 | Lot 28, Panaewa<br>Farm Lots, 2nd Ser.,<br>Waiakea                   | 2-4-49:12             | 6.784           | A—Int. Ag.<br>Res.        | 1,050.00         |
|  | S-4459       | Paul Jerome Balberde                                     | 9/04/75-<br>9/03/2030 | Lot 21, Panaewa<br>House Lots, 2nd Ser.,<br>Waiakea                  | 2-2-56:18             | 2.615           | A—Int. Ag.<br>Res.        | 1,000.00         |
|  | S-4461       | Joseph Gomes   | 9/04/75-<br>9/03/95   | Por. Lot 1-B,<br>Hienaloli St.,<br>N. Kona                           | 7-5-10:16             | 36.310          | A—Pasture                 | 1,850.00         |
|  | S-4463       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Keoniki &<br>Kauniho, Waimea                                 | 6-5-01:10             | 230.000         | A—Pasture                 | 2,365.00         |
|  | S-4464       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Haleaha,<br>Waimea   | 6-5-01:06             | 135.000         | A—Pasture                 | 1,225.00         |
|  | S-4465       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Keanuio-<br>mano & Puuiki, Waimea                            | 6-5-01:20             | 420.000         | A—Pasture                 | 3,480.00         |
|  | S-4466       | Honokaia Ranch, Inc.                                     | 3/01/76-<br>2/28/2011 | Land of Honokaia,<br>Hamakua   | 4-6-11:04 & 05        | 742.497         | A—Pasture                 | 8,100.00         |
|  | S-4467       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Honokaia,<br>Hamakua   | 4-6-11:03             | 739.311         | A—Pasture                 | 7,665.00         |
|  | S-4468       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Honokaia,<br>Hamakua   | 4-6-11:11             | 738.233         | A—Pasture                 | 6,960.00         |
|  | S-4469       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Honokaia,<br>Hamakua   | 4-6-11:12             | 522.000         | A—Pasture                 | 7,095.00         |
|  | S-4470       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Honokaia,<br>Hamakua   | 4-6-11:13             | 500.000         | A—Pasture                 | 6,795.00         |
|  | S-4471       | Richard Smart<br>Revocable Personal Trust                | 3/01/76-<br>2/28/2011 | Land of Kaohe-3,<br>Hamakua  | 4-4-15:02             | 1,738.932       | A—Pasture                 | 4,240.00         |
|  | S-4472       | Ernest & Marian<br>De Luz                                | 3/01/76-<br>2/28/2011 | Land of Hoea-Kaao,<br>Hamakua  | 4-2-08:02             | 1,902.000       | A—Pasture                 | 11,470.00        |
|  | S-4473       | Ernest & Marian De Luz                                   | 3/01/76-<br>2/28/2011 | Land of Kaohe-6,<br>Hamakua  | 4-1-06:07             | 3,110.000       | A—Pasture                 | 10,465.00        |
|  | S-4474       | Richard Smart  | 3/01/76-<br>2/28/2011 | Land of Puu<br>Kawaiwai,<br>Panoluukia & Kapia,<br>S. Kohala         | 6-2-01:03<br>& 05     | 2,978.000       | A—Pasture                 | 10,545.00        |
|  | S-4475       | K. K. Ranch, Inc.  | 3/01/76-<br>2/28/2011 | Land of Kalopa &<br>Kaohe-3, Hamakua                                 | 4-4-14:02 & 03        | 7,282.000       | A—Pasture                 | 28,375.00        |
|  | S-4476       | Freddy Nobriga<br>Enterprises, Inc.                      | 3/01/76-<br>2/28/2011 | Land of Piihonua,<br>S. Hilo   | 2-6-18:01             | 5,995.000       | A—Pasture                 | 14,000.00        |
|  | S-4477       | S. C. Ranch Co., Inc.                                    | 3/01/76-<br>2/28/2011 | Land of Kaohe-2,<br>Hamakua  | 4-3-10:08             | 7,780.000       | A—Pasture                 | 34,735.00        |
|  | S-4478       | Boteilho Hawaii<br>Enterprises, Inc.                     | 3/01/76-<br>2/28/2011 | Land of Kaohe-2,<br>Hamakua  | 4-3-10:02             | 7,932.000       | A—Pasture                 | 33,595.00        |

| Lease No. | Lessee   | Term of Lease       | Location   | Tax Map Key                      | Area (Acres) | Classification and Use | Annual Rental         | GENERAL LEASES<br>Island of Hawaii |
|-----------|--|---------------------|--|----------------------------------|--------------|------------------------|-----------------------|------------------------------------|
| S-4483    | Leslie W. Wishard                                | 1/01/76-12/31/2005  | Lalamilo, S. Kohala                              | 6-6-01:01 & 02                   | .082         | A—Unclass. ROW         | 11.83                 |                                    |
| S-4484    | Donn W. Carlsmith                                | 11/01/75-4/30/2013  | Waiakea & Piihonua, S. Hilo                      | 2-4-08:04<br>2-6-18:01           | 18.852       | C—Unclass. ROW         | 10.00                 |                                    |
| S-4514    | South Pacific Christian Camps, Inc.              | 1/01/76-12/31/2031  | Makapala, N. Kohala                              | 5-2-08:03                        | 4.102        | U—Unclass. Elee.       | 1.00                  |                                    |
| S-4541    | Kansako Farms, Inc.                              | 8/26/76-8/25/2001   | Hakalau-Iki, S. Hilo                             | 2-9-02:47                        | 6.793        | A—Int. Ag. Cane        | 370.00                |                                    |
| S-4542    | Richard A.G. Pintane                             | 8/26/76-8/25/96     | Laupahoehoe, N. Hilo                             | 3-6-01:08                        | 11.790       | A—Pasture              | 77.00                 |                                    |
| S-4545    | Honua Hawaii 2000 Foundation, Inc.               | 12/24/76-12/23/2041 | Waiakea Forest Reserve, Panaewa Reserve, S. Hilo | 2-4-04:por. 01<br>2-4-08:por. 01 | 202.128      | A—Rec.                 | 1.00                  |                                    |
| S-4548    | Alex Jr. & Candice A. Penovaroff                 | 2/10/77-2/09/2032   | Lalamilo Farm Lots, Waimea, S. Kohala            | 6-6-05:21                        | 16.958       | A—Int. Ag. Res.        | 3,100.00              |                                    |
| S-4549    | Blackburn Lee Snow                               | 2/10/77-2/09/2032   | Lalamilo Farm Lots, Waimea, S. Kohala            | 6-6-05:26                        | 35.818       | A—Int. Ag. Res.        | 3,350.00              |                                    |
| (D)S-4552 | County of Hawaii                                 | 11/01/75-10/31/2040 | Waiakea, S. Hilo                                 | 2-4-02:por. 1                    | 1.080        | U—Unclass. ROW         | 1.00                  |                                    |
| (D)S-4553 | Fujiyama Development Corp.                       | 10/07/76-10/06/2041 | Waiakea, S. Hilo                                 | 2-2-31                           | .592         | U—Unclass. ROW         | 650.00                |                                    |
| S-4556    | Island Tropicals                                 | 4/22/71-4/21/2012   | Kaumana, S. Hilo                                 | 2-5-03:21                        | 26.072       | A—Com/Ind.             | 3,200.00              |                                    |
| (D)S-4563 | University of Hawaii                             | 9/24/76-9/23/2041   | Waiakea, S. Hilo                                 | 2-4-01:7 & 41                    | 20.000       | A—Unclass.             | Gratis                |                                    |
| (D)S-4565 | County of Hawaii                                 | 12/08/77-12/07/87   | Keahuolu & Lanihau Nui, N. Kona                  | 7-5-05:70, 71<br>78, por. 7      | 14.082       | U—Unclass.             | Gratis                |                                    |
| S-4566    | YWAM-International Christian Schools             | 7/19/76-7/18/2001   | Holualoa, N. Kona                                | 7-4-06:01por                     | 1.400        | A—Unclass.             | 100.00                |                                    |
| (D)S-4569 | University of Hawaii                             | 6/15/78-6/14/2043   | Waiakea, S. Hilo                                 | 2-4-01:07                        | 13.434       | U—Res.                 | Gratis                |                                    |
| (D)S-4577 | Mauna Ziona Congregational Church                | 6/15/78-6/14/2013   | Kalaoa, N. Kona                                  | 7-3-04:051                       | 1.440        | A—Unclass.             | 100.00                |                                    |
| (D)S-4594 | University of Hawaii                             | 7/18/79-7/17/2044   | Waiakea, S. Hilo                                 | 2-4-01:por. 07                   | 36.088       | U—Unclass.             | Gratis                |                                    |
| S-4595    | Thomas M. Okuna                                  | 1/27/79-1/26/2004   | Waiohinu, Kau                                    | 9-5-03:19<br>9-5-05:02           | 272.790      | A—Pasture              | 2,100.00              |                                    |
| S-4600    | Dillingham Partners                              | 12/29/78-12/28/2043 | Honomalino & Hoopuloa, S. Kona                   | 8-9-01                           | 26.040       | A—Unclass. ROW         | 6,800.00<br>Full Term |                                    |
| (D)S-4601 | Hilo Association to Help Retarded Citizens       | 12/15/78-12/14/2053 | Waiakea, S. Hilo                                 | 2-4-56:02 & 20                   | 1.607        | U—Unclass. Elee.       | 1.00                  |                                    |
| (D)S-4602 | Research Corporation of the University of Hawaii | 6/19/79-6/18/1989   | Kapoho, Puna                                     | 1-4-01:03                        | 4.100        | A—Unclass. Full Term   | 1.00                  |                                    |
| (D)S-4604 | Hilo Association to Help Retarded Citizens       | 7/01/79-6/30/2054   | Lots 128, 129, 130 Kaumana Houselots, S. Hilo    | 2-5-04:02                        | .853         | U—Res.                 | 1.00                  |                                    |
| S-4608    | Brantley Center, Inc.                            | 6/1/77-5/31/2042    |  | 4-5-01:11<br>4-5-01:18           | 1.248        | A—Int. Ag.             | 1.00                  |                                    |
| (D)S-4609 | University of Hawaii                             | 1/1/80-12/31/2035   | Waimea, S. Kohala                                | 6-6-03:7                         | 10.561       | A—Unclass.             | Gratis                |                                    |
| (D)S-4610 | Big Island Housing Foundation                    | 7/1/78-6/30/2053    | Waiakea, S. Hilo                                 | 2-4-56:por. 19                   | 7.159        | U—Res.                 | 1.00                  |                                    |
| S-4614    | Hawaiian Telephone Co.                           | 1/1/77-1/30/2042    | Humuula, N. Hilo                                 | 3-8-01:01                        | .200         | C—Unclass.             | 263.00                |                                    |
| S-4632    | Kualoa Farms, Ltd.                               | 5/1/80-4/30/2015    | Panaewa Farm Lots, Waiakea, S. Hilo              | 2-4-49:32                        | 9.079        | A—Int. Ag.             | 3,700.00              |                                    |
| S-4633    | Jules J. Jr. & Soontaree Gervais                 | 5/1/80-4/30/2015    | Panaewa Farm Lots, Waiakea, S. Hilo              | 2-4-49:por. 19                   | 23.277       | A—Int. Ag.             | 9,500.00              |                                    |
| S-4634    | Donald J. & Carolyn Lee Hunter                   | 5/1/80-4/30/2015    | Panaewa Farm Lots, Waiakea, S. Hilo              | 2-4-49:20                        | 10.243       | A—Int. Ag.             | 6,000.00              |                                    |
| S-4635    | Melchor V. & Avelina V. Ventura                  | 5/1/80-4/30/2015    | Panaewa Farm Lots, Waiakea, S. Hilo              | 2-4-49:21                        | 10.243       | A—Int. Ag.             | 6,500.00              |                                    |



| GENERAL<br>LEASES   | Lease<br>No. | Lessee  | Term of<br>Lease       | Location  | Tax Map<br>Key  | Area<br>(Acres) | Classification<br>and Use           | Annual<br>Rental            |
|---------------------|--------------|---|------------------------|---|-----------------|-----------------|-------------------------------------|-----------------------------|
| Island of<br>Hawaii | S-4636       | Dept. of Agriculture  | 5/1/80-<br>4/30/2015   | Panaewa Farm Lots,<br>Waiakea, S. Hilo              | 2-4-49:22       | 10.243          | A—Int. Ag.                          | 4,000.00                    |
|                     | S-4637       | Panaewa Tropicals, Inc.   | 5/1/80-<br>4/30/2015   | Panaewa Farm Lots,<br>Waiakea, S. Hilo              | 2-4-49:04       | 10.021          | A—Int. Ag.                          | 3,400.00                    |
|                     | S-4638       | Big Island Plant &<br>Foliage, Inc.   | 5/1/80-<br>4/30/2015   | Panaewa Farm Lots,<br>Waiakea, S. Hilo              | 2-4-49:09       | 10.021          | A—Int. Ag.                          | 6,500.00                    |
|                     | S-4639       | Thomas Kasecky  | 5/1/80-<br>4/30/2005   | Kaapahu, Hamakua                                    | 4-4-11:33       | 5.400           | A—Int. Ag.                          | 3,500.00                    |
|                     | S-4640       | Michael G. Mentnech<br>& Charlene F. Lagrimas   | 5/1/80-<br>4/30/2035   | Panaewa Farm Lots,<br>Waiakea, S. Hilo              | 2-4-49:23       | 10.243          | A—Int. Ag.                          | 3,600.00                    |
|                     | S-4642       | Austin F. & Betty F.<br>Keeney  | 5/8/80-<br>5/7/2035    | Olaa, Puna  | 1-8-06:103      | 49.082          | A—Int. Ag.                          | 2,500.00                    |
|                     | S-4662       | James C. Wo   | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 21-12:25        | 1.420           | U—Com/Ind.                          | 29,200.00                   |
|                     | S-4663       | Yamada Transfer, Inc.   | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 2-2-37:94 & 95  | .918            | U—Com/Ind.                          | 27,000.00                   |
|                     | S-4664       | Jack D. Umphrey &<br>John D. Umphrey  | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 2-2-37:97       | .391            | U—Com/Ind.                          | 8,600.00                    |
|                     | S-4665       | H. Harada Contractor,<br>Inc.   | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 2-2-37:98       | 1.019           | U—Com/Ind.                          | 22,500.00                   |
|                     | S-4667       | A.P. Water Supply, Inc.   | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 2-2-58:12 & 13  | .601            | U—Com/Ind.                          | 18,100.00                   |
|                     | S-4668       | Yasuo Kuwaye  | 8/28/80-<br>8/27/2035  | Waiakea, S. Hilo                                    | 2-2-58:39       | .601            | U—Com/Ind.                          | 13,300.00                   |
|                     | S-4670       | Jas. W. Glover, Ltd.  | 2/11/81-<br>2/10/2001  | Waiakea, S. Hilo                                    | 2-1-12:04       | 74.314          | U—Com/Ind.                          | 125,000.00                  |
|                     | (D)S-4673    | U.S. of America<br>Dept. of Transportation<br>Federal Aviation Adm.                             | 12/1/80-<br>11/30/2045 | Humuula, N. Hilo                                    | 3-8-01:por. 1   | .435            | C—Unclass.                          | Gratis                      |
|                     | (D)S-4696    | Hilo Association to<br>Help Retarded Citizens   | 7/1/79-<br>6/30/2054   | Kaumana, S. Hilo                                    | 2-5-04          | .456            | U—Unclass.<br>Roadway               | 1.00<br>Paid—Full Term      |
|                     | S-4698       | Puna Baptist Church<br>Church   | 6/1/80-<br>5/31/2035   | Pahoa Village Lots,<br>Keonepoko Iki,<br>Puna       | 1-5-117:24 & 25 | .689            | U—Unclass.<br>Church                | 1,822.00                    |
|                     | S-4717       | Natural Energy<br>Laboratory of Hawaii  | 11/1/78-<br>10/31/2034 | Keahole Airport,<br>N. Kona                         | 7-3-43:3&4      | 321.800         | U—Unclass.                          | 1.00                        |
|                     | (D)S-4725    | Easter Seal Society<br>of Hawaii  | 7/1/81-<br>6/30/2046   | Piihonua, S. Hilo<br>Children Ctr                   | 2-3-15:por. 1   | 1.000           | U—Unclass.                          | 1.00                        |
|                     | (D)S-4726    | Hawaii County Economic<br>Opportunity Council   | 5/1/81-<br>4/30/2001   | Ponahawai, S. Hilo                                  | 2-5-06:11       | 59.143          | A—Unclass.<br>Agr. Trng.            | 1.00                        |
|                     | S-4786       | Hilo Trading Co., Ltd.  | 3/23/82-<br>3/22/2037  | Waiakea, S. Hilo                                    | 2-1-03:por. 8   | 1.010           | U—Com/Ind.                          | 16,000.00                   |
|                     | S-4787       | Frank G. & Lynn<br>Belcher  | 3/23/82-<br>3/22/2017  | Kau & Nukakaia,<br>Kau                              | 9-4-05:16       | 30.649          | A—Pasture                           | 900.00                      |
|                     | S-4789       | Llewellyn L. Biven &<br>Francine D. Sapla   | 3/23/82-<br>3/22/2017  | Lot 11, Papa<br>Hmstds. Papa 1st,<br>S. Kona        | 8-8-04:11       | 7.210           | A—Int. Ag.                          | 3,325.00                    |
|                     | S-4790       | Fred Soriano  | 3/23/82-<br>3/22/2017  | Lot 10, Papa<br>Hmstds. Papa 1st,<br>S. Kona        | 8-8-04:10       | 7.850           | A—Int. Ag.                          | 3,320.00                    |
|                     | S-4829       | County of Hawaii  | 1/1/82-<br>12/31/2002  | Waiakea, S. Hilo                                    | 2-1-13:por. 2   | 60.000          | U—Unclass.<br>Sanitary<br>Land Fill | Gratis                      |
|                     | S-4830       | Walter F. Weldon, Jr.,<br>Norman L. Kasparson,<br>E.J. Caldecott &<br>James J. Degman, Trustees | 7/31/82-<br>7/30/2007  | Ooma 2, N. Kona                                     | 7-3-09:05       | .951            | U—Unclass.<br>ROW                   | 10,838.00<br>Paid—Full Term |
|                     | S-4854       | University of Hawaii  | 1/1/82<br>12/31/2036   |   | 2-2-56:56       | 110.206         | A—Pasture                           | Gratis                      |
|                     | S-4858       | Joseph F. & Helen D.<br>Pickering   | 9/1/78-<br>8/31/2043   | Lalamilo, Waimea,<br>S. Kohala                      | 6-9-02:por. 9   | .032            | U—Unclass.<br>ROW                   | 5,000.00<br>Paid—Full Term  |
|                     | S-4880       | H-B, Inc.   | 5/13/83-<br>5/12/2023  | Kanakea Fishpond,<br>Waiakea, S. Hilo               | 2-1-06:10       | .008            | U—Unclass.<br>Easement              | 2,168.00                    |
|                     | (D)S-4881    | County of Hawaii  | 5/13/83-<br>5/12/2023  | Former Pepekeo<br>School Lot,<br>Kulaimano, S. Hilo | 2-8-06:12       | 4.900           | U—Rec.                              | Gratis                      |

| Lease No. | Lessee                                       | Term of Lease      | Location   | Tax Map Key             | Area (Acres) | Classification and Use    | Annual Rental | GENERAL LEASES<br>Island of Hawaii |
|-----------|--|--------------------|--|-------------------------|--------------|---------------------------|---------------|------------------------------------|
| (D)S-4915 | United States Postal Service                 | 2/20/84-2/19/2039  | Manowaiapae, N. Hilo                             | 3-6-09:32 & 33          | .230         | U—Unclass. Post Office    | 1,200.00      |                                    |
| S-4920    | Hamakua Associates of Farmers                | 12/1/84-11/30/2004 | Paalaea Land 2, Hamakua                          | 4-5-01:11&12            | .441         | A—Int. Ag.                | 1.00          |                                    |
| S-4950    | Boteilho Hawaii Enterprises, Inc.            | 4/1/85-3/31/2020   | Opihipap & Hukiaa, N. Kohala                     | 5-5-06:02,03, 04 and 15 | 597.406      | A—Pasture                 | 21,000.00     |                                    |
| S-4952    | Yotsuo Fuke Sakae Fuke                       | 1/1/85-12/31/2049  | Waiakea, S. Hilo                                 | 2-4-56:14               | .099         | U—Unclass. Paid—Full Term | 2,100.00      |                                    |
| S-4954    | Pacific Paradise, Inc.                       | 4/11/85-4/10/2020  | Kaimu-Makena Hmstds., Puna                       | 1-2-06:07, 15, 16, & 18 | 655.000      | A—Int. Ag.                | 7,425.00      |                                    |
| S-4955    | Pacific Paradise, Inc.                       | 4/11/85-4/10/2020  | Kaimu-Makena Hmstds., Puna                       | 1-2-06:19, 20           | 816.000      | A—Int. Ag.                | 4,050.00      |                                    |
| S-4956    | Antonio Makaena Akiu                         | 7/22/85-7/21/2050  | Lot 1, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .175         | C—Res.                    | 132.00        |                                    |
| S-4957    | Steven Kepano Kuahuia                        | 7/22/85-7/21/2050  | Lot 2, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4958    | Pacita Billings                              | 7/22/85-7/21/2050  | Lot 3, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4959    | Myrah Malaea Kamaka                          | 7/22/85-7/21/2050  | Lot 4, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4960    | Leilani Maulili Kahele                       | 7/22/85-7/21/2050  | Lot 5, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4961    | Dora K. Halena                               | 7/22/85-7/21/2050  | Lot 6, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4962    | Robelto Kaleianuinui Martines                | 7/22/85-7/21/2050  | Lot 7, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4963    | Amoe Casuga                                  | 7/22/85-7/21/2050  | Lot 8, Milolii Hoopuloa Lots, Hoopuloa, S. Kona  | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4964    | Able Pepe Kahele                             | 7/22/85-7/21/2050  | Lot 10, Milolii Hoopuloa Lots, Hoopuloa, S. Kona | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4965    | Raymond Kukulu Kuahuia, Sr.                  | 7/22/85-7/21/2050  | Lot 11, Milolii Hoopuloa Lots, Hoopuloa, S. Kona | 8-9-04:22 por.          | .110         | C—Res.                    | 132.00        |                                    |
| S-4966    | Delfrado J. Leanes, Jr.                      | 7/22/85-7/21/2050  | Lot 13, Milolii Hoopuloa Lots, Hoopuloa, S. Kona | 8-9-04:22 por.          | .180         | C—Res.                    | 132.00        |                                    |
| S-4967    | Eugene Holualoa Chang                        | 7/22/85-7/21/2050  | Lot 16, Milolii Hoopuloa Lots, Hoopuloa, S. Kona | 8-9-04:22 por.          | .230         | C—Res.                    | 132.00        |                                    |
| S-5000    | Billo Michael Comola & Ann Sutherland        | 3/31/67-3/30/2032  | Por. Govt Land Waimea, S. Kohala                 | 6-5-04:por. 15          | .012         | U—Unclass. ROW            | 13.00         |                                    |
| S-5001    | K. Kobata & Sons                             | 3/31/67-3/30/2022  | Waiakea, S. Hilo                                 | 2-2-32:10               | .988         | U—Com/Ind.                | 27,894.00     |                                    |
| S-5003    | Francis C. De Morales                        | 3/31/67-3/30/92    | Waiakea Hmstds., S. Hilo                         | 2-4-06:12<br>2-4-07:37  | 68.670       | A—Pasture                 | 330.00        |                                    |
| S-5004    | Sueichi & Yoshiko Kawashima                  | 3/31/67-3/30/92    | Paauilo, Hamakua                                 | 4-3-15:10               | 3.040        | A—Int. Ag.                | 121.00        |                                    |
| S-5005    | Puna Certified Nursery, Inc.                 | 3/31/67-3/30/2002  | Keonepoko-Nui, Puna                              | 1-5-08:05               | 5.000        | A—Int. Ag.                | 576.00        |                                    |
| S-5015    | Motoshi Sako                                 | 5/19/67-5/18/2002  | Por. Gov't. Land of Olaa, Puna                   | 1-7-01:63               | .466         | U—Com/Ind.                | 485.00        |                                    |
| S-5017    | Dorothy E. Nishie & Grace M. Shima, Trustees | 5/19/67-5/18/2032  | por. Lalamilo, Waimea, S. Kohala                 | 6-6-04:76               | .033         | U—Unclass. ROW            | 28.00         |                                    |
| S-5018    | Bayview Banyan Corp.                         | 5/19/67-5/18/2032  | Ocean View Lots, Waiakea, S. Hilo                | 2-1-05:21 & 31          | 1.090        | U—Com/Ind.                | 10,600.00     |                                    |



GENERAL  
LEASES  
Island of  
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| Lease<br>No. | Lessee                 | Term of<br>Lease        | Location  | Tax Map<br>Key | Area<br>(Acres)  | Classification<br>and Use                     | Annual<br>Rental                      |
|--------------|------------------------|-------------------------|---|----------------|--|---|---------------------------------------|
| S-5020       | Richard Smart          | 5/19/67-<br>5/18/92     | Awalua-Haena Gov't.<br>Tract, N. Kohala         | 5-6-01:01      | 185.550<br>8.800<br>14.480<br>22.250<br><u>231.080</u> | A—Int. Ag.<br>Cane<br>ROW<br>Waste<br>Pasture | 1,856.00<br><br><br>67.00<br>1,923.00 |
| S-5128       | Walter H. Paulo        | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 1  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5129       | Ben Casuga             | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 2  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5130       | Madeline M.K. Paulo    | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 3  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5131       | Shonna R.N.K. Taetuna  | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 4  | 8-9-04:Por. 7  | .243   | C—Res.  | 132.00                                |
| S-5132       | Pearline L.K. Casuga   | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 5  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5133       | Jack T. Casuga, Jr.    | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 6  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5134       | Jessica L. Lopez       | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 7  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5135       | Basil Kuna             | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 8  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5136       | Yvonne L. Teves        | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 9  | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5137       | Raymond K.Kuahuia, Jr. | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 10 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5138       | Mildred L.K. Casuga    | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 11 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5139       | Alice W.K. Gouveia     | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 12 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5140       | Samuel W. Grace        | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 13 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5141       | Mary K. Crivello       | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 14 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5142       | Cynthia L.K. Baeza     | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 15 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5143       | Levi H. Kaupu          | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 16 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5144       | Samuel Keoni Grace     | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 17 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5145       | Elizabeth K.K. Taetuna | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 18 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5146       | Charles C. Grace       | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 19 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5147       | Mabel K.K. Kahiwa      | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 20 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |
| S-5148       | Rebecca K. Vicente     | 12/31/86-<br>12/30/2051 | Milolii-Hoopuloa<br>Houselots, Ph. II<br>Lot 21 | 8-9-04:Por. 7  | .229   | C—Res.  | 132.00                                |

| Lease No. | Lessee                                 | Term of Lease       | Location  | Tax Map Key         | Area (Acres) | Classification and Use | Annual Rental |
|-----------|--|---------------------|---|---------------------|--------------|------------------------|---------------|
| S-5151    | Louis M. Paulo, Sr.                    | 12/31/86-12/30/2051 | Milolii-Hoopulua Houselots, Ph. I Lot 12            | 8-9-04:Por. 7 & 22  | .429         | C—Res.                 | 132.00        |
| S-5152    | Hawaii Conference Foundation           | 10/10/86-10/09/2011 | Holualoa 1st & 2nd N. Kona, HI                      | 7-6-16:13           | 1.048        | U—Unclass.             | 132.00        |
| S-5156    | County of Hawaii Parks & Recreation    | 03/01/87-02/28/2027 | Keahuolu & Lanihau-Nui N. Kona, HI Por. EO 2876     | 7-5-05:83 & Por. 07 | 34.848       | U—Rec.                 | Gratis        |
| S-5162    | Mauna Lani Resort, Inc.                | 07/24/87-07/23/2042 | Lalamilo, Waimea, S. Kohala                         | 6-9-01:15           | 230.067      | C—Rec./Comm.           | 25,000.00     |
| S-5170    | Gasco, Inc.                            | 10/01/84-9/30/2039  | Piihonua, S. Hilo                                   | 2-3-26:Por. 9       | .128         | U—Res.                 | 1,600.00      |
| S-5181    | Hilo Association for Retarded Citizens | 4/01/89-12/30/2051  | Waiakea, S. Hilo                                    | 2-4-56:2            | 2.607        | U—Unclass.             | 1.00          |
| S-5186    | Jack D. Umphrey & John D. Umphrey      | 5/19/89-5/18/2044   | Waiakea Houselots, Lot 2, Blk. 40, Waiakea, S. Hilo | 2-2-37:96           | .312         | U—Com/Ind.             | 19,500.00     |
| S-5187    | Texaco Refining and Marketing, Inc.    | 5/19/89-5/18/2044   | Waiakea, S. Hilo                                    | 2-1-09:42           | 2.660        | U—Com/Ind.             | 49,400.00     |
| S-5188    | Lanihau Partners, LP                   | 5/19/89-5/18/2044   | Auhaukeae, N. Kona N. Kona, HI                      | 7-5-09:43           | .338         | U—Com/Ind.             | 13,800.00     |
| S-5189    | Fishing Island, Inc.                   | 12/01/88-12/30/2028 | Offshore Waters Kailua, Kona                        | 7-4-                | .002         | C—Unclass. Mooring     | 264.00        |

GENERAL  
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Summary of General Leases/Second Land District – Island of Maui

Fiscal Year 1989-90

| Use <sup>1</sup>               | Area (Acres) | Annual Rental | No. of Leases <sup>2</sup> |
|--------------------------------|--------------|---------------|----------------------------|
| Intensive agriculture use      | 5,840.612    | \$217,423.69  | 19                         |
| Special livestock use          | —            | —             | —                          |
| Pasture use                    | 1,764.818    | 12,902.00     | 13                         |
| Commercial timber use          | —            | —             | —                          |
| Quarry use                     | 45.957       | 12,645.00     | 1                          |
| Mining use                     | 14.000       | 132.00        | 1                          |
| Recreational use               | 56.692       | 280.00        | 3                          |
| Watershed use                  | 78.000       | 75.00         | 2                          |
| Res. use                       | 7.900        | 3,750.00      | 4                          |
| Commercial and industrial use  | 112.208      | 25,970.00     | 5                          |
| Hotel, apartment and motel use | 1.336        | 33,700.00     | 2                          |
| Resort use                     | —            | —             | —                          |
| Unclass. uses                  | 46.956       | 56,670.18     | 29                         |
| TOTALS                         | 7,975.479    | \$358,547.87  | 79                         |

<sup>1</sup>The following Land Use Commission classification is used throughout: A – Agriculture  
C – Conservation  
R – Rural  
U – Urban

<sup>2</sup>Leases awarded directly are preceded by "D". All others are awarded by public auction.

GENERAL LEASES

Island of Maui

Fiscal Year 1989-90

| Lease No. | Lessee                            | Term of Lease       | Location                                | Tax Map Key                         | Area (Acres)                                    | Classification and Use                                 | Annual Rental |
|-----------|-----------------------------------|---------------------|---|-------------------------------------|---|--|---------------|
| S-3588    | Pioneer Mill Co., Ltd.            | 1/01/60-12/31/89    | Honokowai, Lahaina                      | 4-4-02:03, 08<br>11 & 4-4-04:02, 06 | 434.030<br>22.818<br>156.360<br>.403<br>646.732 | A—Int. Ag<br>Contributory<br>Pasture<br>Waste<br>Other | 11,555.54     |
| S-3637    | Marion R. & Emma Lou Rogers       | 4/14/61-4/13/91     | Kawaipapa, Inc.<br>Loko Waiohonu, Hana  | 1-3-07:25                           | .600  | R—Res.   | 400.00        |
| (D)S-3749 | U.S.A. Corps of Engineers (Army)  | 4/19/63-4/18/2028   | Papaanui, Makawao (Honuaula)            | 2-2-07:11                           | 4.450   | C—Unclass. Fed.  | Gratis        |
| S-3817    | Maui Young Men's Christian Assoc. | 11/24/64-11/23/2019 | Keanae, Hana (Koolau)                   | 1-1-02:09                           | 7.742   | A—Rec.   | 150.00        |
| S-3857    | Coila I. Eade                     | 8/17/64-8/16/99     | Between Hana Hwy. & Sea, Papaahau, Hana | 1-4-03:01                           | 5.200   | A—Res. & C—Pasture                                     | 1,530.00      |
| (D)S-3918 | University of Hawaii              | 5/28/65-5/27/2030   | Kealahou 1 & 2, Waiakoa, Makawao, Kula  | 2-2-11:33                           | 20.674  | A—Int. Ag.   | Gratis        |
| S-4016    | Zen at Hana Ranch, Inc.           | 10/17/66-10/16/2001 | Por. Kawaipapa & Wakiu, Hana            | 1-3-04:06 & 20                      | 421.170   | A—Int. Ag.   | 1,500.00      |
| (D)S-4028 | Hawaiian Telephone Co.            | 7/01/66-6/30/2031   | Papaanui, Makawao (Honuaula)            | 2-2-07:12                           | .262  | C—Com/Ind.   | 300.00        |
| S-4112    | Seaside Developers                | 9/25/67-9/24/2032   | Kamaole, Wailuku & 61                   | 3-9-04:Por. 01                      | .400  | U—Unclass. ROW   | 150.00        |
| S-4195    | Flag Resort Apartments, Inc.      | 4/22/68-4/21/2033   | Kamaole (Kula)                          | 3-9-05:46                           | .217  | U—Hotel/Apt.   | 6,700.00      |
| S-4197    | Alexander & Baldwin, Inc.         | 7/01/68-6/30/2003   | Pulehunui & Waikapu, Wailuku            | 3-8-08:01 & 08                      | 1,207.489<br>296.415<br>367.519<br>1,871.423    | A—Int. Ag.<br>Contributory<br>Waste                    | 84,600.00     |

| Lease No. | Lessee   | Term of Lease       | Location  | Tax Map Key             | Area (Acres)  | Classification and Use                      | Annual Rental            | GENERAL LEASES<br>Island of Maui |
|-----------|--|---------------------|---|-------------------------|---|---|--------------------------|----------------------------------|
| S-4209    | Charles & Mary Kong                                    | 10-03/68-10/02/2023 | Kearnae Hmstds., Kearnae, Hana (Koolau)                       | 1-1-03:70               | 1.100   | A—Res. & C—Int. Ag.                         | 1,070.00                 |                                  |
| S-4210    | Herbert Aronson  | 10/03/68-10/02/2023 | Kearnae, Hana (Koolau)  | 1-1-03:59               | .970  | A—Int. Ag. Res.                             | 350.00                   |                                  |
| S-4212    | Island Investment, Ltd                                 | 9/04/68-9/03/2033   | Kamaole, Wailuku  | 3-9-04:29               | 1.119   | U—Hotel/Apt.                                | 27,000.00                |                                  |
| S-4229    | Pioneer Mill Co., Ltd.                                 | 2/25/69-2/24/94     | Wahikuli, Lahaina (Kaanapali)                                 | 4-5-21:03, & 04 Por. 10 | 1,088.642<br>138.590<br>228.283<br>335.810<br>1,791.325 | A—Int. Ag. Cane Contributory Waste, Pasture | 88,462.00                |                                  |
| S-4231    | Paul T. & Bernice H. Otani                             | 2/25/69-2/24/94     | Omaopio, Kula   | 2-3-03:06               | 13.140  | A—Int. Ag.                                  | 1,132.00                 |                                  |
| S-4232    | Frank T. Pacheco                                       | 2/25/69-2/24/94     | Puolua, Makawao (Hamakualoa)                                  | 2-9-06:07 & 08          | 10.560  | A—Pasture                                   | 86.00                    |                                  |
| S-4241    | Neal Tokuhisa  | 6/05/69-6/04/94     | Hamakualoa, Makawao   | 2-9-06:21, 22 & 23      | 53.330  | A—Pasture                                   | 600.00                   |                                  |
| S-4242    | Barney Silva   | 6/05/69-6/04/94     | Honokala, Hamakualoa  | 2-9-05:20 & 32          | 28.420  | A—Pasture                                   | 355.00                   |                                  |
| S-4269    | Puaahala Enterprises                                   | 11/08/69-11/07/2034 | Submerged Lands fronting Ahupuaas, Puuhala & Kaamola, Molokai | 5-6-05:35               | 108.137   | C—Com/Ind.                                  | 8,500.00                 |                                  |
| S-4271    | Lahaina Hongwanji Mission                              | 11/24/69-11/23/2034 | Por. Former Lot 21-A Mokuhinia Pond, Wainee, Lahaina          | 4-6-07:41               | .083  | U—Unclass. Elee.                            | 225.00                   |                                  |
| S-4272    | Michael Paul Milner                                    | 11/24/69-11/23/2024 | Por. Former Old Kuiaha School Lot, Makawao                    | 2-7-08:15               | 1.840   | A—Int. Ag. Res.                             | 300.00                   |                                  |
| S-4273    | Amfac, Inc.  | 11/24/69-11/23/2034 | Offshore Waters of Hanakao, Lahaina                           | 4-4-06                  | .130  | C—Unclass. ROW                              | 141.00<br>Paid—Full Term |                                  |
| S-4325    | Charles S. Ota   | 12/22/70-12/21/95   | Keokea (Kula)   | 2-2-04:01, 02, 29 & 66  | 206.010   | A—Pasture                                   | 5,500.00                 |                                  |
| S-4327    | Harry & Rosalina Anita Hasegawa                        | 11/23/70-11/22/2025 | Hamo, Hana  | 1-4-08:13               | 1.000   | R—Res.                                      | 750.00                   |                                  |
| S-4328    | Anthony A. & Anna K. Tam                               | 11/23/70-11/22/95   | Wailua-Nui, Hana  | 1-1-08:05               | 120.970   | A—Pasture & C                               | 405.00                   |                                  |
| S-4340    | Akea Farms, Inc.                                       | 7/22/71-7/21/2006   | Molokai Farm Lots, Hoolehua, Apana 2                          | 5-2-01:09               | 205.000   | A—Int. Ag.                                  | 2,400.00                 |                                  |
| S-4345    | Edward Wendt   | 7/22/71-7/21/91     | Wailua Hmstds., Hana (Koolau)                                 | 1-1-05:22               | .770  | A—Int. Ag.                                  | 35.00                    |                                  |
| S-4348    | Samuel Akina   | 7/22/71-7/21/91     | Wailua Hmstds., Hana (Koolau)                                 | 1-1-06:43               | .400  | A—Int. Ag.                                  | 30.00                    |                                  |
| S-4349    | Joseph J. Day  | 7/22/71-7/21/91     | Wailua Hmstds., Hana (Koolau)                                 | 1-1-06:38               | .850  | A—Int. Ag.                                  | 35.00                    |                                  |
| S-4350    | William H.D. & Anna M. King                            | 7/22/71-7/21/2026   | Ualapue, Kona, Molokai  | 5-6-02:01               | 2.100   | U—Int. Ag. Res.                             | 1,600.00                 |                                  |
| (D)S-4372 | U.S. Dept. of Agriculture, Soil Conservation Service   | 1/01/73-12/31/98    | Par. A-1, Molokai Farm Lots, Palaau-Apana 2                   | 5-2-01:07               | 81.181  | A—Int. Ag.                                  | Gratis                   |                                  |
| S-4373    | William C. & Heather M. Cole                           | 4/12/73-4/11/2028   | Kealahou 3 & 4, Makawao (Kula)                                | 2-3-37:por. 11          | .091  | R—Unclass. ROW                              | 273.00<br>Paid—Full Term |                                  |
| S-4374    | Virginia & Mark Stephen Cundiff                        | 4/12/73-4/11/2028   | Honokala, Hamakualoa, Makawao                                 | 2-9-05:por. 20          | .064  | A—Unclass. ROW                              | 17.00<br>Paid—Full Term  |                                  |
| S-4375    | Assn. of Owners of Mana-Kai, Maui & Seaside Developers | 4/12/73-9/24/2032   | Kamaole, Wailuku (Kula)                                       | 3-9-04:por. 01 & 61     | .107  | U—Unclass. ROW                              | 300.00<br>Paid-Full Term |                                  |
| S-4377    | Richard Tam Sing                                       | 5/11/73-5/10/93     | Kaakakai Gulch, Kohoilo, Makawao (Kula)                       | 2-3-07:15               | 14.100  | A—Pasture                                   | 330.00                   |                                  |



GENERAL  
LEASES  
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Maui

| Lease No. | Lessee   | Term of Lease  | Location   | Tax Map Key   | Area (Acres)  | Classification and Use   | Annual Rental  |
|-----------|--|--|--|---|---|--|--|
| (D)S-4433 | County of Maui<br><br>(Sublessees)<br>William Pheil<br>Grant Schule<br>Joe Kennedy<br>Seizen Bonk<br>Funk Seeds International<br>Hawaiian Research, Ltd. | 6/14/74-<br>6/13/2009<br><br>8/01/82-<br>11/30/2008<br>8/01/82-<br>11/30/2008<br>10/01/82-<br>11/30/2008<br>12/01/82-<br>11/30/2008<br>11/01/84-<br>10/31/2008<br>10/01/77-<br>9/30/2007 | Palaau & Hoolehua,<br>Molokai<br><br>Palaau & Hoolehua,<br>Molokai<br>Palaau & Hoolehua,<br>Molokai<br>Palaau & Hoolehua,<br>Molokai<br>Palaau & Hoolehua,<br>Molokai<br>Palaau & Hoolehua,<br>Molokai | 5-2-01:02<br>5-2-04:16<br><br>5-2-01:16<br>5-2-01:13<br>5-2-01:11<br>5-2-01:01<br>5-2-01:28<br>5-2-01:12 & 14 | 772.242<br><br>(26.890)<br>(26.890)<br>(25.304)<br>(25.890)<br>(49.147)<br>(66.160) | A—Int. Ag.<br><br>A—Int. Ag.<br>A—Int. Ag.<br>A—Int. Ag.<br>A—Int. Ag.<br>A—Int. Ag. | Gratis<br><br>1,613.00<br>1,679.00<br>1,518.00<br>1,553.00<br>2,949.00<br>3,970.00 |
| (D)S-4437 | U.S. Postal Service  | 10/01/76-<br>9/30/2031   | Kealahou 3 & 4,<br>Makawao (Kula)  | 2-3-02:01   | .989  | A—Com/Ind.<br>P.O.   | 720.00   |
| S-4439    | American Trust Co.<br>of Hawaii, Inc.  | 6/24/75-<br>6/23/2030  | Kamaole, Wailuku<br>(Kula)   | 3-9-04:por. 61  | .103  | U—Unclass.<br>ROW Paid—Full Term   | 2,175.00   |
| S-4441    | Maui Kamaole<br>Enterprises II   | 6/24/75-<br>6/23/2030  | Kamaole, Kihei   | 3-9-04:por. 61  | .087  | U—Unclass.<br>ROW Paid—Full Term   | 2,887.50   |
| S-4442    | Assn. of Owners of<br>Kihei Surfside   | 6/24/75-<br>6/23/2032  | Easement 1, 2 & 3,<br>Kamaole, Wailuku<br>(Kula)   | 3-9-04:por. 01<br>& 61  | .408  | U—Unclass.<br>ROW Paid—Full Term   | 14,935.00  |
| S-4516    | Comteck-WHCV<br>(ARSBAND PARTNERS)   | 1/26/73-<br>1/25/93  | Kolekole Hill of<br>Mt. Haleakala,<br>Papaaui, Makawao,<br>Kula  | 2-2-07:08   | .025  | C—Unclass.<br>ROW Paid—Full Term   | 10.00  |
| (D)S-4518 | County of Maui,<br>Dept. of Water Supply   | 9/26/75-<br>9/25/95  | Por. Kahului<br>Airport, Kahului   | 3-8-01:75   | 2.922   | U—Unclass.   | Gratis   |
| S-4519    | Sylvia Senter  | 7/08/76-<br>7/07/2031  | Former Kaupakulua<br>School Lot, West<br>Kaupakulua,<br>Makawao (Hamakualoa)   | 2-7-15:26   | 1.905   | A—Int. Ag.<br>Res.   | 2,110.00   |
| S-4520    | Donald N. Gard, Robert<br>A. & Francine S. Frost   | 9/01/76-<br>8/31/2001  | Old School Lot at<br>Kaeleku & Wakiu,<br>Hana  | 1-3-04:15   | 4.000   | A—Int. Ag.   | 360.00   |
| S-4521    | William F. Butzine   | 9/01/76-<br>8/31/2001  | Lot 29-0, Nahiku<br>Hmstds., Nahiku,<br>Hana   | 1-2-02:01   | 7.200   | A—Int. Ag.   | 540.00   |
| S-4523    | Pioneer Mill Co., Ltd.   | 7/08/76-<br>12/31/89   | Honokowai, Lahaina   | 4-4-02:09   | 4.690   | A—Int. Ag.   | 91.15  |
| S-4524    | Hazel Oliveira dba<br>H & E Ranch<br>dba H & E Ranch   | 9/01/76-<br>8/31/2001  | Kawaipapa & Wakiu,<br>Hana   | 1-3-06:07   | 407.000   | A—Pasture<br>& C   | 825.00   |
| S-4529    | Rounds & Porter<br>Lumber Co., Inc.  | 9/01/76-<br>8/31/2001  | Gov't Land of<br>Kipahulu, Hana  | 1-6-05:21, 22 &<br>27; 1-6-08:02 & 04   | 76.888  | A—Pasture  | 500.00   |
| S-4530    | Kaupo Ranch, Ltd.  | 9/01/76-<br>8/31/2001  | Kaupo, Hana  | 1-7-01:13, 14,<br>21, 23, 25, 31<br>& 33; 1-7-02:32;<br>1-7-03:32   | 307.880   | A—Pasture<br>& C   | 615.00   |
| S-4531    | Kaupo Ranch, Ltd.  | 9/01/76-<br>8/31/2001  | Kaupo, Hana  | 1-7-03:24 & 27  | 78.890  | A—Pasture<br>& C   | 495.00   |
| S-4532    | Charles S. Ota dba<br>Landmark Ranch   | 9/01/76-<br>8/31/2001  | Waiohuli-Keokea,<br>Makawao  | 2-2-04:31   | 139.280   | A—Pasture  | 1,046.00   |
| S-4533    | Charles S. Ota dba<br>Landmark Ranch   | 9/01/76-<br>8/31/2001  | Waiohuli-Keokea,<br>Makawao  | 2-2-05:47 & 53  | 242.390   | A—Pasture  | 1,835.00   |
| S-4535    | Murray Hunter  | 9/01/76-<br>8/31/2001  | Hamakualoa,<br>Makawao   | 2-9-13:14   | 79.100  | A—Pasture  | 310.00   |
| S-4538    | Railroads of Hawaii dba<br>Lahaina Kaanapali &<br>Pacific Railroad Co.   | 7/08/76-<br>7/07/2016  | Parcels 1, 2, 3<br>4 & 5, Kapunakea 1<br>& Wahikuli, Lahaina   | 4-5-14:77<br>4-5-21:11<br>4-5-17:49<br>4-5-30:138   | 4.212   | U—Unclass.<br>ROW  | 1,390.00   |
| (D)S-4540 | County of Maui, Dept.<br>of Water Supply   | 3/10/78-<br>3/09/2043  | Kalialinui,<br>Makawao (Kula)  | 2-3-06:06   | 14.150  | A—Unclass.<br>Reservoir/<br>Accessory  | Gratis   |

| Lease No. | Lessee   | Term of Lease        | Location   | Tax Map Key                     | Area (Acres) | Classification and Use               | Annual Rental          | GENERAL LEASES<br>Island of Maui |
|-----------|--|----------------------|--|---------------------------------|--------------|--------------------------------------|------------------------|----------------------------------|
| (D)S-4544 | The Episcopal Church in Hawaii                                       | 5/24/74-5/23/2039    | Waiohuli, Wailuku (Kula)                         | 3-9-01:12                       | 3.000        | U—Unclass. Elee.                     | 180.00                 |                                  |
| S-4562    | Daniel & Patricia M. Omer  | 7/01/77-6/30/2042    | Wakiu, Hana                                      | 1-3-04:06, 11 & 20              | .805         | A—Unclass. ROW Paid—Full Term        | 1,270.00               |                                  |
| S-4567    | Honofed Corp.  | 1/02/74-1/01/2029    | Kahului  | 3-7-02:por. 04 & 22             | .292         | U—Unclass. ROW Paid—Full Term        | 2,933.00               |                                  |
| (D)S-4570 | Haleakala School   | 11/07/77-10/31/2042  | Kealahou, Kula                                   | 2-3-37:11                       | 2.399        | R—Unclass. Elee. Paid—Full Term      | 100.00                 |                                  |
| S-4583    | Amfac, Inc.  | 3/28/78-3/27/98      | Honokowai Valley, Lahaina                        | 4-4-07:05 por.                  | 4.267        | A—Unclass. ROW Paid—Full Term        | 141.00                 |                                  |
| S-4593    | Gregory P. & Masako Westcott   | 10/01/78-9/30/2043   | Mokupapa, Hamakualoa, Makawao                    | 2-9-06:21 & 25<br>2-9-14:11     | .541         | A—Unclass. & C ROW Paid—Full Term    | 426.68                 |                                  |
| (D)S-4599 | U.S. Postal Service  | 3/23/79-3/22/2034    | Honoapiilani Hwy. (East Side), Wahikuli, Lahaina | 4-5-21:14                       | 2.813        | U—Com/Ind. P.O.                      | 15,750.00              |                                  |
| S-4613    | John D. Dale, David G. Knotter & Larry Carlson & Jean Machida Egusa  | 11/28/75-11/27/2030  | Honouliwai, Molokai                              | 5-8-03:6 & 12                   | .155         | A—Unclass. ROW Paid—Full Term        | 87.00                  |                                  |
| S-4660    | Aina O Kipahulu Assn.  | 10/30/79-10/29/2044  | Kaumakani & Puaaluu, Kipahulu, Hana              | 1-5-11:por. 7<br>1-6-02:por. 9  | 39.000       | A—Watershed & C Water License        | 32.00                  |                                  |
| S-4661    | Hana Ranch, Inc.   | 10/30/79-10/29/2044  | Kaumakani & Puaaluu, Kipahulu, Hana              | 1-5-11:por. 7<br>1-6-02:por. 9  | 39.000       | A—Watershed & C Water License        | 43.00                  |                                  |
| (D)S-4828 | Maui Young Men's Christian Assoc.                                    | 11/24/81-11/23/2019  | Portion of Govt Crown Land of Keanae, Koolau     | 1-1-02:08                       | 1.270        | A—Rec.                               | 10.00                  |                                  |
| (D)S-4857 | Maui County Council, Inc., BSA                                       | 7/01/83<br>6/30/2038 | Kahakuloa Hmstds., Kahakulo, Wailuku             | 3-1-01:29                       | 47.680       | A—Youth Activities                   | 120.00                 |                                  |
| (D)S-4936 | U.S.A, Federal Aviation Agency                                       | 7/1/84-6/30/2004     | Kealalaloa, Ukumehame                            | 3-6-01:08                       | 1.204        | C—Unclass. (Federal)                 | Gratis                 |                                  |
| S-5011    | Leigh-Wai Doo  | 5/23/67-5/22/2032    | Honouliwai                                       | 5-8-03:por. 12                  | .176         | A—Unclass. ROW                       | 28.00                  |                                  |
| S-5124    | A.D. Furtado Properties  | 7/11/85<br>7/10/2005 | Paunau, Lahaina                                  | 4-6-01:adj parcels 05 & 06      | .044         | U—Unclass. Easement                  | 900.00                 |                                  |
| (D)S-5127 | County of Maui Dept. of Water Supply                                 | 5/27/87-5/26/2052    | Por. Lahainaluna High School, Lahaina            | 4-6-18:por. 5                   | 2.070        | A—Unclass. Water Tank Paid—Full Term | 1.00                   |                                  |
| (D)S-5155 | County of Maui   | 6/01/87<br>5/31/2052 | Lower Honokawai, Lahaina                         | 4-4-01:por. 36 & 4-4-02:por. 37 | 4.020        | A—Unclass. Parking                   | 19,000.00              |                                  |
| S-5161    | Railroads of Hawaii dba Lahaina Kaanapali & Pacific Railroad Co.     | 1/08/88-7/07/2016    | Koholilela, Lahaina                              | 4-5-07:7                        | .022         | U—Unclass. ROW                       | 400.00                 |                                  |
| S-5176    | Donald L. Roberts, Penelope Susan Lutz, Arthur Lee & Robin Jehle Lee | 6/01/86-5/31/2051    | Hanawana West, Makawao                           | 2-9-10:por.<br>2-9-11:por.      | .700         | U—Unclass. Easement Paid—Full Term   | 700.00                 |                                  |
| S-5182    | Lahaina Yacht Club   | 2/12/88<br>2/11/2008 | Lahaina  | 4-5-01:adj parcel 05            | .029         | C—Unclass. Mooring                   | 3,000.00               |                                  |
| S-5183    | Nittaku Investment, Inc.   | 5/01/88<br>7/10/2005 | Lahaina  | 4-5-01:adj parcels 05 & 06      | .007         | C—Com/ind.                           | 700.00                 |                                  |
| LLS-291   | Allied Hauling, Inc.   | 10/16/53<br>10/15/93 | Pulehunui, Wailuku                               | 3-8-08:por. 1                   | 45.957       | A—Quarry                             | 12,645.00 plus royalty |                                  |
| LLS-300   | Hana Equipment, Co., Ltd.  | 8/27/84<br>8/26/94   | Kawaipapa, Hana                                  | 1-3-06:por. 7                   | 14.000       | A—Mining                             | 132.00 plus royalty    |                                  |



## Summary of General Leases/Third Land District – Island of Oahu

Fiscal Year 1989-90

| Use <sup>1</sup>               | Area (Acres) | Annual Rental  | No. of Leases <sup>2</sup> |
|--------------------------------|--------------|----------------|----------------------------|
| Intensive agriculture use      | 1,401.461    | \$230,856.00   | 64                         |
| Special livestock use          | —            | —              | —                          |
| Pasture use                    | 427.720      | 3,056.00       | 3                          |
| Commercial timber use          | —            | —              | —                          |
| Quarry use                     | —            | —              | —                          |
| Mining use                     | —            | —              | —                          |
| Recreational use               | 71.123       | 12,302.00      | 5                          |
| Watershed use                  | 1,534.500    | 32,600.00      | 1                          |
| Res. use                       | 25.006       | 3,603.00       | 33                         |
| Commercial and industrial use  | 176.581      | 732,205.00     | 15                         |
| Hotel, apartment and motel use | —            | —              | —                          |
| Resort use                     | —            | —              | —                          |
| Unclass. uses                  | 8,221.873    | 650,473.59     | 104                        |
| TOTALS                         | 11,858.264   | \$1,665,095.59 | 225                        |

<sup>1</sup>The following Land Use Commission classification is used throughout: A – Agriculture  
C – Conservation  
R – Rural  
U – Urban

<sup>2</sup>Leases awarded directly are preceded by "D". All others are awarded by public auction.

## GENERAL LEASES

### Island of Oahu

Fiscal Year 1989-90

| Lease No. | Lessee                                     | Term of Lease      | Location                        | Tax Map Key                                   | Area (Acres) | Classification and Use             | Annual Rental |
|-----------|--|--------------------|---------------------------------|---|--------------|------------------------------------|---------------|
| (D)L-1755 | Hawaiian Electric Co., Ltd.                | 4/07/26-Indefinite | Auwaiolimu & Kewalo             |   | .210         | U—Unclass. ROW                     | 1.00          |
| (D)S-1756 | Hawaiian Electric Co., Ltd.                | 6/21/72-Indefinite | Waialea, Koolauloa              | 5-8-01:06,07, 46 & 51                         | 1.020        | C—Unclass.                         | 12.00         |
| S-2955    | Hawaiian Electric Co., Ltd.                | 5/25/48-Indefinite | Waianae, Uka, Wahiawa           |   | 15.282       | C—Unclass.                         | 0.00          |
| (D)S-3702 | Honolulu Gas Co., Ltd.                     | 3/21/62-3/20/92    | Wilikina Dr., Wahiawa           | 7-3-01:50                                     | .051         | U—Unclass. ROW                     | 2,500.00      |
| S-3709    | The Oceanic Institute                      | 8/21/62-8/20/2027  | Waimanalo, Koolaupoko           | 4-1-14:03, 04 & por.07                        | 118.000      | U—Unclass. Elee.                   | 12,000.00     |
| S-3727    | Amancio R. & Serafina Nacapoy              | 1/14/63-1/13/2028  | Kaluapalena, Kalihi             | 1-3-11:Por. 03                                | .153         | U—Unclass. ROW                     | 19.20         |
| (D)S-3747 | U.S. of America, Corps of Engineers (Army) | 4/19/63-4/18/2028  | Mt. Kaala, Mokuleia, Waialua    | 6-7-03:23                                     | 1.800        | U—Unclass.                         | 0.00          |
| (D)S-3748 | U.S. of America, Federal Aviation Agency   | 4/19/63-4/18/2028  | Mokuleia Forest Reserve         | 8-5-06:03                                     | 53.630       | C—Unclass. Paid—Full Term          | 1.00          |
| (D)S-3808 | City & County of Honolulu                  | 6/17/64-6/16/2029  | Pouhala & Ulumoku, Waikele, Ewa | 9-3-01<br>9-3-02                              | 45.810       | C—Unclass. ROW Paid—Full Term      | 1.00          |
| S-3809    | Teleglobe Canada                           | 4/02/64-4/01/2029  | Keawaula, Waianae               | 8-1-01  | 3.979        | C—Com/Ind.                         | 1,000.00      |
| S-3811    | Consolidated Amusement Co., Ltd.           | 4/02/64-4/01/2029  | Kalauao, Ewa                    | 9-8-11:11 ROW                                 | .014         | U—Unclass.                         | 398.00        |
| (D)S-3813 | U.S. of America (Navy)                     | 7/01/64-           | Nanakuli, Lualualei, Waianae    | 8-7-06:03,<br>8-7-08:08,<br>8-9-06:01         | .397         | C—Unclass. Easement Paid—Full Term | 1.00          |
| (D)S-3845 | U.S. of America (Army)                     | 8/17/64-8/16/2029  | Kaena Point Tracking Station    | 8-2-01:04, 05, 06, 10, & 21<br>8-1-01:01 & 10 | 137.980      | C—Unclass. Paid—Full Term          | 1.00          |

| Lease No. | Lessee   | Term of Lease                                | Location   | Tax Map Key                          | Area (Acres) | Classification and Use       | Annual Rental | GENERAL LEASES<br>Island of Oahu |
|-----------|--|--|--|--------------------------------------|--------------|------------------------------|---------------|----------------------------------|
| (D)S-3846 | U.S. of America (Army)                               | 8/17/64-8/16/2029                            | Kawailoa Training Area                                       | 7-2-01                               | 4,390.000    | C—Unclass.<br>Paid—Full Term | 1.00          |                                  |
| (D)S-3848 | U.S. of America (Army)                               | 8/17/64-8/16/2029<br>8-2-01:01, 22, 22, & 25 | Makua Kananaiiki   | 8-1-01:07,<br>8-1-01:08,             | 1,515.121    | C—Unclass.<br>Paid—Full Term | 1.00          |                                  |
| (D)S-3850 | U.S. of America (Army)                               | 8/17/64-8/16/2029                            | Kahuku Training Area   | 5-8-02:02<br>5-9-06:26               | 1,149.720    | C—Unclass.<br>Paid—Full Term | 1.00          |                                  |
| (D)S-3864 | University of Hawaii                                 | 7/01/65-6/30/2030                            | Kaakaukui, Honolulu  | 2-1-60:1                             | 5.450        | U—Unclass.                   | 0.00          |                                  |
| (D)S-3896 | Hawaiian Electric Co., Inc. & Hawaiian Telephone Co. | 3/11/65-3/10/2030                            | Overhead easement over por. E.O. 1346, Kapalama, Honolulu    | 1-5-42                               | .115         | U—Unclass.<br>ROW            | 75.00         |                                  |
| (D)S-3898 | Hawaiian Electric Co., Inc. & Hawaiian Telephone Co. | 3/11/65-3/10/2030                            | Makiki For. Ridge Lots, Honolulu                             | 2-5-23:08, 21, 25 & 35               | .079         | C—Unclass.<br>ROW            | 50.00         |                                  |
| S-3899    | First Hawaiian Bank                                  | 3/11/65-3/10/2030                            | Auwaiohulu Lots, Honolulu                                    | 2-2-06:25                            | .299         | U—Unclass.<br>ROW            | 600.00        |                                  |
| (D)S-3900 | Hawaiian Electric Co., Inc. & Hawaiian Telephone Co. | 3/11/65-3/10/2030                            | Kuwili, Kapalama-Kai, Honolulu                               | 15-14                                | .118         | U—Unclass.<br>ROW            | 73.00         |                                  |
| (D)S-3901 | Hawaiian Electric Co., Inc. & Hawaiian Telephone Co. | 3/11/65-3/10/2030                            | Kapalama, Honolulu   | 1-6-02                               | .006         | U—Unclass.<br>ROW            | 5.00          |                                  |
| S-3902    | Oahu Sugar Co., Ltd.                                 | 3/11/65-3/10/2005                            | Waipahu, Waikele   | 9-3-02<br>9-4-11<br>9-4-13<br>9-4-14 | .262         | C—Unclass.<br>ROW            | 291.00        |                                  |
| (D)S-3903 | Hawaiian Telephone Co.                               | 3/11/65-3/10/2030                            | Diamond Head Tunnel, Kapahulu, Honolulu                      | 3-1-42                               | .959         | U—Unclass.<br>ROW            | 1.00          |                                  |
| (D)S-3904 | Hawaiian Electric Co., Inc. & Hawaiian Telephone Co. | 3/11/65-3/10/2030                            | Kalihi-Waena School, Honolulu                                | 1-3-08                               | .418         | U—Unclass.<br>ROW            | 205.00        |                                  |
| (D)S-3905 | Hawaiian Electric Co., Ltd.                          | 3/11/65-3/10/2030                            | Laelae, Kalihi Valley, Honolulu                              | 1-4-22                               | .365         | U—Unclass.<br>ROW            | 50.00         |                                  |
| (D)S-3906 | Hawaiian Electric Co., Ltd.                          | 3/11/65-3/10/2030                            | Kapalama Bascule Bridge, Mokauea, Kalihi, Honolulu           | 1-5-41                               | .481         | U—Unclass.<br>ROW            | 200.00        |                                  |
| S-3915    | Assoc. of Apt. Owners of Sea View                    | 6/21/65-5/20/2030                            | Kewalo, Honolulu   | 2-2-04                               | .043         | U—Unclass.<br>ROW            | 78.00         |                                  |
| (D)S-3951 | Aloha Council, Boy Scouts of America                 | 3/11/66-3/10/2021                            | Parcels A & B, Pupukea, Koolauloa                            | 5-9-05<br>5-9-06                     | 64.800       | C—Rec.                       | 150.00        |                                  |
| S-3978    | Ralph Ajifu & Richard Azama                          | 6/27/66-6/26/2031                            | Kaluapuhi-Waikalua Hmstds., Kaneohe                          | 4-5-32:02                            | .167         | U—Unclass.<br>ROW            | 30.00         |                                  |
| S-3980    | Esther K. Arinaga                                    | 6/27/66-6/26/2031                            | Makiki Ditch   | 2-4-29                               | .021         | U—Unclass.<br>ROW            | 36.00         |                                  |
| S-3981    | Roy H. & Jane S. Aoki                                | 6/27/66-6/26/2031                            | Por. Pauoa Valley  | 2-2-16                               | .012         | U—Unclass.<br>ROW            | 1.00          |                                  |
| S-3983    | Leki, Inc.   | 6/27/66-6/26/2021                            | Por. Old Waialea Boys' Home, Koolauloa                       | 5-8-01                               | 12.854       | U—Com/Ind.                   | 6,324.00      |                                  |
| S-3996    | Y. Hata & Co., Ltd.                                  | 8/05/67-8/04/2022                            | Food Distribution Center, 1st Increment, Kaakaukui, Honolulu | 2-1-58                               | 4.146        | U—Com/Ind.                   | 48,750.00     |                                  |
| (D)S-4017 | Aloha Council, Boy Scouts of America                 | 6/10/66-6/09/96                              | Reservoir Lot, Kaimuki, Honolulu                             | 3-2-35                               | .657         | U—Rec.                       | 150.00        |                                  |
| S-4027    | Communications Satellite Corp.                       | 12/28/66-12/27/2031                          | Mt. Kaala, Por. Mokuleia For. Res., Waialua                  | 6-7-03                               | .106         | C—Com/Ind.                   | 330.00        |                                  |
| (D)S-4094 | City & County of Honolulu                            | 12/17/65-12/16/2030                          | Kapahulu, Waikiki, Honolulu                                  | 3-1-42                               | .139         | U—Unclass.<br>Paid—Full Term | 1.00          |                                  |
| S-4095    | Olomana Golf Links, Inc.                             | 5/04/67-5/03/2007                            | Waimanalo, Koolaupoko  | 4-1-13:10                            | 129.859      | U—Com/Ind.                   | 16,500.00     |                                  |
| (D)S-4100 | Army & Air Force Exchange Service                    | 11/01/67-10/31/2032                          | Kaakaukui, Honolulu  | 2-1-58                               | 2.500        | U—Unclass.<br>Paid—Full Term | 1.00          |                                  |



| GENERAL<br>LEASES<br>Island of<br>Oahu | Lease<br>No. | Lessee   | Term of<br>Lease    | Location   | Tax Map<br>Key                 | Area<br>(Acres) | Classification<br>and Use        | Annual<br>Rental |
|--|--------------|--|---------------------|--|--------------------------------|-----------------|----------------------------------|------------------|
|  | (D)S-4104    | Hawaiian Electric Co., Inc.                        | 4/15/66-5/28/2028   | Kapahulu, Honolulu   | 3-1-42                         | .154            | U—Unclass. ROW                   | 10.00            |
|  | S-4110       | Hawaii Kai Community Services Co.                  | 9/15/67-9/14/2032   | Maunalua   | 3-9-15                         | .650            | U—Unclass. ROW                   | 255.00           |
|  | (D)S-4129    | U.S. of America, Federal Aviation Administration   | 5/31/67-5/30/2032   | Fort Ruger   |                                | .099            | U—Unclass.                       | Gratis           |
|  | S-4217       | Ernest W. Albrecht                                 | 12/05/68-12/04/2033 | Puea, Waianae  | 8-5-05:por. 09                 | .475            | A—Unclass. ROW                   | 21.00            |
|  | S-4218       | Waipahu Soto Zen Temple Taiyoji                    | 12/05/68-12/04/2033 | Cemetery Lot, Pouhala, Waikele, Ewa  | 9-4-27:124                     | .229            | U—Unclass. Elee.                 | 12.00            |
|  | (D)S-4220    | University of Hawaii                               | 1/29/69-1/28/2034   | Kaimuki Tract 49, Kapahulu   | 3-2-31                         | 8.053           | U—Unclass.                       | Gratis           |
|  | (D)S-4223    | Hawaiian Telephone Co.                             | 3/01/66-2/28/2031   | Mt. Kaala, Mokuleia, Waialua   | 6-7-03:24                      | .211            | C—Unclass ROW                    | 966.00           |
|  | S-4267       | John Kalawaianui Nakoa School                      | 9/04/69-9/03/2034   | Palolo Valley, Por. Anuenue Elem.  | 3-4-04                         | .031            | U—Unclass. ROW Paid—Full Term    | 2,026.00         |
|  | S-4304       | Thomas D. & Karen C. Perkins                       | 5/19/70-5/18/2035   | Por. Kalawahine, Honolulu  | 2-5-19:por. 05                 | .033            | U—Unclass. ROW                   | 30.00            |
|  | S-4305       | Eric K. & Durand K. Laride                         | 5/19/70-5/18/2035   | Waimanalo, Koolaupoko, Por. 1  | 4-1-10:74                      | .049            | A—Unclass. Row Paid—Full Term    | 214.00           |
|  | (D)S-4329    | Waiahole Irrigation Co., Ltd.                      | 1/01/71-12/31/2000  | Kahana, Koolaupoko   | 4-8-13:por. 01; 5-2-01:por. 01 | 1,534.500       | C—Watershed                      | 32,600.00        |
|  | (D)S-4337    | Hawaii State Chapter of the American Red Cross     | 5/06/71-5/05/2036   | Kapahulu, Waikiki  | 3-1-42                         | 1.000           | U—Unclass. (Elee) Paid—Full Term | 1.00             |
|  | S-4341       | City & County of Honolulu                          | 7/01/74-6/30/2039   | Por. of Gov't land of Sand Island  | 1-5-41:por. 03                 | 50.000          | U—Unclass.                       | Gratis           |
|  | (D)S-4342    | Hawaii Housing Authority                           | 12/22/71-12/21/2046 | Parcel A-1 Por. Gov't Crown Land   | 4-1-09:267                     | 3.525           | U—Res. Paid—Full Term            | 1.00             |
|  | (D)S-4352    | Hawaii Assoc. of Retarded Children                 | 5/12/72-5/11/2037   | Por. LP 8165, Part B, Por. LCA 8559-B, Apana 32, Por. land conveyed by Wm. Lunalilo & por. Diamond Head Res. | 3-1-42:por. 30                 | 2.157           | U—Unclass. (Elee)                | 120.00           |
|  | (D)S-4356    | Daughters of Hawaii                                | 8/25/72-8/24/2037   | Queen Emma Hse. Residence, Nuuanu Valley, Hon.   | 2-2-34:27 & por. 28            | 2.160           | U—Unclass. Elee.                 | 150.00           |
|  | S-4367       | Vista Delmar                                       | 11/06/72-11/05/2037 | Moanalua, Honolulu   | 1-1-63                         | .141            | U—Unclass. ROW Paid—Full Term    | 4,900.00         |
|  | (D)S-4369    | The Research Corp. of the University of Hawaii     | 11/01/72-10/31/2037 | Lualualei, Waianae   | 8-6-01:03                      | 14.352          | U—Unclass. Paid—Full Term        | 1.00             |
|  | (D)S-4384    | U.S. Postal Service                                | 6/29/73-6/28/2029   | Honolulu   | 2-4-12                         | 2.591           | U—Com/Ind.                       | 29,400.00        |
|  | (D)S-4387    | Lester McCoy Boys' Club dba Boys' Club of Honolulu | 9/01/73-8/31/2023   | Por. Washington Inter. School, Pawaa, Honolulu   | 2-3-26                         | .565            | U—Unclass. Elee.                 | Gratis           |
|  | (D)S-4402    | Hawaiian Telephone Co.                             | 4/04/72-4/03/2037   | Nanakuli, Waianae  | 8-9-08:04                      | .898            | C—Unclass.                       | 250.00           |
|  | (D)S-4403    | Hawaii Housing Authority                           | 9/20/74-9/19/94     | Kuwili, Honolulu   | 1-5-07                         | 1.452           | U—Unclass                        | Gratis           |
|  | S-4405       | Produce Center Development, Ltd.                   | 7/19/74-7/18/2029   | Kaakaukui (Food Distribution Ctr) Honolulu   | 2-1-60:09                      | 9.522           | U—Com/Ind.                       | 168,000.00       |
|  | (D)S-4407    | Pierco, Inc.                                       | 9/26/74-10/20/2027  | Waimanalo, Koolaupoko  | 4-1-14:Adj. 06                 | 1.729           | C—Com/Ind.                       | 3,600.00         |
|  | (D)S-4408    | U.S. of America (Coast Guard)                      | 10/30/74-10/29/2039 | Kaakaukui, Honolulu  | 2-1-57                         | .031            | U—Unclass.                       | Gratis           |
|  | (D)S-4411    | Honolulu Community Theatre                         | 8/18/74-8/17/2024   | Kapahulu, Honolulu   | 3-2-20:01                      | 2.735           | U—Com/Ind.                       | 1,800.00         |
|  | (D)S-4435    | University of Hawaii                               | 7/01/75-6/30/2040   | Diamond Head Res. Kapahulu, Oahu   | 3-1-42:09                      | 51.628          | U—Unclass.                       | Gratis           |

| Lease No. | Lessee   | Term of Lease        | Location   | Tax Map Key                      | Area (Acres)                       | Classification and Use | Annual Rental |
|-----------|--|----------------------|--|----------------------------------|------------------------------------|------------------------|---------------|
| S-4485    | Inscon Development Company   | 10/30/75-10/29/2030  | Hanakoe, Kawela, Koolauloa   | 5-7-01                           | .214                               | U—Unclass. ROW         | 38.39         |
| (D)S-4488 | University of Hawaii   | 2/23/73-2/22/2038    | Por. Kapalama Mil. Res. Mokauea, Kalihi  | 1-5-41                           | 16.069                             | U—Unclass.             | Gratis        |
| (D)S-4513 | Variety Club School & Special Education Center   | 3/15/76-3/14/2041    | Fort Ruger, Hon.   | 3-1-42:Por. 18                   | 4.291                              | U—Unclass. Elee.       | 120.00        |
| S-4543    | Kenneth Pratt  | 11/24/75-11/23/2040  | Waialua  | 6-1-08:03                        | .012                               | U—Unclass. ROW         | 430.00        |
| (D)S-4555 | Dept. of Hawaiian Home Lands   | 10/01/76-3/31/91     | Nanakuli   | 8-9-08:Por. 03                   | 401.920                            | A—Pasture              | 1,190.00      |
| S-4558    | Rochelle Leimomi Craft   | 4/11/77-4/10/2042    | Hauula   | 5-4-07:Por. 2                    | .017                               | U—Unclass. ROW         | 450.00        |
| (D)S-4560 | Easter Seal Society for Crippled Children & Adults of Oahu, Inc.   | 7/17/77-7/16/2042    | Kewalo, Honolulu   | 2-1-39                           | .612                               | U—Unclass. Elee.       | 1.00          |
| (D)S-4561 | Waianae Kai Development, Inc.  | 7/1/77-6/30/97       | Waianae  | 8-5-05                           | 97.764                             | U—Unclass. Elee.       | 1.00          |
| S-4578    | Basin Project, Inc.  | 12/23/77-12/22/2042  | Por. Filled Land, Kaakaukui (Kewalo Basin)   | 2-1-58:41 & 48                   | .621                               | U—Com/Ind.             | 40,500.00     |
| (D)S-4579 | University of Hawaii (Tropical Agriculture)  | 9/01/77-8/31/97      | Waimanalo  | 4-1-26:1, 2 & 21                 | 127.539                            | A—Int. Ag.             | Gratis        |
| (D)S-4580 | Old Vineyard St. Residents' Assoc.   | 6/15/78-6/14/2033    | Old Vineyard St. Housing Project, Halehala, Honolulu   | 2-1-18:Por. 11                   | .679                               | U—Res.                 | 1.00          |
| (D)S-4582 | Mokauea Fishermen Association  | 6/01/78-5/31/2043    | Kaliawa & Mokauea, Kalihi  | 1-5-41                           | 13.750                             | U—Unclass. Elee.       | 150.00        |
| (D)S-4588 | Hawaiian Telephone Co.   | 6/06/73-6/05/2038    | Puu Ohia Radio Sta. Sites A&B, & Parcels C, D, E, & F, Situated at Kalawahine & Opu, Honolulu, Oahu  | 2-5-19                           | 1.300                              | C—Unclass. ROW         | 3,711.00      |
| S-4589    | Basin Project, Inc.  | 6/30/78-12/29/2042   | Por. of Filled Land of Kaakaukui (Kewalo Basin) plus easement for air rights over portions of adjoining coral reef area above Kewalo Basin Channel | 2-1-58:por. 10 & 41              | .233 (Parcel A)<br>.144 (Easement) | U—Com/Ind.             | 12,000.00     |
| (D)S-4592 | University of Hawaii Community College Sys.  | 12/1/77-11/30/2042   | Kalihi-Palama Education Ctr. West corner of Intersection of King St. & Austin Lane   | 1-5-05:14                        | .282                               | U—Unclass.             | Gratis        |
| (D)S-4605 | United States of America   | 1/1/79-12/31/88      | Water pipeline easement, Waianae-Kai, Oahu   | 8-5-01:4 & 45                    | —                                  | U—Unclass. ROW         | Gratis        |
| S-4606    | Hawaiian Independent Refinery, Inc.  | 11/03/78-11/02/2043  | Honouliuli, Ewa  | 9-1-26 & 9-1-31<br>Parcels 1 & 2 | 191.148                            | U—Unclass. ROW         | 252,000.00    |
| (D)S-4611 | City & County of Honolulu, Building  | 10/01/79<br>9/30/202 | Waihee, Koolaupoko   | 4-7-02:17                        | .606                               | U—Unclass.             | 120.00        |
| S-4612    | Del Monte Corp.  | 1/1/80<br>12/31/94   | Waikele, Ewa   | 9-4-12:1, 2 & 3                  | 587.380                            | A—Int. Ag.             | 76,600.00     |
| S-4631    | Sudbrink Broadcasting Co. of HI, K(O)KUA Radio One Corp., Heftel Broadcasting Corp., Communications Hawaii, Inc. | 5/5/80<br>5/4/2035   | Kaakaukui  | 2-1-58:48                        | .082                               | U—Unclass.             | 30,000.00     |
| S-4643    | Gem of Hawaii, Inc.  | 6/1/80<br>5/31/2035  | Kuwili   | 1-5-20:6                         | 2.749                              | U—Com/Ind.             | 140,000.00    |
| S-4644    | Cormax Corp.   | 5/14/80-5/13/2035    | Kalauao, Ewa   | 9-8-13:14                        | 3.697                              | U—Com/Ind.             | 91,000.00     |

GENERAL  
LEASES  
Island of  
Oahu



| GENERAL<br>LEASES<br>Island of<br>Oahu | Lease<br>No. | Lessee   | Term of<br>Lease        | Location   | Tax Map<br>Key           | Area<br>(Acres) | Classification<br>and Use                    | Annual<br>Rental  |
|--|--------------|--|-------------------------|--|--------------------------|-----------------|--|-------------------|
|  | (D)S-4658    | City & County of<br>Honolulu                               | 7/1/80-<br>6/30/2045    | Kaakaukui,<br>Honolulu                                   | 2-1-57:7                 | .698            | U—Com/Ind.<br>(Sewage<br>Pumping<br>Station) | 1.00<br>per annum |
|  | S-4692       | Chevron USA, Inc.  | 12/18/80-<br>11/02/2043 | Honouliuli,<br>Ewa                                       | 9-1-31:por. 3,<br>por. 4 | 92.247          | C—Unclass.<br>Paid—Full Term                 | 252,000.00        |
|  | (D)S-4693    | City & County of<br>Honolulu                               | 7/1/80-<br>6/30/2045    | Lualualei,<br>Waianae                                    | 8-7-07:por. 1            | 1.399           | U—Unclass.<br>(Sewage Pump Sta.<br>& ROW)    | Gratis            |
|  | (D)S-4776    | City & County of<br>Honolulu                               |                         | Paalaa Uka,<br>Waialua, Oahu                             | 6-4-03:02                | 5.000           | A—Int. Ag. and<br>Housing                    | Gratis            |
|  | (D)S-4825    | Waikiki Community Center                                   | 4/1/82-<br>3/31/2007    | Waikiki, Oahu  | 2-6-25:02                | 1.560           | U—Unclass.<br>Elee.                          | 120.00            |
|  | (D)S-4826    | DSSH & Goodwill<br>Industries of Honolulu,<br>Incorporated | 9/1/81-<br>8/31/2031    | Lot 3, Shafter<br>Flats Ind. Dev.,<br>Unit II            | 1-1-64:27                | 1.578           | U—Unclass.<br>Elee. Paid—Full Term           | 1.00              |
|  | S-4877       | Toshio Sugita &<br>Kenneth Ibara                           | 7/18/83-<br>7/17/2018   | Portion of Crown<br>Land, Waianae                        | 8-5-05:09 & 11           | 36.048          | A—Int. Ag.                                   | 7,000.00          |
|  | S-4883       | Glenn Masuo &<br>Harriet Mieke Masunaga                    | 6/30/76-<br>6/29/97     | Makiki,<br>Honolulu                                      | 2-4-32:por. 01           | .096            | U—Unclass.<br>Easement                       | 236.00            |
|  | (D)S-4884    | George & Louise Ai   | 12/1/83-<br>11/30/2048  | Lot 1, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:17                | .930            | C—Res.                                       | 120.00            |
|  | (D)S-4885    | Melvyn K. & Lynn Aila                                      | 12/1/83-<br>11/30/2048  | Lot 2, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:25                | .780            | C—Res.                                       | 120.00            |
|  | (D)S-4886    | Katherine Akana, et al.                                    | 12/1/83-<br>11/30/2048  | Lot 3, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:26                | .490            | C—Res.                                       | 120.00            |
|  | (D)S-4887    | Winona B. Maka   | 12/1/83-<br>11/30/2048  | Lot 4, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:27                | .590            | C—Res.                                       | 120.00            |
|  | (D)S-4888    | Herman L.K. Brandt   | 12/1/83-<br>11/30/2048  | Lot 5, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:23                | .640            | C—Res.                                       | 120.00            |
|  | (D)S-4889    | Hennessey J.<br>& Mary Brown                               | 12/1/83-<br>11/30/2048  | Lot 6, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:20                | .490            | C—Res.                                       | 120.00            |
|  | (D)S-4890    | Gulstan Crawford   | 12/1/83-<br>11/30/2048  | Lot 7, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:07                | .440            | C—Res.                                       | 120.00            |
|  | (D)S-4891    | Alfred K. Fountain   | 12/1/83-<br>11/30/2048  | Lot 8, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:30                | .860            | C—Res.                                       | 120.00            |
|  | (D)S-4892    | Thomas H. & Joan A.<br>Kaaiai                              | 12/1/83-<br>11/30/2048  | Lot 9, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu  | 2-5-24:21                | .480            | C—Res.                                       | 120.00            |
|  | (D)S-4893    | William W.A. &<br>Diane H. Kaaiai                          | 12/1/83-<br>11/30/2048  | Lot 10, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:04                | .290            | C—Res.                                       | 120.00            |
|  | (D)S-4894    | Julia Minerva Kaawa  | 12/1/83-<br>11/30/2048  | Lot 11, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:10                | .750            | C—Res.                                       | 120.00            |
|  | (D)S-4895    | Arthur K. Kaleikini  | 12/1/83-<br>11/30/2048  | Lot 12, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:13                | 1.040           | C—Res.                                       | 120.00            |
|  | (D)S-4896    | Joseph K. Kaleikini  | 12/1/83-<br>11/30/2048  | Lot 13, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:16                | .820            | C—Res.                                       | 120.00            |
|  | (D)S-4897    | Charlotte Maile Ohira                                      | 12/1/83-<br>11/30/2048  | Lot 14, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:28                | .640            | C—Res.                                       | 120.00            |
|  | (D)S-4898    | Emma K. Kalima   | 12/1/83-<br>11/30/2048  | Lot 15, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:29                | .820            | C—Res.                                       | 120.00            |
|  | (D)S-4899    | David Keau Moses   | 12/1/83-<br>11/30/2048  | Lot 16, Maunalaha<br>Homesites, Opu,<br>Makiki, Honolulu | 2-5-24:32                | .350            | C—Res.                                       | 120.00            |

| Lease No. | Lessee  | Term of Lease      | Location   | Tax Map Key                | Area (Acres) | Classification and Use          | Annual Rental           | GENERAL LEASES<br>Island of Oahu |
|-----------|---|--------------------|--|----------------------------|--------------|---------------------------------|-------------------------|----------------------------------|
| (D)S-4900 | May K. Kealoha  | 12/1/83-11/30/2048 | Lot 17, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:05                  | 1.250        | C—Res.                          | 120.00                  |                                  |
| (D)S-4901 | Leinaala M. Lopes   | 12/1/83-11/30/2048 | Lot 18, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:12                  | 1.300        | C—Res.                          | 120.00                  |                                  |
| (D)S-4902 | Bonnie-Lee H. Shea  | 12/1/83-11/30/2048 | Lot 19, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:24                  | .520         | C—Res.                          | 120.00                  |                                  |
| (D)S-4903 | Nancy P. Makua & Thomas Boteilho                            | 12/1/83-11/30/2048 | Lot 20, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:14                  | 1.140        | C—Res.                          | 120.00                  |                                  |
| (D)S-4904 | James K. Moses, Jr.   | 12/1/83-11/30/2048 | Lot 21 & 21A, Maunalaha Homesites, Opu, Makiki, Honolulu | 2-5-24:15                  | 1.300        | C—Res.                          | 120.00                  |                                  |
| (D)S-4905 | Charlotte K. Needham  | 12/1/83-11/30/2048 | Lot 22, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:19                  | .640         | C—Res.                          | 120.00                  |                                  |
| (D)S-4906 | Helen Simeona Oku & Miulana Oku                             | 12/1/83-11/30/2048 | Lot 23, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:22                  | .320         | C—Res.                          | 120.00                  |                                  |
| (D)S-4907 | Robertajeane Keinath  | 12/1/83-11/30/2048 | Lot 24, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:08                  | .520         | C—Res.                          | 120.00                  |                                  |
| (D)S-4908 | Mary K.H. Lopez Palomo                                      | 12/1/83-11/30/2048 | Lot 25, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:03                  | .280         | C—Res.                          | 120.00                  |                                  |
| (D)S-4909 | James M. Perry  | 12/1/83-11/30/2048 | Lot 26, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:06                  | .360         | C—Res.                          | 120.00                  |                                  |
| (D)S-4910 | George H. & Alice Santana                                   | 12/1/83-11/30/2048 | Lot 27, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:09                  | .240         | C—Res.                          | 120.00                  |                                  |
| (D)S-4911 | William K. & Mary K. Spencer                                | 12/1/83-11/30/2048 | Lot 28, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:02                  | .520         | C—Res.                          | 120.00                  |                                  |
| (D)S-4912 | Lydia K Ului & J.W. Nahinu                                  | 12/1/83-11/30/2048 | Lot 29, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:18                  | .700         | C—Res.                          | 120.00                  |                                  |
| (D)S-4913 | Arnold P. Spencer & Corrinne Spencer                        | 12/1/83-11/30/2048 | Lot 30, Maunalaha Homesites, Opu, Makiki, Honolulu       | 2-5-24:31                  | .400         | C—Res.                          | 120.00                  |                                  |
| S-4914    | Kahaluu Pond, Inc.  | 3/1/84-2/28/2014   | Kahaluu, Koolaupoko                                      | 4-6-11:por. of Kaneohe Bay | .718         | C—Unclass. Easement             | 2,500.00 Paid—Full Term |                                  |
| (D)S-4916 | U.S.A.-Federal Aviation Administration                      | 5/21/84-9/30/93    | Moanalua, Honolulu (Pacific War Memorial Site)           | 1-1-03:por. 04             | .010         | U—Unclass.                      | Gratis                  |                                  |
| (D)S-4917 | City & County of Honolulu, Dept. of Transportation Services | 1/28/83-1/27/2038  | Makiki, Honolulu   | 2-4-22:17, 25, 28 & 33     | 1.126        | U—Rec.                          | 1.00                    |                                  |
| S-4921    | Hawaiian Telephone  | 6/14/85-10/31/2039 | Ewa  | 9-9-68:60                  | .001         | U—Unclass.                      | 10.00 Paid—Full Term    |                                  |
| (D)S-4948 | Pearl City Youth Complex Association                        | 2/1/85-1/31/2020   | Manana & Waimano, Ewa                                    | 9-7-19:35                  | 11.209       | U—Unclass. Elee.                | 120.00                  |                                  |
| (D)S-5006 | State of Hawaii Dept of Regulatory Agencies                 | 6/1/67-5/31/2032   | Mt. Kaala, Mokuleia For. Reserve                         | 6-7-03                     | .110         | U—Unclass.                      | Gratis                  |                                  |
| (D)S-5013 | First Church of Christ, Scientist                           | 5/25/67-5/24/2032  | Honolulu   | 2-4-08                     | .049         | U—Unclass. Elee.                | 110.00                  |                                  |
| S-5016    | U.S.A., Coast Guard   | 6/30/67-6/29/2030  | Haleiwa  | 6-2-03:40                  | .007         | U—Unclass. Range Light Easement | Gratis                  |                                  |
| S-5104    | Teleglobe Canada  | 5/9/86-4/1/2029    | Keawaula, Waianae  | 8-1-01                     | 33.079       | C—Unclass. Easement             | 1,500.00                |                                  |
| S-5105    | U.S.A., Corps. of Engineers                                 | 1/1/86-12/31/2005  | Waikele, Ewa   | 9-4-12:03 & 11             | 6.437        | A—Unclass. Easement             | 120.00                  |                                  |



| GENERAL<br>LEASES | Lease<br>No. | Lessee  | Term of<br>Lease        | Location  | Tax Map<br>Key                                   | Area<br>(Acres) | Classification<br>and Use                                 | Annual<br>Rental |
|-------------------|--------------|---|-------------------------|---|--|-----------------|---|------------------|
| Island of<br>Oahu | S-5106       | Stadium Bowl-O-Drome  | 1/1/86-<br>12/31/2005   | Kapaaea, Waikiki,<br>Honolulu, Parts 1 & 2          | 2-7-08:18  | .918            | U—Com/Ind.  | 173,000.00       |
|                   | S-5107       | Andrew & Susan Schwartz   | 6/28/85-<br>6/27/2040   | Polohe, Makiki                                      | 2-5-15:13  | .006            | U—Unclass.<br>Easement                                    | 150.00           |
|                   | S-5108       | City & County of<br>Honolulu (Building Dept.)                           | 5/9/86-<br>10/31/2040   | Kuwili, Iwilei                                      | 1-5-09   | .345            | U—Unclass.<br>Community<br>Facility for<br>Urban Homeless | 132.00           |
|                   | S-5109       | Veteran's of Foreign<br>Wars  | 1/1/87-<br>12/31/2041   | Kalia & Pahoa,<br>Waikiki                           | 2-3-34:27 & 35                                   | .660            | U—Rec.  | 12,000.00        |
|                   | S-5112       | Hawaiian Electric Co.<br>Hawaiian Telephone                             | 7/7/76-<br>7/6/2001     | Kalawahine  | 2-5-19:por. 5, 12                                | .627            | U—Unclass.<br>Easement                                    | 77.00            |
|                   | S-5123       | Hawaiian Trust, Co.,<br>Ltd., Trustee for<br>Edward W. Scripps II Trust | 8/11/86-<br>8/10/2036   | Kapahulu  | 3-1-42:por. 14                                   | .070            | U—Unclass.<br>Paid—Full Term                              | 25,000.00        |
|                   | S-5125       | City & County of<br>Honolulu  | 1/1/87-<br>12/31/2027   | Honolulu, Corner<br>of Merchant &<br>Bethel Streets | 2-1-02:por. 24                                   | .185            | U—Unclass.  | 36,132.00        |
|                   | S-5149       | Honolulu Academy of Arts  | 12/1/86-<br>11/30/2041  | Kulaokahua,<br>Honolulu, Old<br>Lincoln School      | 2-4-02:20  | 2.688           | U—Unclass.  | 1,800.00         |
|                   | S-5154       | Hawaii Ecumenical<br>Housing Corp.                                      | 3/1/88-<br>2/28/98      | Kapalama  | 1-5-18:03<br>1-1-17:por. 6                       | .902            | U—Residential   | 1.00             |
|                   | S-5159       | Honolulu Community<br>Action Program                                    | 1/05/85-<br>1/04/89     | Waianae-Kai,<br>Waianae                             | 8-5-02:12  | 3.880           | U—Recreational  | 1.00             |
|                   | S-5160       | West Beach Estates  | 1/11/88-<br>1/10/2048   | Honouliuli,<br>Ewa                                  | 9-1-15:3, 10,<br>9-2-03:07                       | 44.207          | C—Unclass.  | 4,352.00         |
|                   | S-5163       | Michael Dixon, et al.   | 3/10/87-<br>3/09/2027   | Paumalu,<br>Koolauloa                               | 5-9-01:36  | .103            | U—Unclass.<br>Easement                                    | 2,515.00         |
|                   | S-5164       | Paul Catanzaro  | 3/10/87-<br>3/09/2027   | Paumalu,<br>Koolauloa                               | 5-9-01:26  | .038            | U—Unclass.<br>Easement                                    | 1,035.00         |
|                   | S-5165       | Hung Chung Chu  | 4/14/88-<br>4/13/2003   | Pupukea,<br>Koolauloa                               | 5-9-05:80  | 2.560           | A—Int. Ag.  | 2,500.00         |
|                   | (D)S-5169    | U.S. of America<br>(FAA)  | 10/17/87-<br>10/16/97   | Diamond Head<br>Crater, Honolulu                    | 3-1-42:06,                                       | .740            | C—Unclass.  | 400.00           |
|                   | S-5171       | Bread Brothers, Inc.  | 4/02/87-<br>4/01/2029   | Kalauao, Ewa  | 9-8-13:15  | .014            | U—Unclass.  | 291.00           |
|                   | S-5172       | Stanley Chun  | 10/10/86-<br>10/09/2036 | Kahaluu,<br>Koolaupoko                              | 4-7-19:26  | .030            | U—Unclass.  | 237.00           |
|                   | S-5173       | Hawaii Baptist<br>Academy   | 7/01/86-<br>6/30/2011   | Nuuanu,<br>Honolulu                                 | 2-2-22:19  | 2.500           | U—Unclass.  | 6,900.00         |
|                   | S-5174       | Hilton Hawaiian<br>Village  | 10/10/86-<br>10/09/2041 | Waikiki   | 2-3-37:21  | .356            | U—Unclass.  | 250.00           |
|                   | S-5175       | Sally C. & Kenneth R.<br>Brockman                                       | 11/07/86-<br>11/06/2036 | Kaneohe,<br>Koolaupoko                              | 4-6-01:11  | .040            | C—Unclass.<br>& U   | 240.00           |
|                   | S-5177       | Estate of James<br>Campbell   | 1/14/77-<br>1/13/2042   | Honouliuli,<br>Ewa                                  | 9-1-31:por. 28                                   | .182            | C—Unclass.  | 1.00             |
|                   | (D)S-5178    | University of Hawaii  | 4/24/87-<br>6/30/2040   | Waikiki,<br>Kapahulu                                | 3-1-42:por. 20<br>Kapiolani<br>Community College | 6.703           | U—Unclass.  | 1.00             |
|                   | S-5180       | Toledo Twin Pine  | 2/24/88-<br>2/23/98     | Waianae-Kai,<br>Waianae                             | 8-5-01:33  | 112.495         | U—Unclass.  | 800.00           |
|                   | S-5191       | Estate of James Campbell  | 1/14/77-<br>1/13/2042   | Honouliuli,<br>Ewa                                  | 9-1-31   | .182            | U—Unclass.<br>Easement Paid—Full Term                     | 132.00           |
|                   | S-5192       | City & County of Honolulu   | 6/1/89-<br>12/31/2010   | Luahalei,<br>Waianae                                | 8-7-06:18, 29                                    | .344            | U—Unclass.<br>Easement                                    | gratis           |
|                   | S-5195       | George W. and<br>Natalie N. Playdon                                     | 6/23/89-<br>6/22/2039   | Kaluanui,<br>Koolauloa                              | 5-3-08   | .011            | U—Unclass.<br>Easement                                    | 150.00           |
|                   | S-5196       | Winifred Goya   | 5/8/87-<br>5/8/2037     | Kaluanui,<br>Koolauloa                              | 5-3-08   | .014            | U—Unclass.<br>Easement                                    | 150.00           |
|                   | S-5198       | Hilton Hawaiian<br>Village Joint Venture                                | 6/23/89-<br>10/9/2041   | Kalia, Waikiki,<br>Honolulu                         | 2-3-37:21  | .355            | U—Unclass.<br>Easement                                    | 400.00           |

| Lease No.                            | Lessee  | Term of Lease       | Location                                   | Tax Map Key | Area (Acres) | Classification and Use | Annual Rental | GENERAL LEASES<br>Island of Oahu |
|--------------------------------------|---|---------------------|--|-------------|--------------|------------------------|---------------|----------------------------------|
| <b>Waimanalo Agricultural Leases</b> |   |                     |  |             |              |                        |               |                                  |
| S-3753                               | SGVG Corp.                                      | 12/02/63-12/01/2010 | Lot 2, Waimanalo<br>Ag Subdv. Koolaupoko   | 4-1-10:31   | 3.429        | A—Int. Ag.             | 1,262.00      |                                  |
| S-3754                               | Servco Pacific, Inc.                            | 12/02/63-12/01/2008 | Lot 3, Waimanalo<br>Ag Subdv. Koolaupoko   | 4-1-10:32   | 4.147        | A—Int. Ag.             | 1,996.00      |                                  |
| S-3756                               | Norman and Adeline Thomas                       | 12/02/63-12/01/2006 | Lot 5, Waimanalo<br>Ag Subdv. Koolaupoko   | 4-1-10:34   | 5.193        | A—Int. Ag.             | 536.00        |                                  |
| S-3757                               | Steven & Jeannie Saiki                          | 12/02/63-12/01/2005 | Lot 9, Waimanalo<br>Ag Subdv. Koolaupoko   | 4-1-10:40   | 3.742        | A—Int. Ag.             | 770.00        |                                  |
| S-3758                               | Kazuto Yamada                                   | 12/02/63-12/01/2006 | Lot 10, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:41   | 4.094        | A—Int. Ag.             | 1,743.00      |                                  |
| S-3759                               | Kawahara Nursery & Landscaping Co., Ltd.        | 12/02/63-12/01/2008 | Lot 11, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:42   | 4.486        | A—Int. Ag.             | 1,256.00      |                                  |
| S-3760                               | Kaname & Ethel H. Tanaka                        | 12/02/63-12/01/2008 | Lot 12, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:43   | 4.635        | A—Int. Ag.             | 780.00        |                                  |
| S-3761                               | Windward Plants Company, Ltd.                   | 2/02/64-2/01/2011   | Lot 13, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:44   | 4.014        | A—Int. Ag.             | 950.00        |                                  |
| S-3762                               | Henry Hiroshi Miyamoto & Clyde Maehiro Miyamoto | 2/02/64-2/01/2008   | Lot 14, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:46   | 5.137        | A—Int. Ag.             | 1,300.00      |                                  |
| S-3763                               | William K and Charlotte K. Fuller               | 12/02/63-12/01/2007 | Lot 15, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:48   | 5.256        | A—Int. Ag.             | 2,190.00      |                                  |
| S-3764                               | Servco Pacific, Inc.                            | 12/02/63-12/01/2008 | Lot 16, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-10:08   | 3.228        | A—Int. Ag.             | 1,243.00      |                                  |
| S-3766                               | Rodney H. and Iris T. Fukui                     | 12/02/63-12/01/2000 | Lot 26, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:29   | 7.001        | A—Int. Ag.             | 725.00        |                                  |
| S-3767                               | Kazuto & Ayako Yamada                           | 12/02/63-12/01/2006 | Lot 27, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:28   | 7.195        | A—Int. Ag.             | 2,930.00      |                                  |
| S-3768                               | Stanley S. Kawabata                             | 12/02/63-12/01/2010 | Lot 28, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:27   | 6.836        | A—Int. Ag.             | 1,360.00      |                                  |
| S-3769                               | Mun On & Rosalind K. Chang                      | 12/02/63-12/01/2010 | Lot 29, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:26   | 5.515        | A—Int. Ag.             | 2,000.00      |                                  |
| S-3770                               | Hiroshi & Sallie Ikene                          | 12/02/63-12/01/2004 | Lot 30, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:25   | 5.794        | A—Int. Ag.             | 960.00        |                                  |
| S-3771                               | Pacific Foliage, Inc.                           | 12/02/63-12/01/2002 | Lot 31, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:19   | 10.005       | A—Int. Ag.             | 1,600.00      |                                  |
| S-3773                               | Servco Pacific, Inc.                            | 12/02/63-12/01/93   | Lot 34, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:11   | 9.565        | A—Int. Ag.             | 1,520.00      |                                  |
| S-3774                               | Mashita, Inc.                                   | 12/02/63-12/01/2002 | Lot 35, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:10   | 8.541        | A—Int. Ag.             | 1,380.00      |                                  |
| S-3775                               | Rainbow Properties, Inc.                        | 12/02/63-12/01/2004 | Lot 36, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:09   | 8.860        | A—Int. Ag.             | 1,430.00      |                                  |
| S-3776                               | Claudia M. Chaille, Angela Chaille Meixell      | 12/02/63-12/01/2007 | Lot 37, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:12   | 8.513        | A—Int. Ag.             | 1,900.00      |                                  |
| S-3777                               | Sharon's Plants, Ltd.                           | 12/02/63-12/01/2011 | Lot 39, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:08   | 7.883        | A—Int. Ag.             | 1,618.00      |                                  |
| S-3778                               | Sharon's Plants, Ltd.                           | 12/02/63-12/01/2006 | Lot 40, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:07   | 5.686        | A—Int. Ag.             | 1,374.00      |                                  |
| S-3779                               | Sharon's Plants, Ltd.                           | 12/05/63-12/04/2006 | Lot 41, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:06   | 6.032        | A—Int. Ag.             | 1,152.00      |                                  |
| S-3780                               | GKK Specialties, Inc.                           | 12/02/63-12/01/2008 | Lot 46, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-26:19   | 6.705        | A—Int. Ag.             | 1,100.00      |                                  |
| S-3782                               | Peter A & Gertrude Pak Chong                    | 12/02/63-12/01/2008 | Lot 48, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-26:17   | 7.136        | A—Int. Ag.             | 1,875.00      |                                  |
| S-3787                               | Warren Q.K. & Ellen S.P. Yee                    | 12/02/63-12/01/93   | Lot 7, Waimanalo<br>Ag Subdv. Koolaupoko   | 4-1-10:38   | 3.536        | A—Int. Ag.             | 1,521.00      |                                  |
| S-3792                               | Elizabeth Heavey & Eleanor Kaleimomi McLellan   | 12/05/63-12/04/93   | Lot 45, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-27:01   | 1.100        | A—Int. Ag.             | 575.00        |                                  |
| S-3793                               | Robert L. & Anna K. Ham                         | 12/02/63-12/01/93   | Lot 18A, Waimanalo<br>Ag Subdv. Koolaupoko | 4-1-10:06   | 6.490        | A—Int. Ag.             | 1,251.00      |                                  |
| S-3794                               | Abigail Kekaulike Kawanakoa                     | 12/02/63-12/01/93   | Lot 18B, Waimanalo<br>Ag Subdv. Koolaupoko | 4-1-10:05   | 5.744        | A—Pasture              | 966.00        |                                  |
| S-3854                               | Patricia & Nancy Maloney                        | 8/10/64-8/09/2009   | Lot 47, Waimanalo<br>Ag Subdv. Koolaupoko  | 4-1-26:18   | 5.492        | A—Int. Ag.             | 1,466.00      |                                  |



| GENERAL<br>LEASES | Lease<br>No. | Lessee   | Term of<br>Lease        | Location   | Tax Map<br>Key              | Area<br>(Acres) | Classification<br>and Use | Annual<br>Rental |
|-------------------|--------------|--|-------------------------|--|-----------------------------|-----------------|---------------------------|------------------|
| Island of<br>Oahu | S-3856       | Fred M. & Toshiko<br>Nakayama                      | 8/10/64-<br>8/09/2002   | Lot 9, Waimanalo<br>Farm Lots, Koolaupoko            | 4-1-24:23                   | 9.474           | A—Int. Ag.                | 1,520.00         |
|                   | S-3858       | Warren Q.K. & Ellen<br>S.P. Yee                    | 8/10/64-<br>8/09/2004   | Lot 8, Waimanalo<br>Ag Subdv., Koolaupoko            | 4-1-10:39                   | 3.662           | A—Int. Ag.                | 1,700.00         |
|                   | S-3859       | Faith Kiyoko Okabe                                 | 8/10/64-<br>8/09/2011   | Lot 56A & 56B,<br>Waimanalo Farm Lots,<br>Koolaupoko | 4-1-25:22 & 23              | 8.923           | A—Int. Ag.                | 1,972.00         |
|                   | S-3860       | Yong & Helen Y. Kam                                | 8/13/64-<br>8/12/2010   | Lot 31, Waimanalo<br>Farm Lots, Koolaupoko           | 4-1-24:62 & 63              | 6.862           | A—Int. Ag.                | 2,810.00         |
|                   | S-3861       | Nolan B. George                                    | 8/10/64-<br>8/09/2004   | Lot 33, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-27:16                   | 20.056          | A—Pasture                 | 900.00           |
|                   | S-4007       | Living Designs, Inc.                               | 9/12/66-<br>9/11/2005   | Lot 23 & 24,<br>Waimanalo Ag Subdv.,<br>Koolaupoko   | 4-1-27:23 & 24              | 34.538          | A—Int. Ag.                | 2,600.00         |
|                   | S-4008       | Walter F.L. & Evelyn Z.<br>Chong                   | 9/11/66<br>9/11/2011    | Lot 38, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-27:14                   | 20.395          | A—Int. Ag.                | 2,489.00         |
|                   | S-4009       | Char Hung Sut<br>Fish Farms                        | 9/12/66-<br>9/11/2011   | Lot 28, Waimanalo<br>Farm Lots, Koolaupoko           | 4-1-24:54                   | 9.454           | A—Int. Ag.                | 800.00           |
|                   | S-4011       | Matsuko Matsumoto                                  | 9/12/66-<br>9/11/96     | Lot 43, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-27:04                   | 1.032           | A—Int. Ag.                | 420.00           |
|                   | S-4093       | Victor & Harriet<br>Towne Gega<br>(Britain/Kittle) | 3/20/67-<br>2/19/97     | Lot 44, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-27:02                   | 1.002           | A—Int. Ag.                | 900.00           |
|                   | S-4101       | Waimanalo Dairy                                    | 7/20/67-<br>7/19/97     | Waimanalo Ag<br>Subdv., Koolaupoko                   | 4-1-08:Por. 05<br>4-1-26:04 | 195.810         | A—Int. Ag.                | 14,100.00        |
|                   | S-4133       | Joseph N.A. Ryan, Jr.<br>& Tamara Ryan             | 10/26/67-<br>10/25/2020 | Lot 49, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-26:15                   | 8.450           | A—Int. Ag.                | 3,072.00         |
|                   | S-4296       | Ernest F. and<br>Donna Carlbon                     | 3/12/70-<br>3/11/2010   | Lot 17, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-10:07                   | 11.001          | A—Int. Ag.                | 2,100.00         |
|                   | S-4297       | Mahalo Farms                                       | 3/12/70-<br>3/11/2007   | Lot 19, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-10:04                   | 14.054          | A—Int. Ag.                | 4,400.00         |
|                   | S-4298       | S & S Plants, Inc.                                 | 3/12/70-<br>3/11/90     | Lot 20, Waimanalo<br>Ag Subdv., Koolaupoko           | 4-1-10:03                   | 15.587          | A—Int. Ag.                | 3,600.00         |
|                   | S-4922       | Koukeo Vixayvong                                   | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 1                | 4-1-35:1                    | 11.432          | A—Int. Ag.                | 2,630.00         |
|                   | S-4923       | Frank F. Sekiya &<br>Donna S.F. Jay Sekiya         | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 2                | 4-1-35:2                    | 6.148           | A—Int. Ag.                | 1,310.00         |
|                   | S-4924       | Kenneth L. Vinzant &<br>Lisa L. Vinzant            | 12/30/86-<br>12/29/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 3                | 4-1-35:3                    | 8.289           | A—Int. Ag.                | 1,860.00         |
|                   | S-4925       | Henry C. Y. Liu                                    | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 4                | 4-1-35:4                    | 10.171          | A—Int. Ag.                | 2,500.00         |
|                   | S-4926       | Kenjiro Uehara &<br>Susan S. Uehara                | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 5                | 4-1-35:5                    | 10.027          | A—Int. Ag.                | 2,350.00         |
|                   | S-4927       | Vanxay Bounlangsou                                 | 12/30/86-<br>12/29/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 6                | 4-1-35:6                    | 10.209          | A—Int. Ag.                | 2,520.00         |
|                   | S-4928       | Bounthan Sikhattana                                | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 7                | 4-1-35:7                    | 9.983           | A—Int. Ag.                | 2,360.00         |
|                   | S-4929       | Scott D. Chun &<br>Lynda Chun                      | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 8                | 4-1-35:8                    | 10.052          | A—Int. Ag.                | 2,080.00         |
|                   | S-4930       | Stephen K. Morse                                   | 2/18/87-<br>7/31/2021   | Waimanalo Ag. Park,<br>Phase 1, Lot 9                | 4-1-35:9                    | 9.250           | A—Int. Ag.                | 2,370.00         |
|                   | S-4931       | Clifford T. Fujimoto                               | 11/14/86-<br>11/13/2021 | Waimanalo Ag. Park,<br>Phase 1, Lot 10               | 4-1-35:10                   | 9.401           | A—Int. Ag.                | 2,050.00         |
|                   | S-4932       | Koba's Nursery                                     | 11/14/86<br>11/13/2021  | Waimanalo Ag. Park,<br>Phase 1, Lot 11               | 4-1-35:11                   | 7.289           | A—Int. Ag.                | 1,800.00         |
|                   | S-4933       | Alvin M. Tsuruda &<br>Gail N. Y. Tsuruda           | 11/14/86<br>11/13/2021  | Waimanalo Ag. Park,<br>Phase 1, Lot 12               | 4-1-35:12                   | 5.771           | A—Int. Ag.                | 1,500.00         |
|                   | S-4934       | Lloyd Y. C. Ching &<br>Marilyn B. Y. Ching         | 11/24/86<br>11/23/2021  | Waimanalo Ag. Park,<br>Phase 1, Lot 13               | 4-1-35:13                   | 7.164           | A—Int. Ag.                | 1,710.00         |
|                   | S-4935       | Paul Y. Mayeda                                     | 11/24/86<br>11/23/2021  | Waimanalo Ag. Park,<br>Phase 1, Lot 14               | 4-1-35:14                   | 5.737           | A—Int. Ag.                | 1,170.00         |
|                   | S-5168       | Akamai Landscape &<br>Maintenance Service, Inc.    | 4/14/88-<br>4/13/2003   | Lot 32, Waimanalo<br>Farm Lots, Koolaupoko           | 4-1-27:18                   | 6.521           | A—Int. Ag.                | 32,300.00        |

# Summary of General Leases/Fourth Land District – Island of Kauai

GENERAL  
LEASES  
Island of  
Kauai

Fiscal Year 1989-90

| Use <sup>1</sup>               | Area (Acres) | Annual Rental  | No. of Leases <sup>2</sup> |
|--------------------------------|--------------|----------------|----------------------------|
| Intensive agriculture use      | 38,180.065   | \$612,095.35   | 38                         |
| Special livestock use          | —            | —              | —                          |
| Pasture use                    | 2,256.441    | 30,518.00      | 26                         |
| Commercial timber use          | —            | —              | —                          |
| Quarry use                     | —            | —              | —                          |
| Mining use                     | —            | —              | —                          |
| Recreational use               | 41.297       | 1,707.00       | 6                          |
| Watershed use                  | 131.250      | 112,800.00     | 3                          |
| Res. use                       | 105.740      | 300,590.00     | 110                        |
| Commercial and industrial use  | 64.569       | 224,050.00     | 26                         |
| Hotel, apartment and motel use | 4.068        | 49,800.00      | 2                          |
| Resort use                     | —            | —              | —                          |
| Unclass. uses                  | 662.057      | 105,448.10     | 50                         |
| TOTALS                         | 41,445.487   | \$1,437,048.45 | 261                        |

<sup>1</sup>The following Land Use Commission classification is used throughout: A – Agriculture  
C – Conservation  
R – Rural  
U – Urban

<sup>2</sup>Leases awarded directly are preceded by "D". All others are awarded by public auction.

## GENERAL LEASES

### Island of Kauai

Fiscal Year 1989-90

| Lease No. | Lessee   | Term of Lease       | Location  | Tax Map Key  | Area (Acres) | Classification and Use | Annual Rental |
|-----------|--|---------------------|---|--|--------------|------------------------|---------------|
| S-3649    | Michael M. Aki                                     | 5/11/61-5/10/91     | Lawai Hmstds., Koloa  | 2-5-05:04, 05 & 06   | 7.540        | A—Pasture              | 1,265.00      |
| S-3650    | August Aguiar                                      | 7/09/61-7/08/91     | Kapaa Rice & Kula Lots, Kapaa, Puna   | 4-5-05:06  | 1.871        | A—Int. Ag.             | 487.00        |
| S-3666    | William E & Evelyn P.O. Fernandes                  | 10/16/61-10/15/91   | Hanalei Hmstds., Puna   | 5-4-02:34 & 38   | 13.640       | A—Int. Ag.             | 175.00        |
| S-3674    | Lehua Fernandes-Salling and William Kimo Fernandes | 12/18/61-12/17/2001 | Wailua Rice & Kula Lots, Kawaihau Puna  | 4-2-03:05  | 4.406        | U—Com/Ind.             | 1,725.00      |
| S-3694    | Shoichi Nagamine                                   | 1/27/62-1/26/92     | Hanapepe Valley, Waimea, Kona   | 1-9-03:06  | 7.826        | A—Int. Ag.             | 595.00        |
| (D)S-3711 | County of Kauai                                    | 11/15/62-11/14/2027 | Hanapepe, Waimea, Kona  | 1-9-02:44, 46<br>1-9-03:23<br>1-9-04; 1-9-11;<br>1-9-12:47, 48,<br>49 & 50 | 10.426       | A—Unclass.             | Gratis        |
| (D)S-3713 | County of Kauai                                    | 11/15/62-11/14/2027 | Abandoned WW II Underground Tunnel, Puuopae, Waimea, Kekaha & Hanapepe Valley | 1-2-02 & Por. 01<br>1-8-07 & Por. 03                                       |              | A—Unclass. County      | Gratis        |
| S-3733    | Konko Kyo Church                                   | 2/25/63-2/24/93     | Hanapepe Rice & Kula Lots, Hanapepe, Kona                                     | 1-9-12:13  | 1.840        | A—Unclass. Elee.       | 360.00        |
| (D)S-3795 | Hawaiian Telephone Co.                             | 11/26/63-11/25/2013 | Hanapepe & Puu Ka Pele, Waimea, Kona  | 1-9-03:Por. 30<br>1-4-01:02  | 1.042        | A—Unclass. ROW         | 172.00        |
| S-3800    | Noboru Munechika & Michie N. Munechika             | 1/25/64-1/24/2004   | Hanapepe Rice & Kula Lots, Waimea Kona  | 1-9-02:06 & 07   | 2.930        | A—Int. Ag.             | 435.00        |



GENERAL  
LEASES  
Island of  
Kauai

| Lease No. | Lessee                                  | Term of Lease       | Location  | Tax Map Key   | Area (Acres) | Classification and Use | Annual Rental          |
|-----------|---|---------------------|---|---|--------------|------------------------|------------------------|
| S-3827    | East Kauai Water Co., Ltd.              | 5/11/64-5/10/94     | Drainage Basins of N. Wailua, Kapaa, Anahola & Hanalei Rivers, Kapaa, Halelea | 4-6-03:34 & 35<br>4-6-06:07, 20, 23, 31 & 37<br>4-6-07:09, 11, 12 & 22<br>4-6-08:30 & 56<br>4-6-09:05, 06, 13, 17 & 24<br>4-6-10:04 & 05<br>4-6-14:13 & 14<br>4-6-15:23<br>4-6-20:14<br>4-6-25:38<br>4-6-26:01<br>4-6-27:25 & 26<br>4-6-28:15 & 16<br>4-6-32: 22, 23, 30, 32 & 35 |              | C—Watershed License    | 104,400.00             |
| S-3828    | Lihue Plantation Co., Ltd.              | 5/11/64-5/10/94     | Por. Moloaa For. Res. Papaa, Moloaa, Kawaihau                                 | 4-9-01:por 1  | 125.000      | C—Watershed License    | 2,400.00               |
| S-3831    | Maruko, Inc.                            | 5/18/64-5/17/2029   | Wailua Resort Site, Lihue   | 3-9-06:16   | 2.497        | U—Com/Ind.             | 38,084.00              |
| S-3832    | Michael J. Warriner & Linda J. Warriner | 5/18/64-5/17/2019   | Por. Kapaa, Kawaihau  | 4-5-11:46   | .593         | U—Com/Ind.             | 7,700.00               |
| S-3840    | Maruko, Inc.                            | 7/06/64-7/05/2029   | Wailua resort Site, Wailua  | 3-9-06:20   | 6.093        | U—Com/Ind.             | 74,416.00              |
| S-3842    | Bank of Hawaii                          | 7/06/64-7/05/94     | Hanapepe Town Lots, Waimea  | 1-9-05:49   | .452         | U—Com/Ind.             | 7,800.00               |
| (D)S-3852 | U.S. Of America (Navy)                  | 8/20/64-8/19/2029   | Bonham Air Force Base, Kona   | 1-2-02:25, 26, 27 & 28  | 189.557      | U—Unclass. Fed.        | 1.00<br>Paid—Full Term |
| (D)S-3863 | Kauai County, Y.W.C.A.                  | 4/01/65-3/31/2020   | Por. Kokee Camp Sites, Waimea   | 1-4-04:33   | 3.607        | C—Rec.                 | 840.00                 |
| (D)S-3879 | Kauai Electric Co., Ltd.                | 1/11/65-1/10/2030   | Hanapepe Transformer Site, Waimea   | 1-8-08:70   | .017         | U—Unclass. ROW         | 78.00                  |
| S-3882    | East Kauai Water Co., Ltd.              | 1/11/65-5/10/94     | Kapaa Hmstds., Kapaa  | 4-6-05:08   | 3.360        | U—Res.                 | 100.00                 |
| S-3883    | Kanichi & Alicia Tanigawa               | 1/11/65-1/10/93     | Hanapepe Town Lots, Hanapepe  | 1-9-10:33   | .181         | U—Com/Ind.             | 2,400.00               |
| (D)S-3911 | Kauai Electric Co., Ltd.                | 4/14/65-4/13/2030   | Por. Wailua, N. Olohena, Waipouli, Lihue, Kawaihau, Puna                      | 3-9-01<br>4-2-01  | 26.420       | A—Unclass. ROW         | 515.00                 |
| (D)S-3917 | U.S. of America                         | 2/1/65-1/31/2020    | Kokee Pacific Range Missile Facilities, Waimea                                | 1-4-01:por. 13  | 22.900       | C—Unclass.             | 600.00                 |
| (D)S-3928 | U.S. of America (Army)                  | 9/01/65-8/31/2030   | Kokee, Waimea   | 1-4-01:por. 13  | 8.450        | C—Unclass.             | Gratis                 |
| (D)S-3937 | County of Kauai                         | 11/01/65-10/31/2030 | Hanapepe, Waimea  | 1-9-04:21   | 3.151        | U—Unclass.             | Gratis                 |
| S-3940    | Citizens Utilities Co.                  | 11/16/65-11/15/2030 | Por. Hanalei, Wailua & Kalaheo  | 2-3-01; 2-3-02; 2-3-12:01; 2-4-01; 3-9-01; 3-9-02:15; 4-2-01:02; 5-3-01:03; 5-4-01:01   | 74.380       | A—Unclass. ROW         | 4,000.00               |
| S-3941    | Smith's Motor Boat Service, Inc.        | 11/16/65-11/15/2020 | Wailua Coconut Grove Kawaihau, Puna   | 4-1-03:18   | .313         | U—Com/Ind.             | 220.00                 |
| S-3945    | Leroy K.A. Aguiar                       | 12/16/65-12/15/2000 | Kapaa Hmstds., Kawaihau, Puna   | 4-6-05:11   | 4.110        | A—Int. Ag.             | 600.00                 |
| (D)S-3952 | U.S. of America (Navy)                  | 12/17/65-12/16/2030 | Waimea  |   | 248.220      | C—Unclass.             | Gratis                 |
| S-3960    | Hitoshi & Hatsue K. Miyabara            | 2/17/66-2/16/96     | Hanapepe Rice & Kula Lots, Waimea, Kona                                       | 1-9-02:01 & 20  | 3.326        | A—Int. Ag.             | 385.00                 |

| Lease No. | Lessee                                  | Term of Lease       | Location  | Tax Map Key            | Area (Acres)   | Classification and Use                    | Annual Rental   |
|-----------|---|---------------------|---|------------------------|--|---|---|
| S-3973    | Leialoha Dung                           | 5/26/66-5/25/2031   | Lot 25, Hanapepe Rice & Kula Lots, Waimea, Kona                           | 1-9-01:Por. 11         | .174   | A—Unclass. ROW                            | 6.50  |
| S-3977    | R.K.U. Enterprises, Inc.                | 5/26/66-5/25/2021   | Hanapepe Town Lots, Waimea, Kona  | 1-9-05:07              | .158   | U—Com/Ind.                                | 2,000.00  |
| S-3987    | Helen H. Souza                          | 8/01/68-7/31/88     | Kapaa Rice & Kula Lots, Kawaihau, Puna                                    | 4-5-15:29              | .987   | A—Pasture                                 | 126.00  |
| S-3992    | Walter Lappert & Mary Lappert           | 7/14/66-7/13/2031   | Por. Lawai, Koloa   | 2-5-02:34              | .037   | A—Unclass. ROW                            | 18.00   |
| S-3993    | Ichiji & Masako Matsumura               | 7/14/66-7/13/2001   | Por. Kapaa Hmstds., Kawaihau, Puna  | 4-6-05:09              | 3.000  | A—Int. Ag.                                | 1,000.00  |
| (D)S-4022 | Hawaiian Telephone Co.                  | 11/17/66-11/16/2031 | Por. Kapaa Rice & Kula Lots, Kawaihau                                     | 4-5-15:Por. 28         | .156   | A—Unclass. ROW                            | 35.00   |
| S-4023    | Tetsuro Maeda & Yoshio Hiranaka dba T & | 11/17/66-11/16/2021 | Nawiliwili Harbor Lots, Lihue   | 3-2-04:11              | .618   | U—Com/Ind.                                | 11,000.00   |
| S-4092    | Samuel K. Thronas                       | 2/16/67-2/15/2002   | Parcels A & B, Wailua Game Res., N & S. Olohana Waipouli, Kapaa, Kawaihau | 4-2-01:01<br>4-4-01:01 | 1,855.000  | A—Pasture                                 | 3,225.00  |
| (D)S-4128 | Boy Scouts of America, Aloha Council    | 12/01/67-11/30/2022 | Waimea Canyon Park, Waimea (Kona)   | 1-4-01:15              | 29.000   | C—Rec.                                    | 470.00  |
| S-4135    | McBryde Sugar Co., Ltd.                 | 11/29/67-11/28/2032 | Waimea (Kona) & 04  | 1-9-03:02, 03 ROW      | 1.710  | A—Unclass.                                | 26.00   |
| S-4200    | Earl's Inc.                             | 8/01/68-7/31/2023   | Kawaihau (Puna)   | 4-5-15:40              | 2.035  | U—Com/Ind.                                | 825.00  |
| S-4222    | Kekaha Sugar Co., Ltd.                  | 1/01/69-12/31/93    | Waimea (inc. HHL) (Kona)  | 1-2-02:01 & 23         | 7,380.657<br>927.130<br>7,759.423<br><u>11,657.548</u><br>27,724.758 | A—Int. Ag Cane<br>Contributory<br>Pasture | 354,300.00<br>44,500.00<br>15,000.00<br><u>413,800.00</u> |
| (D)S-4240 | University of Hawaii                    | 4/25/69-4/24/99     | Wailua, Kawaihau (Puna)   | 4-1-01:17<br>4-1-02:07 | 9.830  | A—Int. Ag.                                | 1.00  |
| S-4244    | Wailua Associates                       | 5/13/69-5/12/2034   | Parts 1 & 2, Wailua, Kawaihau (Puna)                                      | 4-1-05                 | .065   | U—Com/Ind.<br>Paid—Full Term              | 730.00  |
| (D)S-4250 | Honolulu Gas Co., Ltd.                  | 9/09/68-9/08/2023   | Nawiliwili  | 3-2-03:30              | 1.614  | U—Com/Ind.                                | 3,770.00  |
| S-4254    | T. T. Kuramoto & Co., Ltd.              | 8/12/69-8/11/2024   | Kekaha Town Lots, Kekaha, Waimea,   | 1-3-03:40              | .302   | U—Com/Ind.                                | 515.00  |
| S-4256    | Kekaha Sugar Co., Ltd.                  | 8/12/69-8/11/89     | Waimea (Kona)   | 1-5-01:19              | 6.250  | C—Watershed License                       | 6,000.00  |
| S-4257    | Martin J. Kahn & Carol Ann Kahn         | 8/12/69-8/11/2019   | Kapaa Town Lots, Kawaihau (Puna)  | 4-5-09:08              | .351   | U—Com/Ind.                                | 733.00  |
| (D)S-4259 | U.S. of America (Army)                  | 6/17/69-6/16/89     | Parcels 1 & 2, Kokee State Park   | 1-4-01:03              | 1.343  | C—Unclass.                                | Gratis  |
| (D)S-4265 | Kauai Electric Co., Ltd.                | 3/15/66-3/14/2031   | Wailua, Lihue   | 3-9-06:26              | .158   | U—Unclass. ROW                            | 1,300.00  |
| S-4275    | Denny's Repair & Service, Inc.          | 2/25/70-2/24/2025   | Hanapepe Town Lots, Waimea (Kona)   | 1-9-05:09              | .322   | U—Com/Ind.                                | 632.00  |
| S-4276    | Iolani Sportswear, Ltd.                 | 1/27/70-1/26/2035   | Hanapepe Business Lots, Waimea (Kona)                                     | 1-8-08:40              | 1.256  | U—Com/Ind.                                | 1,970.00  |
| S-4277    | William J. Sanchez                      | 1/27/70-1/26/95     | Kapaa Hmstds., Kawaihau (Puna)  | 4-4-04:05              | 49.701   | A—Pasture                                 | 1,550.00  |
| (D)S-4388 | Antone & Pearl F. Perez (Perry)         | 5/02/74-5/01/2039   | Easement A, Lawai Hmstds., Lawai Kona                                     | 2-5-02                 | .021   | A—Unclass. ROW                            | 25.00   |
| (D)S-4389 | Manuel & Elsie F. Perez (Perry)         | 5/02/74-5/01/2039   | Easement B, Lawai Hmstds., Lawai Kona                                     | 2-5-02                 | .024   | A—Unclass. ROW                            | 30.00   |

GENERAL  
LEASES  
Island of  
Kauai



| GENERAL<br>LEASES  | Lease<br>No. | Lessee  | Term of<br>Lease        | Location   | Tax Map<br>Key   | Area<br>(Acres) | Classification<br>and Use              | Annual<br>Rental         |
|--------------------|--------------|---|-------------------------|--|--|-----------------|--|--------------------------|
| Island of<br>Kauai | S-4392       | Toshio & Lois N.<br>Hashimoto   | 12/20/73-<br>5/25/2031  | Hanapepe Rice &<br>Kula Lots,<br>Hanapepe, Waimea<br>Kona                          | 1-9-01:11  | 4.080           | A—Int. Ag. &<br>Res.                   | 1,951.00                 |
|                    | S-4393       | Christopher Barry<br>Singleton  | 1/18/74-<br>1/17/2029   | Kainahola Pasture<br>Land, Waipouli,<br>Kawaihau (Puna)                            | 4-4-04:44  | 40.260          | A—Int. Ag.                             | 3,025.00                 |
|                    | S-4394       | Pride Co., Inc.   | 12/20/73-<br>12/19/93   | Waiahole, Waimea<br>Valley, Waimea (Kona)  | 1-5-03:01  | 11.660          | A—Int. Ag.                             | 1,282.00                 |
|                    | S-4396       | Terry Wells &<br>Carole Wells,<br>Leland Nishek &<br>Barbara Nishek   | 1/18/74-<br>1/17/94     | Kapaa Hmstds.,<br>Kawaihau (Puna)  | 4-4-02:31  | 19.150          | A—Pasture                              | 390.00                   |
|                    | S-4397       | William Nestuk &<br>Betty L. Nestuk   | 1/20/73-<br>12/19/2038  | Nawiliwili Harbor<br>Nawiliwili, Lihue<br>Puna                                     | 3-2-04:56  | .808            | U—Unclass.<br>Parking &<br>Landscaping | 420.00                   |
|                    | S-4398       | Kapaa Poi Factory,<br>Inc.  | 1/20/73-<br>12/29/2008  | Kainahola Pasture<br>Land, Waipouli,<br>Kawaihau (Puna)                            | 4-4-04:43  | 3.000           | A—Com/Ind.                             | 1,200.00                 |
|                    | S-4401       | Kauai Soto Zen<br>Temple, Zenshuji,<br>Inc.   | 7/01/74-<br>6/30/2039   | Hanapepe, Waimea<br>(Kona)   | 1-8-08:77  | 3.126           | U—Unclass.                             | 2,400.00                 |
|                    | (D)S-4406    | County of Kauai   | 7/01/73-<br>6/30/2038   | Kalaheo, Koloa<br>(Kona)   | 2-4-09:06  | .171            | C—Unclass.<br>ROW                      | Gratis                   |
|                    | S-4412       | The Lihue Plantation<br>Co., Ltd.   | 10/31/74-<br>10/30/99   | Wailua, Lihue<br>(Puna)  | 3-9-01:02;<br>3-9-02:01,<br>12, 20,25,<br>26, 27 & 28;<br>3-9-06:09  | 6,543.668       | A—Int. Ag.                             | 112,742.00               |
|                    | S-4413       | The Lihue Plantation<br>Co., Ltd.   | 10/31/74-<br>10/30/99   | Wailua, Kapaa &<br>Anahola (Puna)  | 3-9-02:24;<br>3-9-06:12;<br>4-1-04:20;<br>4-3-04:08;<br>4-5-13:28;<br>4-5-15:35;<br>4-6-14:90;<br>4-7-04:04;<br>4-8-03:03; | 31.000          | A—Unclass.<br>ROW                      | 7,352.00                 |
|                    | (D)S-4414    | Rose Marie Kuntz,<br>Donald T. Kuntz,<br>Barbara A. Kuntz,<br>Donna M. Kuntz,<br>James S. Kuntz &<br>Michael J. Kuntz | 8/08/74-<br>8/07/2039   | Waioli, Hanalei<br>(Halelea)   | 5-5-06   | .212            | A—Unclass.<br>ROW                      | 216.00<br>Paid—Full Term |
|                    | (D)S-4436    | Tenrikyo Taiheiyo<br>Kyokai   | 9/01/75-<br>8/31/2040   | Kapaa Town Lots,<br>Kapaa, Kawaihau  | 4-5-08:08  | .347            | U—Unclass.                             | 1,680.00                 |
|                    | (D)S-4517    | GASCO, Inc.   | 4/1/72-<br>3/31/2037    | Por. of Gov't<br>Crown Land of Waimea<br>adj. to Lot 110 of<br>Kekaha Garden Subv. | 1-2-02   | .179            | U—Unclass.<br>ROW                      | 620.00                   |
|                    | (D)S-4547    | Citizens Utilities Co.  | 5/1/77-<br>4/30/2042    | Kekaha, Waimea   | 1-2-02   | 4.014           | U—Unclass.                             | 99.00                    |
|                    | (D)S-4551    | The Church of Jesus<br>Christ of Latter Day<br>Saints   | 5/1/80-<br>4/30/2045    | Kapaa, Kawaihau  | 4-5-09:Block K   | .252            | U—Unclass.                             | 25.00                    |
|                    | S-4554       | Eric Paul Christian   | 8/25/72-<br>8/24/2037   | Anahola,<br>Kawaihau   | 4-8-06:por. 26   | .062            | A—Unclass.<br>ROW                      | 324.60<br>Paid—Full Term |
|                    | (D)S-4564    | Honpa Hongwanji<br>Mission of Hawaii  | 7/08/77-<br>7/07/2042   | Lot 81,<br>Puu Ka Pele Park Lots,<br>Waimea  | 1-4-02:78  | 1.060           | C—Rec.                                 | 1.00                     |
|                    | (D)S-4571    | Kauai Electric Co.  | 4/13/73-<br>3/14/2031   | Wailua, Lihue<br>(Puna)  | 3-9-06:por. 9  | .124            | U—Com/Ind.                             | 950.00                   |
|                    | (D)S-4573    | Hanapepe Place<br>Associates  | 11/30/77-<br>11/29/2027 | Lot 23, Hanapepe<br>Business Lots,<br>Hanapepe, Waimea (Kona)                      | 1-8-08:64  | .978            | U—Com/Ind.                             | 6,400.00                 |
|                    | (D)S-4575    | Hiroshi Azeka &<br>Toshiko Azeka &<br>Norman David Thompson<br>& Karen Edith Thompson                                 | 11/30/77-<br>11/20/2017 | Gov't Remainder,<br>Nawiliwili, Lihue  | 3-2-04:14  | .576            | U—Com/Ind.                             | 19,730.00                |

| Lease No. | Lessee  | Term of Lease       | Location  | Tax Map Key                | Area (Acres) | Classification and Use | Annual Rental              | GENERAL LEASES<br>Island of Kauai |
|-----------|---|---------------------|---|----------------------------|--------------|------------------------|----------------------------|-----------------------------------|
| (D)S-4576 | Lihue Plantation Company, Ltd.  | 12/15/77-12/14/2002 | Por. of Anahola-Kamalomalo Gov't Lands, Kawaihau                                | 4-7-01, 02, 04; 4-8-02, 03 | 3,111.000    | A—Int. Ag. Cane        | 41,259.00                  |                                   |
| S-4576-A  | Wayne S. Royal & Jan W. Royal   | 12/16/77-12/15/2042 | Lot 7-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)                     | 1-9-12                     | .076         | A—Unclass. ROW         | 174.00<br>Paid—Full Term   |                                   |
| S-4581    | John D. Harder & Vida L. Harder                                       | 4/19/78-4/18/2043   | Gov't (Crown) Land of Anahola, Kawaihau (Puna) Being Easements "A-A" & "B-B"    | 4-8-04:3                   | 1.075        | A—Unclass. ROW         | 163.00<br>Paid—Full Term   |                                   |
| S-4585    | Walter S. Palmeira & Nardeen K. Palmeira                              | 5/04/78-5/03/93     | Por. of Gov't Crown Land of Wailua across Lihue Jail Site, Wailua, Lihue (Puna) | 3-9-02:17                  | 9.960        | A—Int. Ag.             | 900.00                     |                                   |
| S-4586    | McBryde Sugar Co., Ltd.   | 5/04/78-5/03/2003   | Lots 10-A & 10-A Hanapepe Rice & Kula Lots, Hanapepe, Waimea                    | 1-9-02:13 & 45             | 10.976       | A—Int. Ag. Cane        | 2,722.35                   |                                   |
| (D)S-4591 | Kauai Electric  | 10/13/67-10/12/2032 | Nawiliwili Substa. Site, Lihue, Puna  | 3-3-03                     | .021         | U—Unclass. ROW         | 33.00                      |                                   |
| (D)S-4596 | U.S. of America, Dept. of Navy  | 1/28/77-1/27/2027   | Mana, Waimea  | 1-2-02:por. 1              | .138         | C—Unclass.             | Gratis                     |                                   |
| (D)S-4597 | United States of America Dept. of the Navy                            | 9/8/78-8/19/2029    | Mana, Waimea Kona, Kauai  | 1-2-02:por. 1              | .110         | A—Unclass. ROW         | Gratis                     |                                   |
| S-4607    | Richard Cummings Kauai & Clement H. Kauai                             | 11/16/74-11/15/2038 | Kapaa, Kauai  | 4-6-09                     | .360         | U—Unclass. ROW         | 62.00<br>Paid—Full Term    |                                   |
| S-4618    | Henry Cobb-Adams III & Dora Leilani Cobb-Adams                        | 10/24/75-10/23/2040 | Anahola, Kawaihau (Koolau)  | 4-8-06:por. 25, 55 & 56    | .192         | A—Unclass. ROW         | 442.00<br>Paid—Full Term   |                                   |
| S-4645    | Wailua Associates   | 5/16/80-5/15/2045   | Wailua, Kawaihau (Puna)   | 4-1-03:por. 39             | .018         | U—Unclass. ROW         | 2,900.00<br>Paid—Full Term |                                   |
| S-4646    | Michael E. Estep & Victoria Estep, Raymond W. Miller & Gail K. Miller | 5/16/80-5/15/2045   | Omao, Koloa   | 2-7-04:por. 12             | .159         | A—Unclass. ROW         | 4,690.00<br>Paid—Full Term |                                   |
| S-4647    | Maruko, Inc.  | 5/16/80-7/5/2029    | Wailua, Lihue   | 3-9-06:16                  | 1.770        | U—Unclass.             | 9,714.00                   |                                   |
| S-4648    | Michael J. Warriner & Linda J. Harding Warriner                       | 6/15/80-6/14/95     | Kapaa, Kawaihau   | 4-5-12:5                   | .221         | U—Unclass.             | 4,600.00                   |                                   |
| S-4649    | Ficker and Hunt   | 5/16/80-5/15/2005   | Kekaha, Waimea  | 1-3-03:41                  | .552         | U—Com/Ind.             | 3,900.00                   |                                   |
| S-4650    | Kauai Sand & Gravel, Inc.   | 6/15/80-6/14/2000   | Wailua, Lihue (Puna)  | 3-9-02:3                   | 45.023       | A—Pasture              | 4,500.00                   |                                   |
| S-4654    | Pride Company, Inc.   | 5/16/800-5/15/2000  | Kekaha, Waimea (Kona)   | 1-2-02:35                  | 42.019       | A—Int. Ag.             | 3,000.00                   |                                   |
| S-4659    | Smith's Motor Boat Service, Inc.                                      | 10/15/78-10/14/88   | Wailua, Kawaihau (Puna)   | 3-9-04:3                   | .167         | C—Unclass.             | 48,000.00                  |                                   |
| (D)S-4672 | U.S. of America, Dept. of the Navy                                    | 2/9/79-2/8/89       | Waimea, (Kona),   | 1-2-01                     | .014         | C—Unclass.             | Gratis                     |                                   |
| S-4674    | Honpa Hongwanji Mission   | 2/1/81-1/31/96      | Kapaa, Kawaihau (Puna)  | 4-5-06:08                  | .570         | U—Unclass.             | 2,800.00                   |                                   |
| S-4739    | Walter Lappert  | 7/16/81-7/15/2021   | Lot 15, Brodie Lots, Hanapepe   | 1-8-08:62                  | .385         | U—Com/Ind.             | 5,800.00                   |                                   |
| S-4740    | Wailua Associates   | 7/16/81-7/15/2006   | Par. C. Wailua Coconut Grove,   | 4-1-03:17                  | .855         | U—Hotel, Apt. & Motel  | 7,800.00                   |                                   |
| S-4741    | Pioneer Hi-Bred International, Inc.                                   | 7/16/81-7/15/2016   | Government Land, Kekaha   | 1-2-02:por. 6              | 5.601        | A—Int. Ag.             | 2,625.00                   |                                   |
| S-4742    | Nemesio Carlos  | 8/15/81-8/14/91     | Government Land, Kapaa  | 4-3-04:12                  | 3.000        | U—Int. Ag.             | 520.00                     |                                   |
| S-4745    | Kauai Sand and Gravel, Inc.   | 1/16/82-1/15/92     | Government Land, Wailua House Lots  | 4-1-09:17                  | 11.796       | U—Pasture              | 2,100.00                   |                                   |
| S-4746    | Lincoln Y.T. Ching  | 7/16/81-7/15/91     | Government Land, Kapaa Rice & Kula Lots   | 4-5-15:10, 28 & por. 37    | 30.586       | U—Pasture              | 1,350.00                   |                                   |



GENERAL  
LEASES  
Island of  
Kauai

| Lease No. | Lessee                              | Term of Lease       | Location  | Tax Map Key                 | Area (Acres) | Classification and Use    | Annual Rental |
|-----------|-------------------------------------|---------------------|---|-----------------------------|--------------|---------------------------|---------------|
| S-4779    | Tsutao Okasako                      | 12/3/81-12/2/96     | Por. of Lot 173, Kapaa Hmstds., Third Series, Kapaa   | 4-6-08:01                   | 21.400       | A—Int. Ag.                | 2,501.00      |
| S-4780    | Samuel K. Thronas                   | 12/3/81-12/2/91     | Lot 24, Wailua Rice & Kula Lots, Wailua   | 3-9-04:1;<br>3-9-02:por.30  | 7.824        | C—Pasture                 | 1,150.00      |
| S-4781    | Kauai Sand and Gravel, Inc.         | 1/2/82-1/1/92       | Gov't. (Crown) Land of Wailua, Wailua   | 3-9-05:19 & 20              | 21.330       | C—Pasture                 | 320.00        |
| S-4782    | Fay T. Rapozo                       | 1/2/82-1/1/92       | Gov't. (Crown) Land of Kapaa, Kapaa   | 4-5-15:35, 36               | 11.509       | U—Pasture                 | 625.00        |
| S-4853    | Albert K. Kauai                     | 11/6/81-11/15/2046  | Kapaa River Rem. B.   | 4-6-09:32, 50               | .360         | A—Unclass.                | 275.00        |
| (D)S-4856 | Hawaiian Telephone Co.              | 10/1/81-9/30/2046   | Portion of Lihue Koloa Forest Reserve   | 2-4-09:por. 03              | .046         | C—Unclass.                | 55.00         |
| S-4859    | Dale M. Nagamine                    | 4/28/83-4/27/2003   | Lots 12-A-2 & 13-A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea   | 1-9-03:10                   | 4.037        | A—Int. Ag.                | 500.00        |
| S-4862    | Nicki Lynn Medeiros                 | 4/28/83-4/27/2003   | Lot 62, Kapaa Hmstds, 1st Series  | 4-6-06:28 & 29              | 9.170        | A—Int. Ag.                | 1,925.00      |
| S-4863    | Antone Andrade, Sr.                 | 4/28/83-4/27/2003   | Kuwaawaa Pasture Reserve, Kalaheo   | 2-4-03:01                   | 163.842      | A—Int. Ag.                | 6,550.00      |
| S-4865    | Antone Andrade, Sr.                 | 4/28/83-4/27/98 #6, | Kalaheo Reservoir Kalaheo Hmstds, 1st Series  | 2-4-03:17                   | 7.335        | A—Pasture                 | 1,050.00      |
| S-4866    | Janna Yates                         | 5/28/83-5/27/98     | Lot 47-A and por. of Lot 47-B, Omao Hmstds, Omao, Koloa   | 2-7-04:11                   | 5.916        | A—Pasture                 | 1,052.00      |
| S-4867    | George B. Fernandes                 | 5/28/83-5/27/98     | Lot 22, Wailua Rice & Kula Lots, Waiwa, Lihue   | 3-9-04:08                   | 8.280        | A—Pasture                 | 1,700.00      |
| S-4868    | Vernon J. Souza                     | 4/28/83-4/27/98     | Por. Lot 7, Wailua Rice & Kula Lots, Wailua Kawaihau (Puna)   | 4-1-02:20 & 22              | 4.080        | A—Pasture                 | 1,000.00      |
| S-4870    | Christina A. Apana                  | 5/28/83-5/27/98     | Lots 1-A & 1-B, Wailua Rice & Kula Lots,  | 4-1-06:01 & 02              | 3.442        | A—Pasture                 | 80.00         |
| S-4871    | Samuel K. Thronas                   | 4/28/83-4/27/98     | Govt Land situate between SE boundary of Nonou Forest Reserve and NW boundary of Wailua Rice and Kula Lots, Wailua, Kawaihau (Puna) | 4-1-09:20                   | 25.830       | A—Pasture                 | 700.00        |
| S-4872    | George B. Fernandes                 | 5/28/83-5/27/98     | Por. of Govt Crown Land of Wailua, Wailua, Kawaihau, Puna   | 4-1-09:07<br>4-1-10:16      | 7.452        | A—Pasture                 | 1,510.00      |
| S-4873    | Kauai Sand & Gravel, Inc.           | 5/28/83-5/27/98     | Lot 1, Kapaa Ag. Lot, Kapaa, Kawaihau   | 4-3-04:01,14,17             | 66.570       | A—Pasture                 | 4,000.00      |
| S-4874    | Patrick Lopez, Sr.                  | 5/28/83-5/27/98     | Kapaa River Rem. B, Kapaa Hmstds, 4th Series, Kapaa, Kawaihau (Puna)  | 4-6-09:50                   | 3.400        | A—Pasture                 | 1,475.00      |
| S-4875    | Kokee Ventures, Inc.                | 4/01/83-3/31/98     | Lots A, C, D, E & F Kokee State Pk, Waimea, (Kona)  | 1-4-04:32,73,               | 3.213        | C—Hotel, Apt. & Motel Use | 42,000.00     |
| S-4878    | Wailua Associates                   | 8/18/83-8/17/2048   | Wailua, Kawaihau, Pun   | 4-1-03:05                   | 14.834       | U—Com/Ind.                | 7,300.00      |
| S-4879    | Kekaha Sugar Co., Ltd.              | 11/1/83-10/31/2018  | Puu Ka Pele Forest Reserve, Waimea, Puna  | 1-2-01:por. 3, 4, 7, 8, & 9 | 22.469       | C—Com/Ind.                | 450.00        |
| S-4913-A  | Pioneer Hi-Bred International, Inc. | 12/29/83-7/15/2016  | Por. Govt. (Crown) Land of Waimea, Kekaha   | 1-2-02:por. 1 & 6           | 32.929       | A—Int. Ag.                | 900.00        |
| S-4918    | Waialeale Boat                      | 5/15/82-5/14/92     | Wailua River  | 3-9-02, 03 & 04             | .008         | C—Com/Ind.                | 19,800.00     |

| Lease No. | Lessee   | Term of Lease         | Location  | Tax Map Key                | Area (Acres) | Classification and Use | Annual Rental | GENERAL LEASES<br>Island of Kauai |
|-----------|--|-----------------------|---|----------------------------|--------------|------------------------|---------------|-----------------------------------|
| S-4937    | Tatsuo Nishi   | 11/15/84-<br>11/14/99 | Lot 22, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)                          | 1-9-12:37                  | 2.430        | A—Int. Ag.             | 450.00        |                                   |
| S-4938    | Russell H. Nonaka  | 1/13/85-<br>1/12/2000 | Lot 22, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)                          | 1-9-01:03                  | 4.950        | A—Int. Ag.             | 900.00        |                                   |
| S-4939    | George B. Fernandes  | 12/14/84-<br>12/13/99 | Par. 1, Wailua Resort Site, Wailua  | 3-9-06:11                  | 11.482       | A—Int. Ag.             | 1,155.00      |                                   |
| S-4940    | William J. Sanchez   | 11/14/84-<br>11/14/99 | Par. A, Kainahola Pasture Land, Kapaa Hmstds., 2nd Series, Waipouli (Puna)          | 4-4-04:04 & 51             | 33.930       | A—Int. Ag.             | 1,180.00      |                                   |
| S-4941    | Edwin Martins  | 11/15/84-<br>11/14/99 | Lot 36, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau (Puna)                           | 4-6-05:10                  | 6.240        | A—Int. Ag.             | 1,000.00      |                                   |
| S-4942    | Frank S. Nonaka  | 11/15/84-<br>11/14/99 | Lot 6A, Hanapepe Rice & Kula Lots, Hanapepe, Waimea (Kona)                          | 1-9-12:11                  | .950         | A—Int. Ag.             | 250.00        |                                   |
| S-4943    | Joseph E. Brun & John G. Rita  | 1/13/85-<br>1/12/2000 | Sec. E, Hanapepe Gov't. Land, Hanapepe, Waimea (Kona)                               | 1-8-06:03                  | 287.130      | A—Int. Ag.             | 1,875.00      |                                   |
| S-4944    | Mervin Lloyd Rapozo & Fay Takabayashi Rapozo                             | 12/14/84-<br>12/13/99 | Lots 2-B & 3 & Por. of Lots 5 & 6, Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna) | 4-1-02:por. 23 & 4-2-03:48 | 15.309       | A—Pasture              | 425.00        |                                   |
| S-4945    | Bernard P. Carvalho, Sr.   | 11/15/84-<br>11/14/99 | Lots 8-A & 8-B Wailua Rice & Kula Lots, Wailua, Kawaihau (Puna)                     | 4-1-02:12                  | 8.430        | A—Pasture              | 160.00        |                                   |
| S-4946    | Glenn Alquiza  | 1/18/85-<br>1/17/2000 | Lots 53 & 54 (Combined) Hanapepe Town Lots, 1st Series, Hanapepe, Waimea (Kona)     | 1-0-10:36 & 37             | .387         | U—Comm/Ind.            | 4,000.00      |                                   |
| S-4947    | Stanley R. Wasques   | 11/20/84-<br>11/19/99 | Lots 39-A & 52, Kapaa Hmstds., 1st Series, Kapaa, Kawaihau, (Puna)                  | 4-6-05:05                  | 2.600        | A—Int. Ag.             | 360.00        |                                   |
| S-4968    | Smith's Motor Boat Service, Inc.   | 7/3/85-<br>10/14/88   | Lot 21, Wailua  | 3-9-04:02                  | 22.160       | C—Unclass.             | 10,800.00     |                                   |
| S-4970    | Joel Cavasso   | 4/1/88-<br>3/31/2006  | Lot 4, Kokee Camp Site, Waimea  | 1-4-03:14                  | 1.050        | C—Res.                 | 1,700.00      |                                   |
| S-4971    | Jack G. Harter & Beverly J. Harter                                       | 1/1/86-<br>12/31/2005 | Lot 5, Kokee Camp Site, Waimea  | 1-4-03:16                  | .980         | C—Res.                 | 1,350.00      |                                   |
| S-4972    | Wayne J. Jacintho & Deborah S. Jacintho                                  | 1/1/86-<br>12/31/2005 | Lot 6, Kokee Camp Site, Waimea  | 1-4-03:04                  | .960         | C—Res.                 | 2,600.00      |                                   |
| S-4973    | Albert J. Kocher & Helen S. Kocher                                       | 1/1/86-<br>12/31/2005 | Lot 7, Kokee Camp Site, Waimea  | 1-4-03:05                  | .810         | C—Res.                 | 1,025.00      |                                   |
| S-4974    | Lealani Corporation  | 1/1/86-<br>12/31/2005 | Lots 8 & 37 Kokee Camp Site, Waimea   | 1-4-04:14                  | 1.200        | C—Res.                 | 3,200.00      |                                   |
| S-4975    | Alma B. Zalopany   | 1/1/86-<br>12/31/2005 | Lot 9, Kokee Camp Site, Waimea  | 1-4-03:06                  | .790         | C—Res.                 | 1,300.00      |                                   |
| S-4976    | Michael A. Givens  | 1/1/86-<br>12/31/2005 | Lot 10, Kokee Camp Site, Waimea   | 1-4-03:09                  | 1.420        | C—Res.                 | 2,550.00      |                                   |
| S-4977    | Anna J. Hansen   | 1/1/86-<br>12/31/2005 | Lot. 11, Kokee Camp Site, Waimea  | 1-4-03:07                  | 1.470        | C—Res.                 | 1,150.00      |                                   |
| S-4978    | Randall J. Hee, Nancy M. Hee, Bob A. Hee, Hong Min Hee, Violet C. L. Hee | 1/1/86-<br>12/31/2005 | Lot 12, Kokee Camp Site, Waimea   | 1-4-03:10                  | 2.000        | C—Res.                 | 1,350.00      |                                   |
| S-4979    | Grove Farm Company, Incorporated   | 1/1/86-<br>12/31/2005 | Lot 13, Kokee Camp Site, Waimea   | 1-4-03:08                  | 1.120        | C—Res.                 | 1,850.00      |                                   |



| GENERAL<br>LEASES<br>Island of<br>Kauai | Lease<br>No. | Lessee   | Term of<br>Lease      | Location                       | Tax Map<br>Key | Area<br>(Acres) | Classification<br>and Use | Annual<br>Rental |
|---|--------------|--|-----------------------|--------------------------------|----------------|-----------------|---------------------------|------------------|
|   | S-5057       | Paul S. Hurley &<br>Maile F. Hurley,<br>Wallace Isani Terui, Jr.   | 1/1/86-<br>12/31/2005 | Lot 11, Puu Ka<br>Pele, Waimea | 1-4-02:12      | .840            | C—Res.                    | 3,100.00         |
|   | S-5058       | Frank W. N. Cox &<br>Aileen S. Cox;<br>Lenore L. Seto;<br>Kaniau K. Torris;<br>H. Hoover Cox                     | 1/1/86-<br>12/31/2005 | Lot 12, Puu Ka<br>Pele, Waimea | 1-4-02:47      | .950            | C—Res.                    | 2,125.00         |
|   | S-5059       | Ka Imi Naauao O Hawaii<br>Nei  | 1/1/86-<br>12/31/2005 | Lot 13, Puu Ka<br>Pele, Waimea | 1-4-02:20      | 1.000           | C—Res.                    | 3,150.00         |
|   | S-5060       | Harry & Kathleen<br>Steward  | 1/1/86-<br>12/31/2005 | Lot 15, Puu Ka<br>Pele, Waimea | 1-4-02:23      | 1.020           | C—Res.                    | 3,325.00         |
|   | S-5061       | Robert B. Hansen   | 1/1/86-<br>12/31/2005 | Lot 16, Puu Ka<br>Pele, Waimea | 1-4-02:21      | .900            | C—Res.                    | 2,675.00         |
|   | S-5062       | Martin O. Wilson &<br>Palakata Corporation   | 4/1/86-<br>3/31/2006  | Lot 18, Puu Ka<br>Pele, Waimea | 1-4-02:25      | 1.050           | C—Res.                    | 2,825.00         |
|   | S-5063       | Robert Miller Harris<br>Kenneth Richard Wood &<br>Sheryl Ann Wood  | 1/1/86-<br>12/31/2005 | Lot 19, Puu Ka<br>Pele, Waimea | 1-4-02:26      | 1.030           | C—Res.                    | 2,650.00         |
|   | S-5064       | John J. Tenuto &<br>Gayla C. McCarthy  | 1/1/86-<br>12/21/2005 | Lot 20, Puu Ka<br>Pele, Waimea | 1-4-02:27      | .820            | C—Res.                    | 2,920.00         |
|   | S-5065       | Richard R. Singleton<br>& Judith Samford   | 1/1/86-<br>12/31/2005 | Lot 23, Puu Ka<br>Pele, Waimea | 1-4-02:46      | .790            | C—Res.                    | 2,950.00         |
|   | S-5066       | Charles E. Thompson<br>& Sue Ellen Thompson  | 1/1/86-<br>12/31/2005 | Lot 24, Puu Ka<br>Pele, Waimea | 1-4-02:13      | .990            | C—Res.                    | 3,300.00         |
|   | S-5067       | Wayne M. Sakai &<br>Edith N. Sakai;<br>Dennis M. Sakai &<br>Carol Y. Sakai;<br>Roy M. Nitta & Aileen S.<br>Nitta | 1/1/86-<br>12/31/2005 | Lot 25, Puu Ka<br>Pele, Waimea | 1-4-02:14      | .890            | C—Res.                    | 3,210.00         |
|   | S-5068       | Judith L. Matthews &<br>Ellen White  | 1/1/86-<br>12/31/2005 | Lot 29, Puu Ka<br>Pele, Waimea | 1-4-02:10      | 1.000           | C—Res.                    | 4,275.00         |
|   | S-5069       | Susan Stayton; Kay<br>Doty; Craig Millett  | 1/1/86-<br>12/31/2005 | Lot 30, Puu Ka<br>Pele, Waimea | 1-4-02:22      | .910            | C—Res.                    | 3,375.00         |
|   | S-5070       | Norman S. Nitta &<br>Priscilla M. Nitta;<br>Donald J. Nitta &<br>Janice F. Nitta;<br>Hisako U. Nitta             | 1/1/86-<br>12/31/2005 | Lot 33, Puu Ka<br>Pele, Waimea | 1-4-02:08      | .850            | C—Res.                    | 2,820.00         |
|   | S-5071       | Mary E. Atkinson   | 4/1/86-<br>3/31/2006  | Lot 35, Puu Ka<br>Pele, Waimea | 1-4-02:15      | 1.030           | C—Res.                    | 3,250.00         |
|   | S-5072       | Richard C. Sutton &<br>Ann Colgate Sutton  | 1/1/86-<br>12/31/2005 | Lot 37, Puu Ka<br>Pele, Waimea | 1-4-02:44      | .880            | C—Res.                    | 2,720.00         |
|   | S-5073       | Charles J. Haffner &<br>Janet Haffner;<br>Damascio Ruiz, Jr. &<br>Thelma L. Ruiz                                 | 1/1/86-<br>12/31/2005 | Lot 38, Puu Ka<br>Pele, Waimea | 1-4-02:43      | 1.030           | C—Res.                    | 2,500.00         |
|   | S-5074       | Robert L. Stevens;<br>J.S. Robertson III;<br>James Tucker; &<br>Henrietta P. Kaohelauii                          | 1/1/86-<br>12/31/2005 | Lot 43, Puu Ka<br>Pele, Waimea | 1-4-02:39      | 1.000           | C—Res.                    | 2,210.00         |
|   | S-5075       | James C. Richardson<br>Margaret J. Watt;<br>Jan W. TenBruggencate  | 1/1/86-<br>12/31/2005 | Lot 44, Puu Ka<br>Pele, Waimea | 1-4-02:40      | 1.000           | C—Res.                    | 2,525.00         |
|   | S-5076       | Helen S. Vierra &<br>Thomas W. Vierra  | 1/1/86-<br>12/31/2005 | Lot 46, Puu Ka<br>Pele, Waimea | 1-4-02:36      | 1.120           | C—Res.                    | 2,510.00         |
|   | S-5077       | James Hoyle  | 1/1/86-<br>12/31/2005 | Lot 47, Puu Ka<br>Pele, Waimea | 1-4-02:34      | 1.150           | C—Res.                    | 3,100.00         |
|   | S-5078       | George A. K. Kruse &<br>Martha S. Kruse  | 1/1/86-<br>12/31/2005 | Lot 48, Puu Ka<br>Pele, Waimea | 1-4-02:41      | 1.000           | C—Res.                    | 1,625.00         |
|   | S-5079       | Sabra McCracken<br>Lewis, dba<br>Zuttermister's Hula<br>Studio   | 1/1/86-<br>12/31/2005 | Lot 50, Puu Ka<br>Pele, Waimea | 1-4-02:35      | 1.010           | C—Res.                    | 3,000.00         |
|   | S-5080       | Kiyoshi Nakaya &<br>Julia Nakaya   | 1/1/86-<br>12/31/2005 | Lot 51, Puu Ka<br>Pele, Waimea | 1-4-02:51      | 1.050           | C—Res.                    | 2,525.00         |

| Lease No. | Lessee  | Term of Lease         | Location   | Tax Map Key               | Area (Acres) | Classification and Use | Annual Rental | GENERAL LEASES<br>Island of Kauai |
|-----------|---|-----------------------|--|---------------------------|--------------|------------------------|---------------|-----------------------------------|
| S-5081    | Paulette Burtner  | 1/1/86-<br>12/31/2005 | Lot 52, Puu Ka<br>Pele, Waimea                   | 1-4-02:52                 | 1.030        | C—Res.                 | 3,725.00      |                                   |
| S-5082    | Ward Holmes   | 4/1/86-<br>3/31/2006  | Lot 53, Puu Ka<br>Pele, Waimea                   | 1-4-02:53                 | 1.030        | C—Res.                 | 2,700.00      |                                   |
| S-5083    | Ann Howard Downs  | 1/1/86-<br>12/31/2005 | Lot 54, Puu Ka<br>Pele, Waimea                   | 1-4-02:54                 | 1.050        | C—Res.                 | 3,350.00      |                                   |
| S-5084    | Ralph S. Kouchi;<br>Alvin M. Kouchi;<br>Neil Shiraki;<br>Garrett Sokei; &<br>Eric Sakazaki  | 4/1/86-<br>3/31/2006  | Lot 59, Puu Ka<br>Pele, Waimea                   | 1-4-02:59                 | 1.010        | C—Res.                 | 2,450.00      |                                   |
| S-5085    | Jim Pfab  | 4/1/86-<br>3/31/2006  | Lot 60, Puu Ka<br>Pele, Waimea                   | 1-4-02:60                 | 1.010        | C—Res.                 | 3,100.00      |                                   |
| S-5086    | Richard A. Kawakami &<br>Bertha B.L. Kawakami;<br>Akira & Gertrude S. Toma  | 1/1/86-<br>12/31/2005 | Lot 61, Puu Ka<br>Pele, Waimea                   | 1-4-02:61                 | .950         | C—Res.                 | 2,500.00      |                                   |
| S-5087    | Jane Winter &<br>Ihor Basko   | 1/1/86-<br>12/31/2005 | Lot 62, Puu Ka<br>Pele, Waimea                   | 1-4-02:62                 | 1.050        | C—Res.                 | 780.00        |                                   |
| S-5088    | Paul T. Matsunaga &<br>Arlene Y. Matsunaga  | 1/1/86-<br>12/31/2005 | Lot 63, Puu Ka<br>Pele, Waimea                   | 1-4-02:63                 | .900         | C—Res.                 | 2,550.00      |                                   |
| S-5089    | Wallace K. Tasaka &<br>Yuriko N. Tasaka &<br>Richard H. Nagoshi   | 1/1/86-<br>12/31/2005 | Lot 69, Puu Ka<br>Pele, Waimea                   | 1-4-02:66                 | .870         | C—Res.                 | 580.00        |                                   |
| S-5090    | Dennis E. Fukushima &<br>Jerilyn R. Fukushima;<br>Warren H. Onishi;<br>Glenn Katahara; &<br>Maurice Contrades   | 4/1/86-<br>3/31/2006  | Lot 70, Puu Ka<br>Pele, Waimea                   | 1-4-02:67                 | .790         | C—Res.                 | 2,700.00      |                                   |
| S-5091    | Robert Taylor Sweney  | 1/1/86-<br>12/31/2005 | Lot 71, Puu Ka<br>Pele, Waimea                   | 1-4-02:68                 | 1.120        | C—Res.                 | 3,000.00      |                                   |
| S-5092    | Calvin M. Tokita &<br>Phyllis Y. Y. Tokita  | 1/1/86-<br>12/31/2005 | Lot 72, Puu Ka<br>Pele, Waimea                   | 1-4-02:69                 | 1.080        | C—Res.                 | 2,625.00      |                                   |
| S-5093    | John Enos, Jr. &<br>Aileen P.T.S. Enos  | 1/1/86-<br>3/31/2006  | Lot 74, Puu Ka<br>Pele, Waimea                   | 1-4-02:71                 | .900         | C—Res.                 | 3,500.00      |                                   |
| S-5094    | Albert C. Braun, Jr. &<br>Adele A. Braun  | 1/1/86-<br>12/31/2005 | Lot 76, Puu Ka<br>Pele, Waimea                   | 1-4-02:73                 | .960         | C—Res.                 | 2,650.00      |                                   |
| S-5095    | Isaac W. Kaiu &<br>Gladys Y. Kaiu;<br>Philip S.H. Ing &<br>Myrna L. Ing   | 1/1/86-<br>12/31/2005 | Lot 78, Puu Ka<br>Pele, Waimea                   | 1-4-02:75                 | .980         | C—Res.                 | 3,200.00      |                                   |
| S-5096    | Jennie L. Lyum &<br>Leslie M. H. Lyum   | 1/1/86-<br>12/31/2005 | Lot 79, Puu Ka<br>Pele, Waimea                   | 1-4-02:76                 | 1.150        | C—Res.                 | 2,225.00      |                                   |
| S-5097    | Anthony P. Locricchio &<br>Barbara M. Locricchio;<br>Gerry P. Germo &<br>Carol D. U. K. Germo;<br>David E. Howell &<br>Sandra L. Howell;<br>John P. Waters &<br>Kathleen Bettyas; &<br>Micheal A. Blank | 4/1/86-<br>3/31/2006  | Lot 82, Puu Ka<br>Pele, Waimea                   | 1-4-02:79                 | 1.110        | C—Res.                 | 3,300.00      |                                   |
| S-5098    | Leonard K. Pope &<br>Paula E. Pope;<br>Sherwood C. Conant II &<br>Lili Bryan-Conant;<br>& Salvatore F. DeLeonardo   | 1/1/86-<br>12/31/2005 | Lot 83, Puu Ka<br>Pele, Waimea                   | 1-4-02:81                 | 1.000        | C—Res.                 | 2,500.00      |                                   |
| S-5099    | Robert J. Orlik &<br>Ferne V. Orlik   | 1/1/86-<br>12/31/2005 | Lot 84, Puu Ka<br>Pele, Waimea                   | 1-4-02:86                 | .820         | C—Res.                 | 2,500.00      |                                   |
| S-5100    | Leonard J. Vierra &<br>Lillian L. Sakaguchi   | 1/1/86-<br>12/31/2005 | Lot 89, Puu Ka<br>Pele, Waimea                   | 1-4-02:85                 | .990         | C—Res.                 | 1,650.00      |                                   |
| S-5101    | Hawaii Conference of the<br>United Church of Christ   | 1/1/86-<br>12/31/2005 | Lot 56, Kokee<br>Camp Site, Waimea               | 2-4-02:27                 | .500         | C—Rec.                 | 132.00        |                                   |
| S-5102    | Hawaii Methodist Union  | 1/1/86-<br>12/31/2005 | Lots 14, 90 & 91<br>Puu Ka Pele, Waimea          | 1-4-02:24                 | 3.050        | C—Rec.                 | 132.00        |                                   |
| S-5103    | Hawaiian Association of<br>Seventh-Day Adventists   | 1/1/86-<br>12/31/2005 | Lots 55, 56, 57,<br>& 58, Puu Ka Pele,<br>Waimea | 1-4-02:44, 56,<br>57 & 58 | 4.080        | C—Rec.                 | 132.00        |                                   |



| GENERAL<br>LEASES<br>Island of<br>Kauai | Lease<br>No. | Lessee  | Term of<br>Lease       | Location  | Tax Map<br>Key        | Area<br>(Acres) | Classification<br>and Use | Annual<br>Rental |
|---|--------------|---|------------------------|---|-----------------------|-----------------|---------------------------|------------------|
|   | S-5110       | Lehua Fernandes Salling<br>& William Kimo Fernandes | 4/13/84-<br>12/17/2001 | Wailua, Kawaihau<br>(Puna)  | 3-9-04:por. 2         | 1.429           | C—Unclass.<br>(Easement)  | 200.00           |
|   | S-5113       | Iwao Nonaka   | 3/29/86-<br>3/28/2001  | Lot 24, Hanapepe<br>Rice & Kula Lots,<br>Hanapepe, Waimea   | 1-9-01:14             | 6.100           | A—Int. Ag.                | 1,475.00         |
|   | S-5114       | Samuel K. Thronas                                   | 2/27/86-<br>2/26/2001  | Lots 23-A & 23-B<br>Wailua Rice & Kula<br>Lots, Wailua,<br>Kawaihau (Puna)                              | 4-2-03:03             | 14.405          | A—Pasture                 | 400.00           |
|   | S-5115       | Mervin L. Rapozo                                    | 2/27/86-<br>2/26/2001  | Lots 16, 17 & 18<br>Wailua Rice & Kula<br>Lots, Wailua,<br>Kawaihau (Puna)                              | 4-1-01:01, 03<br>& 04 | 12.300          | A—Int. Ag.                | 850.00           |
|   | S-5116       | Steven Pillars                                      | 2/27/86-<br>2/26/2001  | Parcels A & B<br>Portions of Gov't<br>(Crown) Land of<br>Kapaa, Kawaihau<br>(Puna)                      | 4-6-09:46             | 6.500           | A—Pasture                 | 75.00            |
|   | S-5117       | George B. Fernandes                                 | 2/27/86-<br>2/26/2001  | Portion of Gov't<br>(Crown) Land of<br>Wailua, Kawaihau<br>(Puna)                                       | 4-1-09:08             | 11.746          | A—Pasture                 | 200.00           |
|   | S-5118       | Masao Takatsuki                                     | 2/27/86-<br>2/26/2001  | Lots 12, 13 & 14<br>Wailua Rice & Kula<br>Lots, Wailua,<br>Kawaihau, (Puna)                             | 4-1-01:12             | 6.130           | A—Int. Ag.                | 420.00           |
|   | S-5119       | Samuel K. Thronas                                   | 2/27/86-<br>2/26/2001  | Lot 15 Adjoining<br>Gov't Land, Wailua<br>Rice & Kula Lots,<br>Wailua, Kawaihau<br>(Puna)               | 4-1-01:07             | 16.710          | A—Int. Ag.                | 800.00           |
|   | S-5120       | Manuel Andrade, Jr.<br>& Manuel H. Andrade, Sr.     | 3/29/86-<br>3/28/2001  | Lot 7-A, Hanapepe<br>Rice & Kula Lots<br>Hanapepe, Waimea<br>(Kona)                                     | 1-9-12:05             | 3.080           | A—Int. Ag.                | 1,000.00         |
|   | S-5121       | Joseph H. Chu &<br>Helen B. H. Chu                  | 3/29/86-<br>3/28/2001  | Lot 19, Hanapepe<br>Rice & Kula Lots,<br>Hanapepe, Waimea<br>(Kona)                                     | 1-9-02:19             | 1.140           | A—Int. Ag.                | 500.00           |
|   | S-5122       | William E. Fernandes                                | 2/27/86-<br>2/26/2001  | Lots 26, 27, 29<br>30 & 37, and<br>Portion of Hoopau<br>Swamp of Hanalei<br>Hmstds., Hanalei, (Halelea) | 5-4-03:33 & 42        | 7.300           | A—Pasture                 | 90.00            |
|   | S-5126       | Hui O Laka  | 1/1/86-<br>12/31/2005  | Lot 9, Puu Ka<br>Pele Park Lots   | 1-4-02:45             | .720            | C—Res.                    | 264.00           |
|   | S-5153       | Saiva Siddhanta Church                              | 3/15/86-<br>3/14/2011  | Wailua, Kawaihau<br>(Puna)  | 4-2-02:114            | 2.960           | C—Unclass.                | 276.00           |
|   | (D)S-5184    | United States of<br>America (Navy)                  | 2/04/89-<br>12/16/2030 | Milolii, Waimea<br>(Kona)   | 1-2-01:6              | .014            | C—Unclass.<br>Easement    | 1.00             |

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