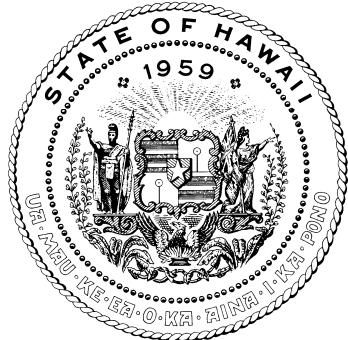


REPORT TO THE TWENTY-NINTH LEGISLATURE  
STATE OF HAWAII  
2017 REGULAR SESSION

RELATING TO THE WILDLIFE REVOLVING FUND  
FISCAL YEAR 2016



Prepared by

THE STATE OF HAWAI'I  
DEPARTMENT OF LAND AND NATURAL RESOURCES

In response to Section 183D-10.5, Hawai'i Revised Statutes

Honolulu, Hawai'i  
November 2016

## **RELATING TO THE WILDLIFE REVOLVING FUND FISCAL YEAR 2016**

### **PURPOSE**

The goal of the Wildlife Revolving Fund (WRF) is to provide funds to manage and enhance public hunting opportunities in Hawai‘i. Act 290, Session Laws of Hawai‘i 1991, amended Section 183D-10.5, Hawai‘i Revised Statutes (HRS), by adding a requirement for an annual report to be prepared by the Department of Land and Natural Resources (Department) on the status of WRF and transmitted to the Legislature no later than twenty days prior to each regular session. The report is to include:

1. The source and application of monies deposited into the fund, including a description of the criteria and process used to determine funding priorities;
2. A description of programs and activities supported by the fund;
3. A summary of program highlights and accomplishments; and
4. A description of future program plans, including specific goals and objectives.

### **FUNDS**

Section 183D-10.5 (b), HRS, provides that the following proceeds shall be retained by or transmitted to the Department for deposit in the WRF: fees for hunting licenses, game bird farmer and Commercial Hunting Preserve licenses and fees, hunting guide licenses, hunter education training programs and use of public target ranges, fines collected for hunting or wildlife law violations, bail forfeitures, sale of articles required before hunting, and related works of art. For Fiscal Year 2016 (FY 16), the major source of revenue was hunting license sales. Sources of revenues are detailed below:

Revenue did not meet the Department’s authorized budget ceiling for WRF of \$588,820. New expenditures totaled \$332,486.00. The cash balance at the end of FY 16 amounted to \$236,631.23, with outstanding encumbrances of \$57,361.00. Revenues have gradually increased in the Wildlife Revolving fund throughout the 2016 fiscal year due to the rule change made in 2015 that allows for the sales of Conservation Stamps, Game Bird Stamps, Tags, and applications fees.

#### **Status of S-343**

Beginning cash Balance of Fund on July 1, 2016	\$46,437.07
Revenues during FY 2016	\$580,042.44
Expenditures during FY 2016	\$332,486.51
Cash Balance as of June 30, 2016	\$293,993.00
Unpaid encumbrances as of June 30, 2016	\$57,361.77
Unencumbered Cash for carryover as of 06/30/2016	\$236,631.23
<b>Summary of Revenues FY 2016</b>	
Hunting Guide License and Lottery	\$49,975.00

Game bird Farmers	\$6,820.00
Hunting license with Cons	\$274,935.50
Investment pool	\$70.69
Fees, Wildlife Conservation Stamp	\$2,761.25
Hunter Ed Fees	\$0.00
Game bird Stamps	\$41,305.00
Sales of Game Tags	\$193,675.00
Criminal Fines	\$10,000.00
Operation and Maintenance	\$500.00
<b>Total Revenue for FY 2016</b>	<b>\$580,042.44</b>

#### **Summary of Expenditures FY 2016**

Personnel	\$146,848.91
Operations	\$185,637.60
<b>Total Expenditures</b>	<b>\$332,486.51</b>

#### **Summary of Outstanding Claims FY 2016**

Operations Claims	88,631.52
Amount expended	31,269.75
<b>Total remaining balance of outstanding claims</b>	<b>57,361.77</b>

#### **FUNDING PRIORITIES**

WRF has been an important portion of the overall budget to meet obligations of state match and operating and salary expenses for game and wildlife projects. Because the major sources of revenue for WRF come from direct charges to hunters, priority is given to expenditures which benefit this user group. A formal hunting rule change has been conducted and was approved in May of 2015 therefore the sale of stamps, game tags, and application fees may be assessed to hunters by species, area, and season chosen to hunt. The new hunting rules are currently in effect and a revenue increase was anticipated for the WRF for fiscal year 2016.

In budgeting for WRF, a policy of allotting at least 85% of the budget for the hunting program has been in place and followed. Up to 15% of the budget may be used for nongame and wildlife sanctuary management, for projects that may have dual benefits to game species and nongame species. Typical examples are the predator and weed control efforts to benefit game birds in the Kapapala Cooperative Game Management Area (CGMA) and the Kīpuka ‘Āinahou Nēnē Sanctuary on the Big Island, which also benefit nēnē.

Section 183D-10.5(e), HRS, also requires that the state first use WRF monies to "maximize the state's participation to secure federal funds under the Pittman-Robertson Federal Aid in Wildlife Restoration Act." Consequently, a priority was given to those expenditures that provided the state match for Pittman-Robertson (PR) projects.

The allocation of operating funds to the Division of Forestry and Wildlife's (DOFAW's) Branch Offices was done on a lump sum basis to be used on eligible projects.

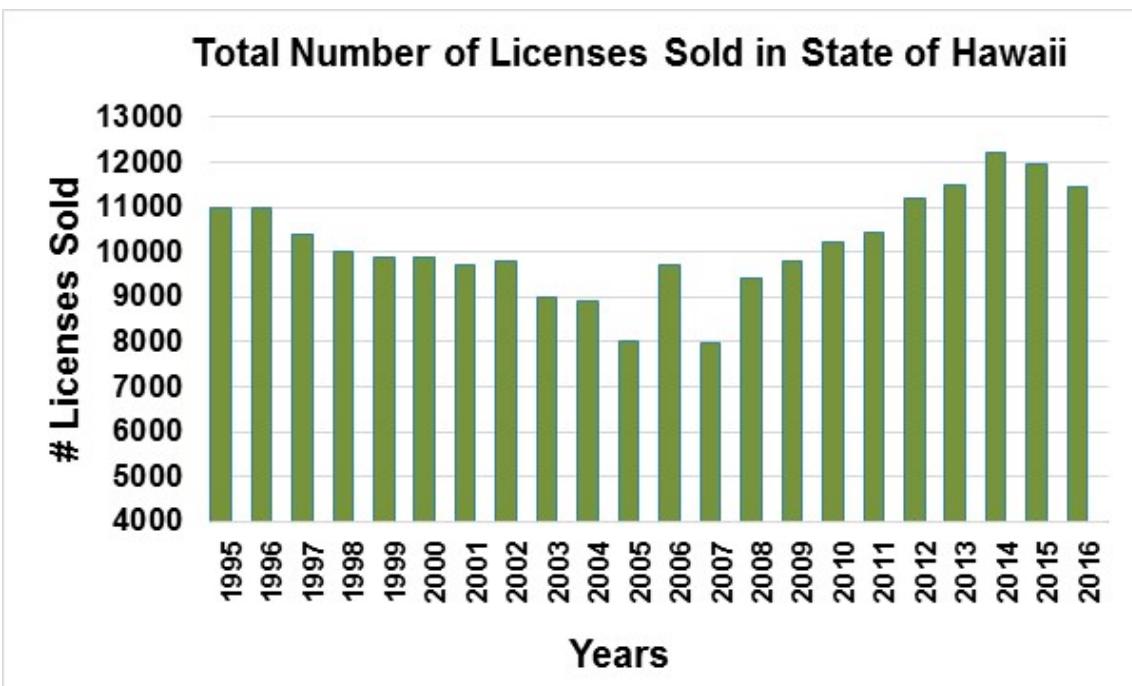
With the increase in hunting fee revenue, the funding available for salaries has increased and two additional positions have been funded. The operating funds were allotted to the Branches based on the respective Branch wildlife program size and complexity, and amount of revenue generated from license fees. Discussions among wildlife staff has continued on the possible conversion of WRF-supported General Laborers to Forestry & Wildlife Technicians, but became a moot point with substantial loss of funds in previous years. Due to a projected revenue increase with the sales of stamps and tags for the upcoming fiscal year these discussions may now continue.

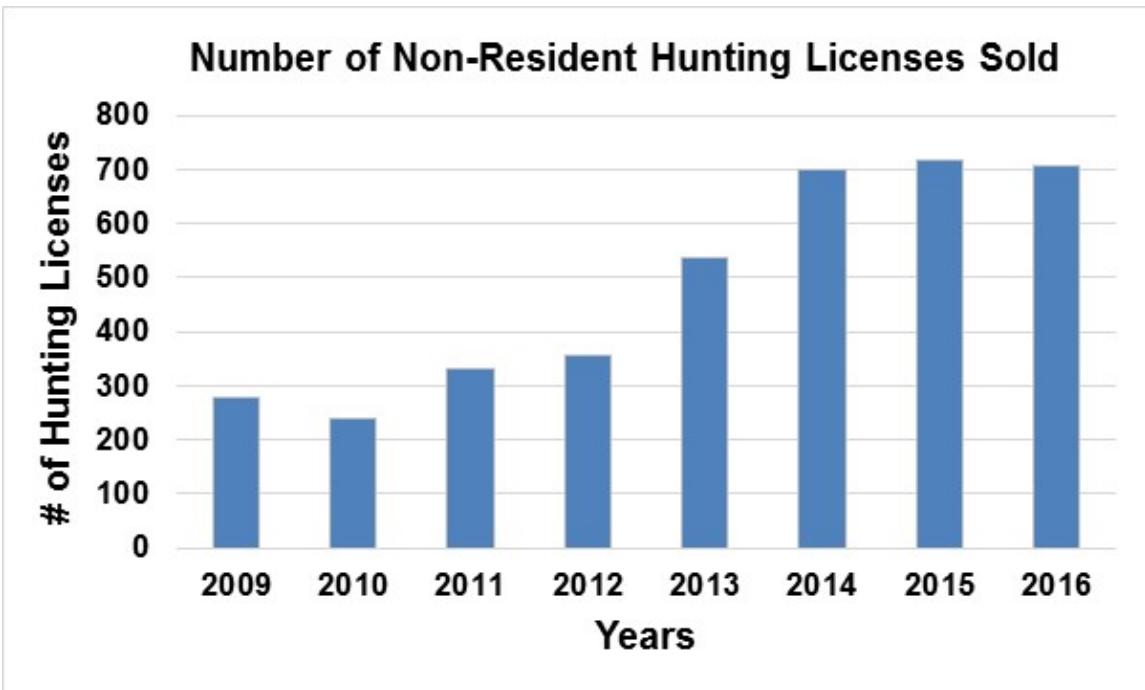
### **PROCESS USED**

1. The Department's Fiscal Office and DOFAW coordinated to determine the amount of the Fund available for allocation to DOFAW's Branch Offices.
2. At the beginning of each fiscal year, a portion of WRF budget is allocated to each DOFAW Branch Office, to Honolulu Administrative Staff for Statewide projects and to the Hunter Education Program of the Department's Division of Conservation and Resources Enforcement. A portion of the funds are allocated for temporary personnel to maintain wildlife program functions, and to pay budgeted add-on salary costs to assist with wildlife projects.
3. Each Branch Office collaborates in the development of the overall annual WRF budget, to benefit the resources and resource users, all within the criteria of compliance with the purpose of WRF and the necessity to provide state-match requirements for PR projects.
4. An emphasis was placed on using WRF for essential expenditures to provide support for public hunting opportunities.
5. All expenditures are identified and coded as "WILDLIFE REVOLVING FUND: S-16-343" to facilitate tracking and accountability.
6. Expenditures complied with approved categories of expenditures for WRF as established by The Board of Land and Natural Resources on August 13, 1993 (see Attachment 1, appended)

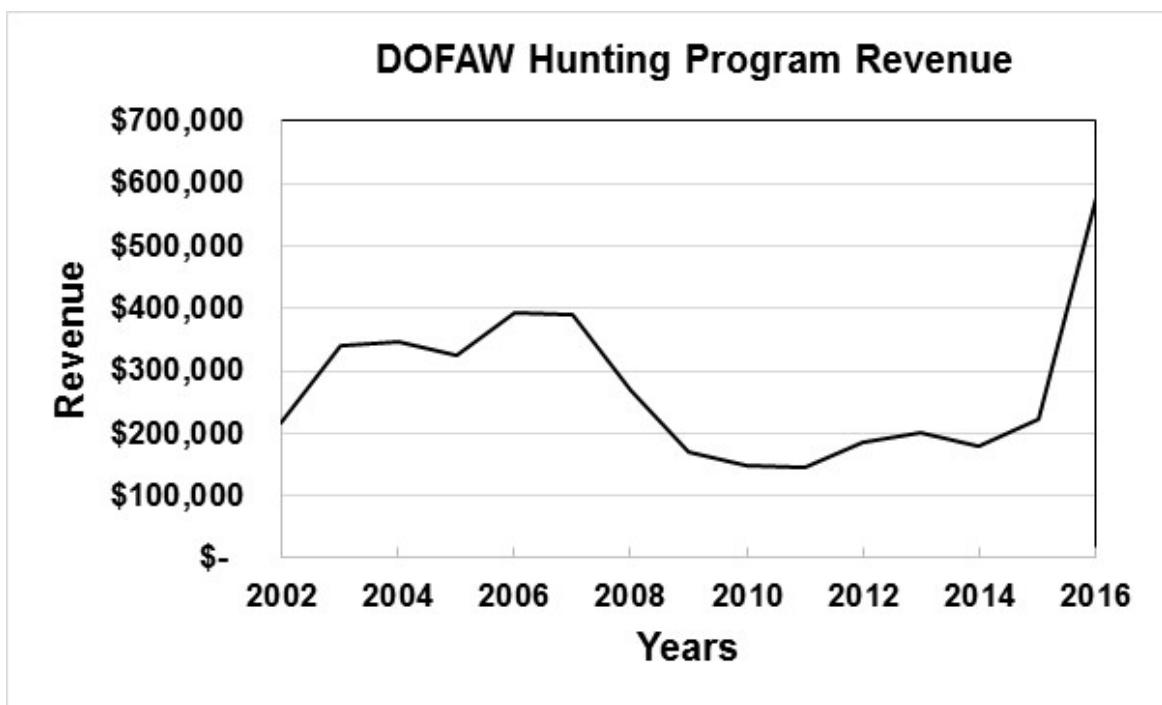
## **HUNTING LICENSE SALES OVERVIEW**

Overall, Hawaii hunting license sales have shown a steady decline over the past years 1995-2006, mirroring a national trend. The exception is the sale of non-resident licenses, which indicates a persistent increase annually. With a non-resident to resident license cost ratio of almost 2-½ to 1. Since this combined revenue is earmarked in WRF and used to benefit game management and hunting programs, it suggests that hunter recruitment, hunter retention, and hunting tourism programs be actively promoted. As of 2007 the sales of hunting licenses has gradually increased. DOFAW established a \$10 Wildlife Conservation Stamp in 2015, and made it an integral and mandatory part of the general hunting license, effectively increasing the resident license fee purchase price to \$20 (non-resident \$105). Hawaii Administrative Rule 13-122-5.1 granted the department authority to “establish fees for wildlife stamps, application fees, and tags” insofar as the fee set for each stamp, fee, or tag does not exceed the cost of a hunting license (\$10).





Revenue derived from WRF over a fifteen year segment was as follows:



## **Economic Benefits**

In addition to providing recreation and supporting a chosen lifestyle for many residents, hunting provides an economic benefit to the state. Hunting in America is big business. It generates more than \$86.9 billion in economic output and 680,937 jobs. The top 10 states all receive over \$ 1 billion annually in economic benefit from hunting (NSSF & IAFWA 2011).

Hawaii, Montana, Maine and Idaho are states of similar population. Montana, Maine, and Idaho actively promote hunting in their states, and realized an average of \$428 million in 2001 to \$648 million in 2011 in economic benefit (NSSF & IAFWA 2001; 2011). Although Hawaii does not actively promote its game resources, the state economy nevertheless benefits from its hunting programs. The estimated overall economic impact from hunting in Hawaii was \$28 million in 2001 and \$73 million in 2011 (NSSF & IAFWA 2001; 2011). A modest effort in promotional activities could increase the state's economic benefit substantially.

In addition to the tangible revenue benefit described, hunters provide a no cost service to mitigate the adverse impact of nuisance wildlife, a cost that would otherwise be borne by government agencies. State and local taxes would have to be raised significantly to pay for professionals to make up for the loss of licensed hunters who currently pay a fee to provide the same service. National studies have been made to estimate costs to the public in areas of human health, transportation, safety, agriculture, dwellings, and infrastructure if hunting and trapping were lost as primary wildlife management tools (IAFWA 2005).

Economic Impact of All Hunting Activities in the State of Hawaii									
Year	Retail Sales	Total Multiplier Effect	Salaries and Wages	Jobs	Sales and Motor Fuel Taxes	State & Local Taxes	State Income Taxes	Federal Income Taxes	
2001	\$ 16,974,189	\$ 27,830,441	\$ 6,365,560	242	\$ 946,162	N/A	\$ 447,388	\$ 1,066,269	
2011	\$ 52,713,340	\$ 73,001,767	\$ 23,514,889	774	N/A	\$ 6,025,027	N/A	\$ 5,099,046	

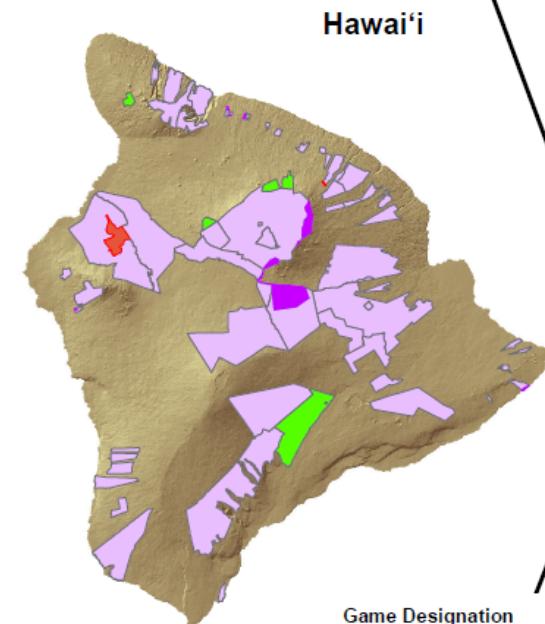
NOTE: Definitions: Retail Sales – the dollars spent by hunters; Total Multiplier Effect – the total amount of spending that occurs in the economy as a result of hunters' spending; Salaries and Wages: total amounts paid to employers and small business owners in companies that serve hunters or support businesses who directly serve hunters; Jobs – the number of positions supported in businesses directly and indirectly serving hunters; Tax Revenues – government receipts received from businesses and individuals who directly and indirectly serve hunters (NSSF & IAFWA 2001; 2011).

Number of Hunters and Days of Hunting in the State of Hawaii		
Year	# Hunters	# Days of Hunting
2001	16,940	316,003
2011	22,523	774,173

Taken directly from NSSF & IAFWA 2001; 2011.



## Hunting Areas Statewide FY 2016



- Game Designation
- [Green square] Bird
  - [Blue square] Mammal
  - [Purple square] Mammal and Bird
  - [Red square] Safety Zone (No Hunting)
  - [Pink square] Closed to Hunting

Moloka'i

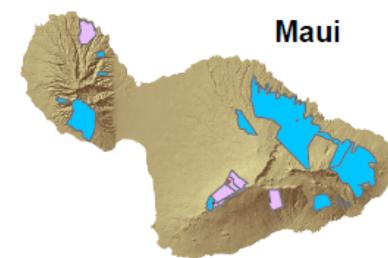


Hawai'i

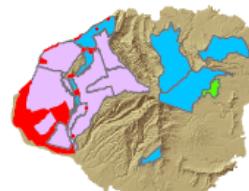
Lāna'i



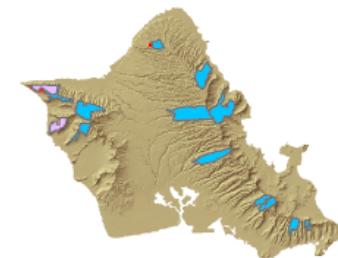
Maui



Kaua'i



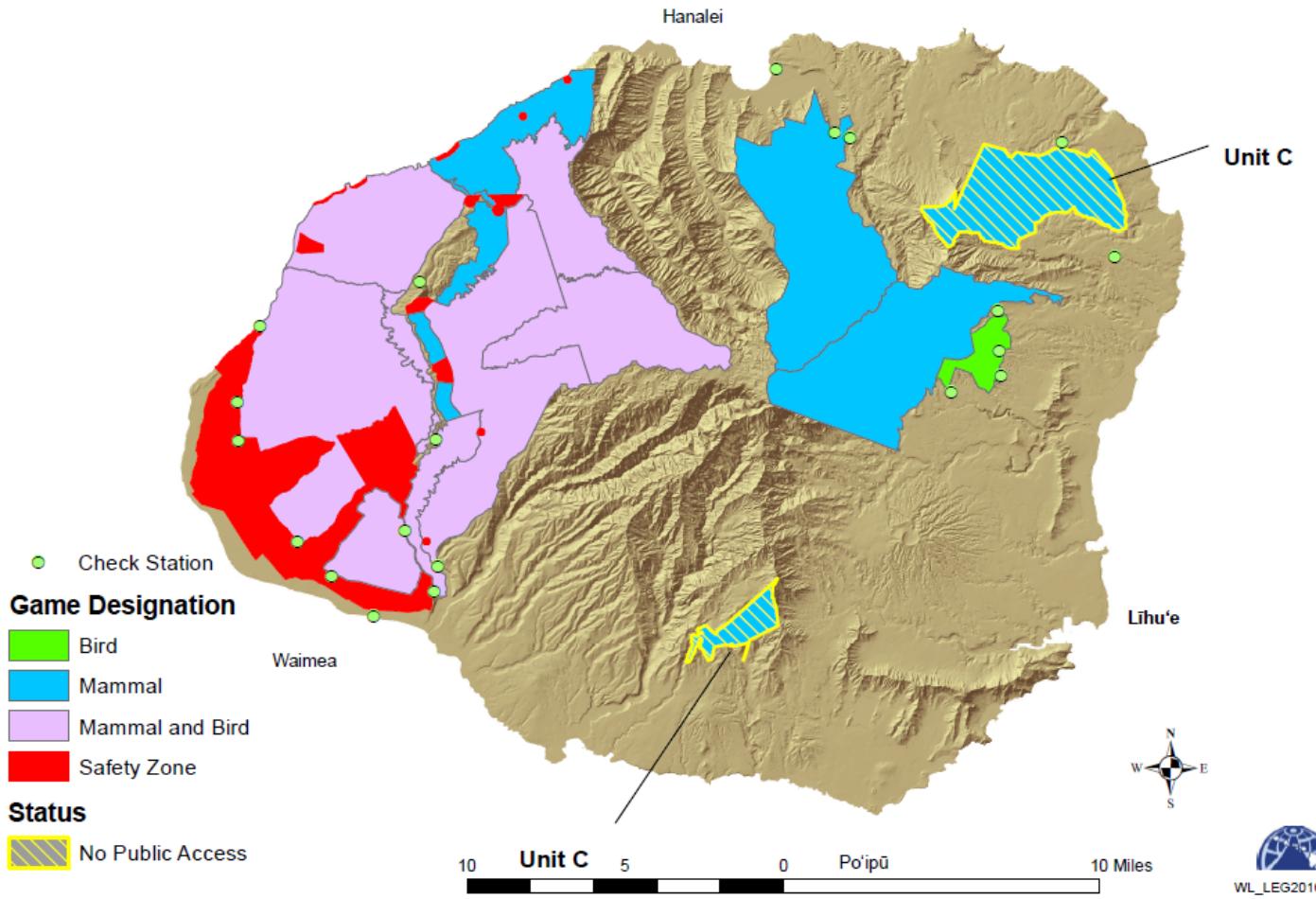
O'ahu



HAWAII STATEWIDE  
GIS PROGRAM  
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## Kaua'i Hunting Areas FY 16



## **PROGRAM HIGHLIGHTS, ACCOMPLISHMENTS AND FUTURE PLANS**

### **KAUA'I BRANCH**

#### Hunting Season Management

*Objectives:* Provide hunting information to the public and other districts through announcements and news releases. Manage public hunting seasons in compliance with Chapter 13-122 Hawai'i Administrative Rules, regulating game bird hunting and Chapter 13-123 Hawai'i Administrative Rules regulating game mammal hunting.

*Accomplishments:* WRF monies were used to purchase U.S Postal Service bulk stamps to mail game tags and permits to public hunters. Miscellaneous office supplies were purchased using WRF to operate the public hunting seasons. Bulk fuel was also purchased to operate twelve 4 x 4 trucks and other equipment to manage and operate the twelve (12) Kauai public hunting units.

#### Game Operations and Maintenance (O & M)

*Objectives:* Maintain and expand the capacity to manage water units, fences, hunter checking stations, and other infrastructure necessary for hunting. Improve game operations and maintenance through additional field staffing, adequate equipment and supplies. Manage and operate the pheasant release project in the Kekaha Game Management Area (KGMA).

*Accomplishments:* WRF monies were used to upkeep the thirteen hunter public check stations on Kauai. WRF monies were expended on printing hunting information and maps. WRF monies were used to purchase and raise 700 day old ring-necked pheasant chicks to be released in the KGMA. The project involved raising the birds for the first two and a half months of age and releasing them throughout the hunting area. Game auto-feeders were maintained and operated through the summer and fall season and deactivated one month prior to the open season in November. The project was a success as it enhanced hunter experience and improved hunter success. WRF monies were used to maintain and operate twenty-seven game bird water guzzlers in the KGMA.

#### Motor Vehicle Repairs and Purchase

*Objectives:* To maintain the District's Wildlife Management Section motor vehicle fleet in good running condition and expand transportation backup and capacity.

*Accomplishments:* WRF monies were used to maintain and repair twelve wildlife vehicles on the district. See attachment II.

### Commission on Hunting License Sales

*Objective:* To pay the Kaua‘i hunting license vendors for their commission on the sale of the 2014-15 Hawai‘i Hunting Licenses.

*Accomplishments:* Hunting licenses were available and sold to Kauai license vendors.  
TOTAL WRF Expenditure for Kauai District: See attachment II.

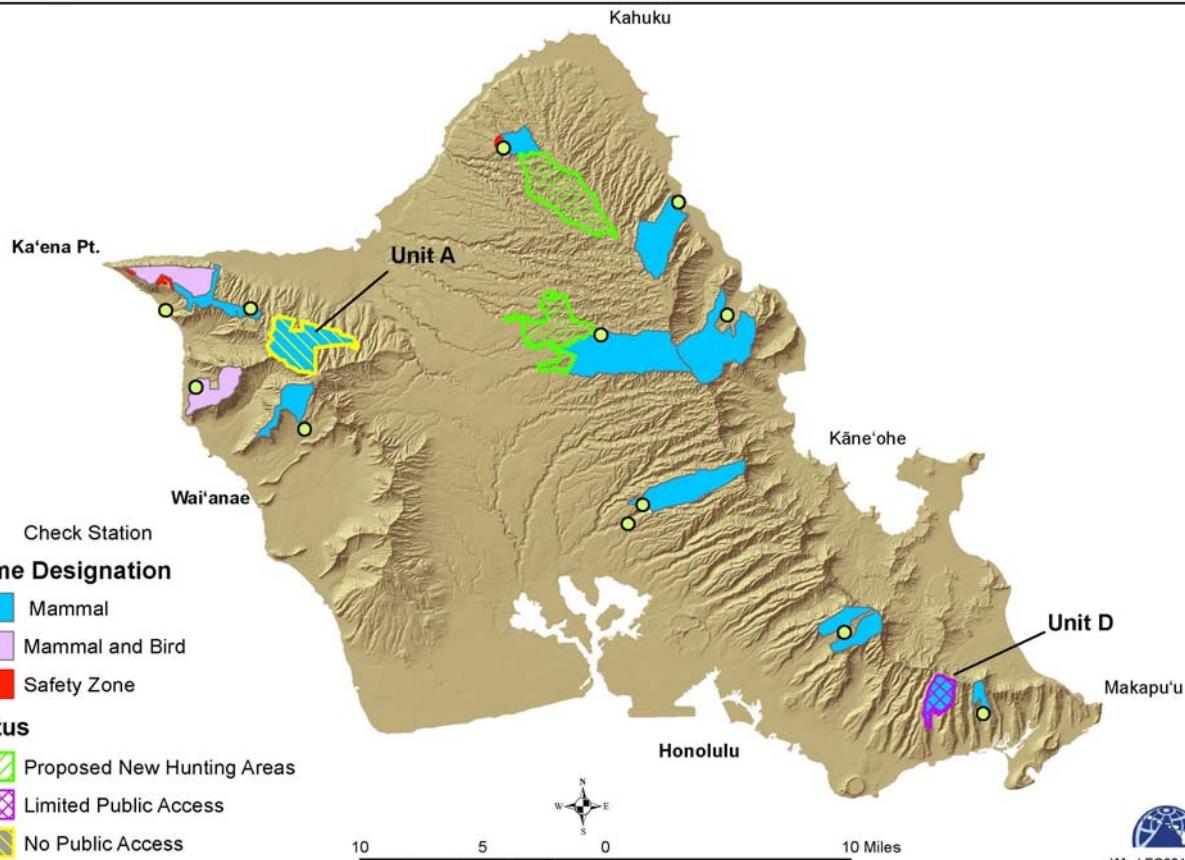
Total WRF expenditures incurred for \$14,053.00

### Future Program Plans

1. Provide for the administrative costs, such as printing and publishing of game tags, permits, announcements of hunting seasons and additions of new hunting areas. - \$7,000 (100% WRF)
2. Incremental development of the proposed Hanahanapuni public shooting/archery range \$20,000 (50% WRF)
3. Continue the artificial game bird release project in the KGMA. Expand on the game bird release project in Hunting Unit I (Wailua GMA) and Unit L (Waimea Heights). Plan, design, and purchase building materials, equipment and supplies for the complete construction of a game bird rearing facility - \$20,000 (100% WRF)
4. Purchase two four-wheel-drive vehicles to be added to the game program to support all aspects of operations, management, and surveys. \$50,000 (50% WRF)
5. Continue to maintain all wildlife vehicles and equipment used under the Kaua‘i game program. \$20,000 (100% WRF)
6. Purchase of construction materials and supplies to maintain existing game management facilities, including fences, gates, water units, feeding sites, restrooms, storage buildings, and hunter checking stations. \$20,000 (50% WRF)
7. Provide air logistical support to conduct surveys, operations and maintenance of the Kaua‘i game management program. \$20,000 (50% WRF)
8. Provide new hunter access routes to several hunting units. \$40,000 (50% WRF).



## O'ahu Hunting Areas FY 16



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## O‘AHU BRANCH

### Game Management on O‘ahu. FY 16 Report

*Objectives:* To maintain and enhance wildlife habitat and facilities on O‘ahu public hunting areas (PHA’s), GMA’s, and wildlife sanctuaries; and to improve game bird and game mammal hunting opportunities on O‘ahu.

*Accomplishments:* Funding was used to provide gamebirds and manage habitat for gamebird hunting on Oahu

- Spread 1500lbs. of wild bird feed on in the Kuaoakalā GMA during the gamebird hunting season to attract birds into the hunting area and provide supplemental feed for released gamebirds.
- Released 25 Erckel’s Francolins and 25 Black francolins. Purchased locally.
- Funded predator control in areas not covered under federal Pittman-Robertson Grant. Controlled predators on 10 acres to promote game bird nest/fledgling success.
- Assisted in logistics to support Kauai District Gamebird Release Program.

Total WRF expenditures incurred for O‘ahu: \$38,528.00

### Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees and fill vacant WRF General Laborer position on O‘ahu Branch.
2. Fund a WRF Wildlife Biologist position to perform tasks targeted towards ongoing management of O‘ahu District wildlife management areas - \$75,000 (100% WRF).
  - The bulk of the work for the Biologist Position will be to secure and or gain new legal access to current inventoried lands that have no public access easements.
  - The position will also work directly with hunters to understand and quantify hunter usage to guide State Hunting Programs
3. Purchase equipment and supplies needed for ongoing Operations & Maintainance in O‘ahu Wildlife Management Areas - \$15,000 (100% WRF).
4. Through partnerships with the University of Hawaii, fund graduate level research to understanding the socio-economic impacts of Hawaii Hunters.

### Future Program Needs / Proposed New Hunting Areas

Central Oahu Forest Land Acquisitions- \$4,000,000.00 State Funding needed-

Acquisition of five parcels in Central Oahu to be added to the forest reserve systems, including the Helemano Wilderness Recreation Area (4 parcels, 3057 acres) and the Waimea Native Forest (aka. Pupukea Mauka - 1 parcel, 3716 acres). Parcels are listed for sale by Dole Food Company, Inc.

- Acquire the 5 parcels for addition to the Oahu Forest Reserve Systems; the land will be open to the public for recreational opportunities, including hunting, camping, hiking, etc. as well as provides habitat for native plant and wildlife, including the endangered Hawaiian hoary bat. These forests are very important

for their contributions fresh water resources to the Central Oahu plain that includes 1/3 of Oahu's population.

Helemano Wilderness Area (HWA) fee acquisition provides a focal point for urban residents and visitors to connect with forests, a vital need on O‘ahu, the State of Hawaii's most populous island with 991,788 residents. This project secures the only access to the State's highest priority watershed and one of the most popular hiking trails. HWA expands the protected forest lands and provides crucial access to actively managed forest of the Ko‘olau Mountains Watershed Partnership that spans the entire eastern mountain range of O‘ahu. Maintaining forest cover in this region is critical for watershed health and ensuring Oahu's residential and agricultural water supply. O‘ahu has lost more of its forestland due to conversion to non-forest uses than any other island in the State. HWA furthers the State's goals of economic and water sustainability and public recreational opportunities, offering a truly unique opportunity to meld forestry, recreation, and management.

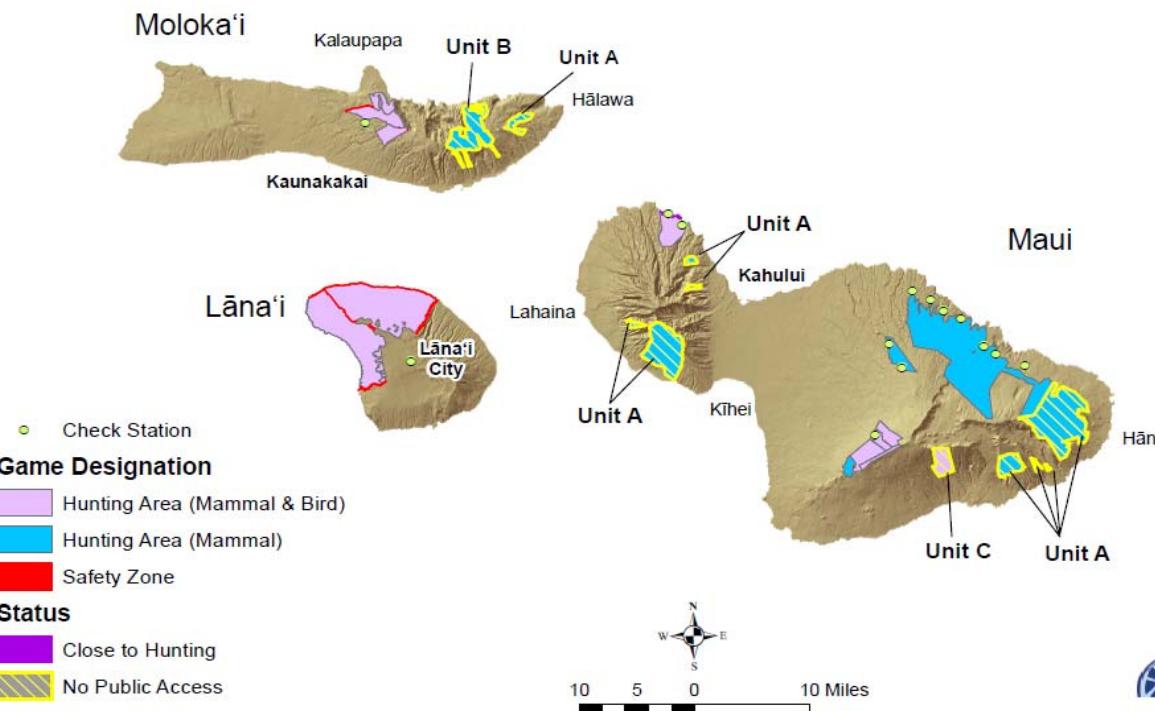
- ▪ **The status of awarded funding for the Helemano project (total project acquisition cost est. at \$13-15 million):**

Forest Legacy Program	\$3 million (FY2016)	Federal – secured
Forest Legacy Program	\$2 million (FY2017)	Federal – pending award
Legacy Land Conservation Program	\$1.8 million	State - secured
Clean Water Natural Lands Fund	\$2 million	County – pending award
Habitat Conservation Planning Acquisition	\$2 million	Federal – application submitted
Total	\$10.8 million	
<i>Requests to be submitted</i>		
Habitat Conservation Planning Mitigation	\$1 million	Private
REPI	\$4 million	Federal
State of Hawaii Capital Improvement Project – Acquisition	\$3 million	State

The Waimea Native Forest is fee purchase of 3,716 acres located in the upper portion of Waimea Valley adjacent to the State of Hawaii Pūpūkea Forest Reserve on the North Shore of O‘ahu. This native forest dominated property contains the headwaters of one of the last remaining undiverted streams on O‘ahu that drains into the Marine Life Conservation Districts. The forest provides habitat for over 25 listed endangered plant and animal species, including the endangered ‘elepaio and i‘iwi as well as the state mammal, the endangered Hawaiian hoary bat. The property provides a mountainous landscape available for public use, allowing hunters and hikers access to Waimea Native Forest area and connecting to the adjacent 871 acre Pūpūkea Forest Reserve.



## Maui, Molokai, and Lanai Hunting Areas FY 16



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## MAUI BRANCH

### Lease of Cooperative Game Management Area-Lanai

*Objective:* Provide 30,000 acres of land on Lanai for sport hunting and wildlife management.

*Accomplishment:* A portion of the annual lease rental for the Lanai Cooperative Game Management Area was paid via WRF monies. This area provided hunters the opportunity to pursue Axis Deer, Mouflon Sheep, and a variety of game birds.

Expenditures: \$25,000.00

### Game Mammal Aerial Survey:

*Objective:* Annual game mammal surveys of the Lanai CGMA and private portions of Lanai Island. Staff from Maui led the survey effort for both the fall and spring surveys. Associated costs for the spring survey only included staff travel.

*Accomplishments:* An aerial survey of the Lanai CGMA and the Pulama Lanai hunting area was conducted on September 9-10, 2015. The spring survey was conducted on March 10-11, 2016.

Within the Lanai CGMA, a total of 831 Axis deer were counted on the fall survey resulting in an estimated population of 2,235 animals. A total of 583 Mouflon sheep were counted, bringing the estimated population to 1,568 animals.

Within the Pulama Lanai hunting area, a total of 892 Axis deer were counted, bringing the estimated population to 2,399 animals. A total of 292 Mouflon sheep were counted on the fall survey, resulting in an estimated population of 785 animals.

Expenditures: \$11,568.50 (Helicopter and staff travel costs)

### Contract Services-Data/Lanai Hunts

*Objective:* With the shortage of clerical staff, coupled with high interest and participation in the Lanai Axis deer and Mouflon sheep hunts on Lanai, it became necessary to contract outside support to assure all lottery hunt applications were processed in a timely manner.

*Accomplishment:* A total of 6,300 hunter applications were received for the two Lanai hunts. All applicant data was entered and duplicate applications identified and deleted. Staff were able to assure all lottery hunt applications and reports were processed in a timely manner, therefore negating the need to contract outside support.

### Staff Expenses

*Objective:* Forestry and Wildlife Worker II position is needed on Lanai to assist the Lanai Forestry and Wildlife Technician with the upkeep and maintenance of 30 miles of water unit pipeline, 25 water units, a multitude of signs and 54 miles of access roads in the Cooperative Game Management Area. The Forestry/Wildlife worker II also assists with habitat management, game bird and game mammal surveys, enclosure maintenance, and predator control. Hunting activities and hunter check in on Lanai occurs after normal operating hours. Overtime is paid to the Lanai technician to accommodate hunters.

*Accomplishment:* Funding for the Forestry and Wildlife Worker II position is funded through the Wildlife Revolving Fund. This position allowed facilities and field operations on Lanai to be properly maintained, serviced and free of any major problems. Overtime for both the Mouflon and Axis deer hunts were approved, allowing check in of hunters to be completed in a timely manner.

Expenditure: \$76,192.08

### Management of the Lottery Hunts-Lanai

*Objective:* The processing and printing of documents for the Axis deer and Mouflon sheep hunts on Lanai. Shipment of instruction sheets and applications for the two hunts to the outer districts. Cost associated with online applications for both hunts are a recent addition to managing the hunts. A conference room is needed to conduct and accommodate the public for the Axis deer and Mouflon sheep lottery. Due to staff shortages on Maui, personnel from the outer districts were requested to assist in both lotteries.

*Accomplishment:* Application cards, instruction sheets, and addendums were printed and distributed to all districts and lotteries conducted. Approximately 33% of applicants applied online for both hunts, resulting in service fees being paid to the contractor of the online program. A conference room was rented to conduct and accommodate the public for the Axis deer and Mouflon sheep lottery. Staff from the outer districts assisted in the conducting of the lottery for both hunts.

Expenditures: \$13,408.34

### Game Mammal Facilities O & M-Lanai

*Objective:* Rental of dumpster(s) during the Axis deer and Mouflon sheep seasons for hunters to dispose of carcasses. Materials required for the hunting program to function needed to be purchased.

*Accomplishment:* Two (2) dumpsters were rented for each of the two (2) hunts. This provided the hunting community with the facilities to dispose of animal carcasses. Hauling charges for the materials/equipment for the hunting program was included in the operations and maintenance portion of Lanai.

Expenditure: \$38,684.23

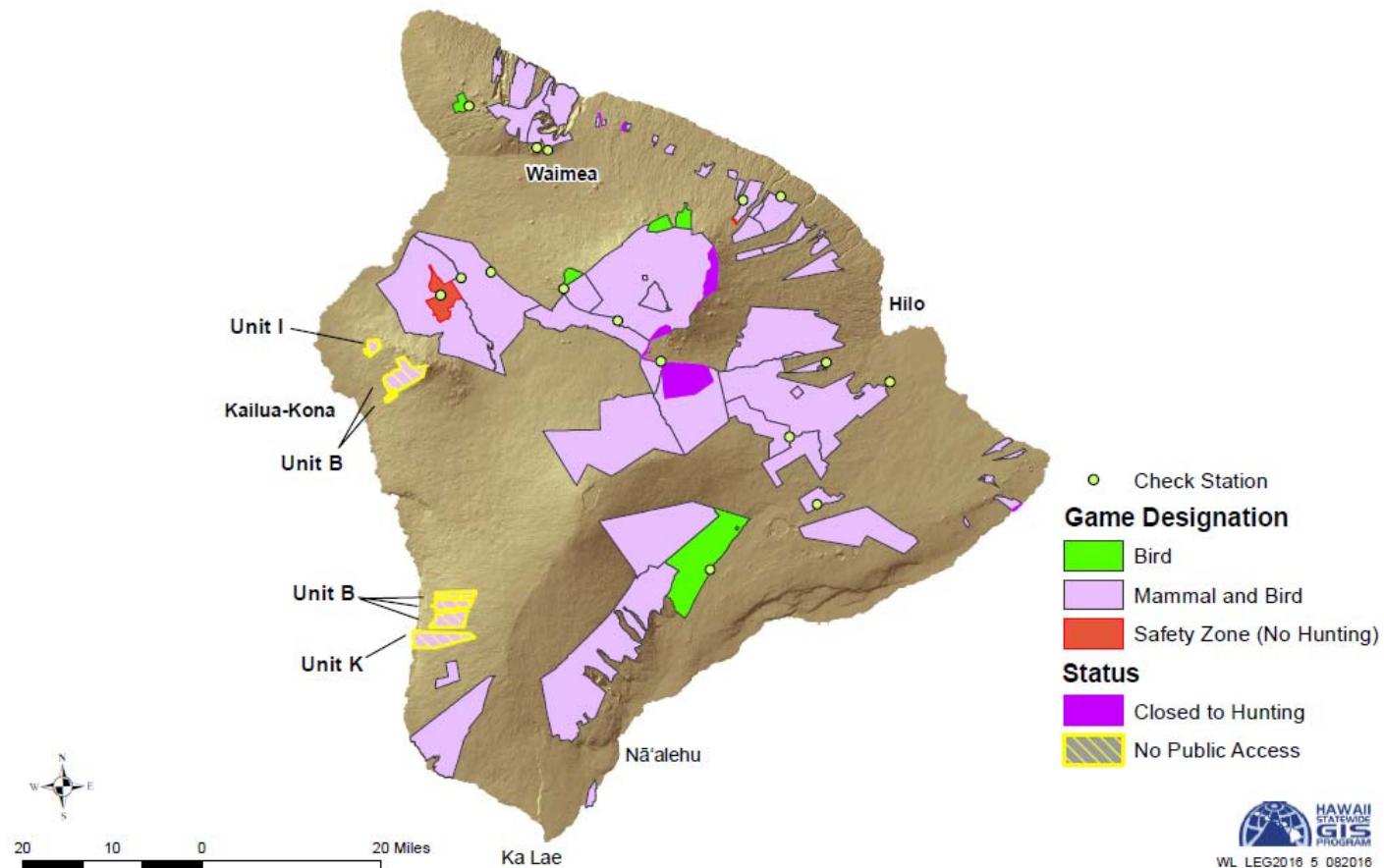
Total WRF expenditures for Maui District were: \$176,321.00

Current and Future Program Plans

1. Fund Rental of Lease on Lanai - \$35,000.00 (100%WRF)
2. Fund Lanai Check Station overtime for FWT V position-\$8,000.00 (100% WRF)
3. Fund FWW II position on Lanai for facility upkeep and maintenance-\$67,000.00 (100% WRF)
4. Fund game mammal facilities development and O & M on Lanai-\$75,000.00 (100% WRF)
5. Fund game mammal surveys on Lanai -\$15,000.00 (100% WRF)
6. Fund Management of Lottery Hunts on Lanai; document printing, data input and drawings-\$15,000.00 (100% WRF)
7. Fund clerk position for Lanai Check Station-\$25,000.00 (100% WRF)
8. Habitat rehabilitation - \$15,000.00 (100% WRF)



## Hawaii Island Hunting Areas FY 16



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## EAST HAWAI‘I DISTRICT

### General Laborer Position:

*Objectives:* Pursue duties pertaining to Hilo watershed wild cattle control, hunter checking stations, and nēnē habitat renewal.

*Accomplishments:* Half time general labor position was filled for 4 months. Work accomplished involved checking station repair and maintenance; sign, road and fence maintenance for special “wild cattle control” hunt.

### Wildlife O & M:

*Objectives:* To maintain the Kīpuka ‘Āinahou Lease.

*Accomplishments:* The Kīpuka ‘Āinahou Lease has expired and has not been renewed. No related expenditures this period.

### Commissions on Hunting License Sales:

*Objective:* To pay commissions to vendors on the island of Hawai‘i for sales of the 2015-2016 Hawai‘i hunting licenses.

*Accomplishment:* Hunting licenses were available at vendors and commissions were paid.

### Motor Vehicle Repairs, Maintenance, and Equipment

*Objective:* To maintain trucks in service for WRF purposes.

*Accomplishment:* Vehicles remained functional with no debts to WRF for maintenance.

### Future Program Plans

1. Replace boundary and safety zone signs in hunting areas.
2. Weed control and habitat improvements in public hunting areas.
3. Check station, roads, trails and water unit maintenance in public hunting areas.
4. Continue to employ part time general laborer to assist with tasks 1, 2 and 3.

Total WRF expenditures incurred for East Hawaii \$55,973.00

## WEST HAWAI'I DISTRICT

### Game Operations and Maintenance

*Objective:* Conduct predator control activities, the maintenance of game related facilities such as guzzlers, increase road maintenance and habitat management capacity for the West Hawai'i District while maintaining more than 60 miles of hunter access roads.

*Accomplishment:* All O & M activities were accomplished without use of WRF monies.

### Game Program Coordination

*Objective:* The district staff assisted Sports Authority, Wal-Mart and other vendors in Kona with hunting license sales and training (these being the only outlets for the public to purchase hunting licenses in Kona other than the DOFAW office 40 miles away in Kamuela).

*Accomplishment:* The district's secretary assisted with training of vendors in Kailua-Kona store staff in hunting license sales. During anticipated increase in hunting license sales traffic at these establishments, the secretary assisted with license sales and dissemination of information pertinent with upcoming seasons.

### Temporary Hire of ½-Time General Laborer

*Objective:* To assist the districts wildlife staff in the operations and maintenance of projects and to provide predator control at various locations.

*Accomplishment:* A part-time General Labor I position was paid for out of this special fund, and assisted in predator control, trapping of mongooses, feral cats, and feral dogs, maintained water units and water supply facilities, assisted with invasive plant control. The GL removed 232 mongoose and 28 feral cats during FY16.

### Motor Vehicle Repairs, Maintenance, and Equipment

*Objective:* To maintain trucks in service for WRF purposes.

*Accomplishment:* Vehicles remained functional with no debts to WRF for maintenance.

Total WRF expenditures incurred for West Hawaii \$2,054.00

### Future Program Plans

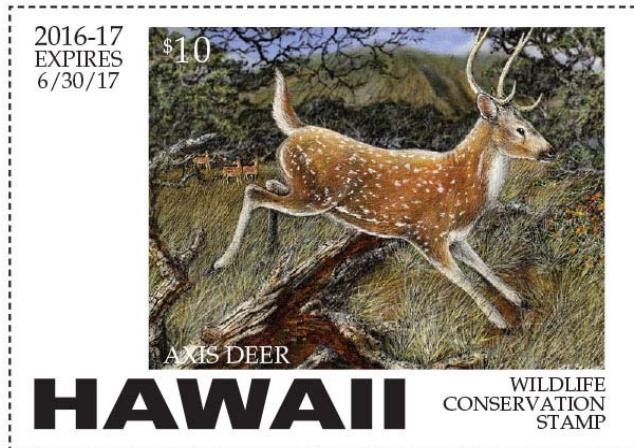
1. Restore equipment purchase, vehicle purchase and maintenance, and facilities construction functions from the WRF, as funds accrue from the sale of hunting licenses, stamps, tags and fees. \$35,000 (100% WRF)
2. Provide for the administrative costs, such as printing and publishing of game tags, permits, announcements of hunting seasons and additions of new hunting areas. - \$10,000 (100% WRF)
3. Once funding is available, improve game habitat projects in GMAs and appropriate areas by installing water units, food plots and improving cover. \$50,000 (100% WRF)
4. Continue part-time General Laborer I position.
5. Fund a full time Wildlife Biologist III position. \$55,000 (100% WRF)

## **STATEWIDE ADMINISTRATIVE SEGMENT**

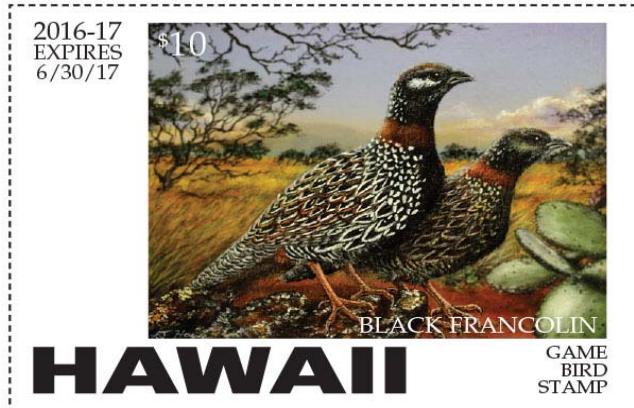
### **Hunting License, Wildlife Conservation Stamp, and Game Bird Stamp Production, Program Sales, and Management:**

*Objective:* To produce and distribute required hunting licenses over the counter and online (electronic license), duplicate licenses, conservation stamps, gamebird stamps, tags and vendor booklets. A portion of the production costs were paid with WRF monies. Manage and monitor the Wildlife Revolving fund throughout the fiscal year to ensure all obligations are met.

*Accomplishment:* Produced and distributed vendor booklets, hunting licenses, web-based electronic hunting license system training, developed on-line non-resident exemption form, conservation stamps, game bird stamps, tags and duplicate hunting licenses. All hunting related materials for new hunting season were updated for public use. Finalized and distributed the newly revised and approved Game Mammal (Ch. 123) and Game Bird (Ch. 122) Hunting Rules for the State of Hawaii, Division of Forestry and Wildlife. The new rule changes have allowed for the insertion of several new hunting units to Hawaii Island for Game Bird hunting in addition to allowing the department to collect fees for conservation stamps, game bird stamps, tags and application fees.



Art Contest Winner- 2017 Conservation Stamp



Art Contest Winner- 2017 Game Bird Stamp

Notification of Hunting Season Openings and Changes:

*Objective:* Communicate any changes in repetitive hunting seasons and announce new or special hunting opportunities as required by rules.

*Accomplishment:* Several legal notices announcing new animal control opportunities for hunters were produced and a series of announcements and news releases were produced for hunting seasons.

Total WRF expenditures incurred for \$45,284.00

Statewide Game Land Access and Acquisition

The Hawaii Department of Land and Natural Resources, Division of Forestry and Wildlife (DOFAW/Division), manages over 1,000,000 acres of state land for wildlife-dependent recreation and conservation, and demand is growing for public hunting on these public lands. However, over half of all land in Hawaii is privately owned and private landowners—as well as other public landowners—frequently block public access to substantial portions of the DOFAW lands that are designated for public hunting. In order to expand opportunities for public hunting and other wildlife-dependent public uses, it is imperative that DOFAW (1) sustain and optimize public use of areas that are already accessible; (2) establish public access to areas that are not accessible; and (3) acquire new land for public use. If DOFAW does not satisfy the growing demand for access to public hunting areas, and if hunting pressure is not applied across a larger landscape, then game animals will become especially scarce in existing hunting areas and will cause more damage on inaccessible public and private lands. DOFAW’s partnership with the hunting community to manage ungulate populations will weaken, and hunter safety and satisfaction will decline due to the lack of adequate space for hunting activities.

Current Priorities for Access and Acquisition Program

Once the revenue from the sales of Hunting Licenses and other related hunting materials reach a point that can support all hunting related activities revenue from these sales may then support the Access and Acquisition program priorities. Currently these actions are funded mainly through CIP funds, Pittman Robertson Grant funds and other related grants. Below is a list current the projects underway:

		FY17	
PA	Planned Activities (PA)	Activity Frequency	Estimated Cost (\$)
1	Pay for Kekaha License (terms in negotiation)	13,000 ac/yr	121,000
2	Pay for Kaonoulu Ranch Lease	940 ac/yr	2,500
3	Land Rental (Lanai)	30,000 ac/yr	35,000
4	Land Negotiation (PA 25 )	As needed	salary+admin
5	Create new access agreements and leases (PA 25)	As needed	salary+admin
6	Renew existing leases and access agreements (PA 25)	As needed	salary+admin

7	Gather information to identify access/acquisition (PA 25)	Daily	salary+admin
8	Acquire fee title or conservation easements	<i>submit a separate funding proposal for each acquisition</i>	
9	Conduct due diligence/closing for land acquisition (fee title) at Makahanaloa mauka (addition to Hilo Forest Reserve)	1	50,000
10	Prepare Management Plan for Kanaio Game Management Area	1	28,000
11	Prepare EA for Kanaio Game Management Area	1	466,000
12	Construct access improvements for Kanaio Game Management Area	1	200,000
13	Write proposals and manage grants (PA 25)	As needed	salary+admin
14	Conduct outreach and coordination with landowners (PA 25)	Daily	salary+admin
15	Conduct boundary surveys for access to Moloaa Forest Reserve via reserved rights-of-way	2	10,000
16	Construct access corridors to Moloaa Forest Reserve via reserved rights-of-way	2	50,000
17	Conduct boundary survey for access to Lihue-Koloa Forest Reserve via Kua Road	1	5,000
18	Conduct boundary survey for access to Lihue-Koloa Forest Reserve via Puulima Place	1	5,000
19	Prepare EA for access road construction, Lihue-Koloa Forest Reserve, via Puulima Place	1	15,000
20	Construct access corridor to Lihue-Koloa Forest Reserve via Kua Road	1	15,000
21	Construct access road to Lihue-Koloa Forest Reserve via Puulima Place	1	50,000
22	Construct pedestrian access corridor to Hilo Forest Reserve via Makahanaloa mauka	1	2,000
23	Conduct boundary survey for access to Hilo Forest Reserve via Makahanaloa makai	1	5,000
24	Access and Acquisition Coordinator (100% FTE)	1/yr	65,611

#### Future Program Plans

1. Produce and distribute required hunting licenses, duplicate licenses, stamps, and vendor booklets.
2. Restore revenue from the sale of hunting tags, stamps, and fees to support the statewide game program.
3. Publish notification of game bird and game mammal hunting season announcement.
4. Continue to extend and renew existing leases, licenses, and other access agreements.
5. Acquire fee title or agricultural / conservation easements for key land parcels to improve access and enhance opportunities for public hunting, public recreation, and wildlife management.

## **ATTACHMENT I, WILDLIFE REVOLVING FUND EXPENDITURE CATEGORIES**

1. Development, improvement and management of existing and new public hunting and game management facilities including installing or maintaining hunter access roads, checking stations, fences, gates, stiles, cattle guards, entry/safety/boundary signs and markers, parking lots, sanitary facilities, water tanks, and campsites.
2. Sanctuary facilities including fences, moats water control structures, pumps, ditches, nesting sites, holding pens, boardwalks, viewing kiosks, water devices, parking lots, sanitary facilities and entry and interpretive signs.
3. Wildlife habitat improvements including game bird and mammal watering units, food plots, vegetation clearing and mowing, non-game/endangered species enclosures, noxious weed control, mowing and nest sites; and wildlife predator control, water quality testing and rehabilitation.
4. Personnel hires for wildlife management and hunter education including Wildlife Management Assistants and General Laborers (for hunter check station operation, public hunting area management, pest plant control, predator control, habitat development, and posting signs and markers) computer technicians (for public hunting lotteries) and hunter education specialists.
5. Wildlife management equipment including tractors, bulldozers, all-terrain vehicles, collecting arms, radios, outboard motors, small boats, binoculars, trucks and 4-wheel drive vehicles.
6. Development and operation of public shooting ranges in conjunction with the Hunter Education Program.
7. Research, surveys, and inventories for game and non-game endangered species, including rental of helicopters, infrared technology, temporary hires, equipment rental, materials and supplies, and contracts for studies (game birds, forest birds, water birds, seabirds, Hawaiian bat, owls, disease, genetics, food habits, ungulates, limiting factors, etc. )
8. Public education on wildlife management including development of the “Wilderness Watch” program, providing maps and area informational leaflets, interpretative facilities, at game management areas and wildlife sanctuaries, and technical assistance to the public on wildlife management.
9. Rental of land for public hunting and wildlife management.
10. Law enforcement.

Fee schedule for hunting licenses, wildlife conservation stamps, applications, permits, and tags for special lottery or hunts.

<b>Island</b>	<b>Item</b>	<b>Resident</b>	<b>Non-resident</b>
All islands statewide	Hunting License*	\$10	\$95
	Wildlife Conservation Stamp	\$10	\$10
Kauai	Black Tailed Deer Hunts Rifle Tag Application	\$5	\$5
	Rifle Tag	\$10	\$25
	Muzzleloader Permit Tag	\$5	\$25
	Archery Permit Tag	\$5	\$25
	Feral Goat Hunts Rifle Lottery Tag Application (Unit B)	\$5	\$10
	Rifle Lottery Tags (Unit B)	\$10	\$25
	Muzzleloader Permit Tags (Unit A & F)	\$10	\$25
	Annual Archery Permit (Unit G, F & K)	\$5	\$25
	Feral Pig Hunts Season Permit	\$5	\$25
	Special Hunts Application	\$5	\$5
	Goat/Deer/Pig Permit (Unit E & H)	\$10	\$25
	Goat/Pig Animal Control (Unit G)	\$10	\$25
Lanai	Mouflon sheep season lottery Application	\$10	\$10
	Mouflon sheep season tag	\$20	\$125
	Axis Deer season lottery application	\$10	\$10
	Axis Deer season tag	\$20	\$125
Hawaii	PuuWaawaa feral sheep or goat tag	\$10	\$25
	Puuanahulu feral sheep or goat tag	\$10	\$25

\*Free to all Hawaii residents 65 years or older and to all persons with Hansens disease who are residents of Kalaupapa, Molokai

## ATTACHMENT II. WILDLIFE REVOLVING FUND EXPENDITURES

<b>Oahu Administration</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$16,328.00	\$16,328.00
Personnel	\$28,956.00	\$28,956.00
Claims	\$6,238.00	\$0.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$51,552.00</b>	<b>\$45,284.00</b>
<b>Oahu</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$38,528.00	\$38,528.00
Personnel	\$0.00	\$0.00
Claims	\$0.00	\$0.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$38,528.00</b>	<b>\$38,528.00</b>
<b>West Hawaii</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$716.00	\$716.00
Personnel	\$1,338.00	\$1,338.00
Claims	\$0.00	\$0.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$2,054.00</b>	<b>\$2,054.00</b>
<b>East Hawaii</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$15,609.00	\$12,638.00
Personnel	\$40,367.00	\$40,367.00
Claims	\$2,969.00	\$2,968.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$58,945.00</b>	<b>\$55,973.00</b>
<b>Maui</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$39,327.00	\$39,327.00
Personnel	\$9,875.00	\$9,879.00
Claims	\$31,540.00	\$16,212.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$80,742.00</b>	<b>\$49,206.00</b>
<b>Molokai</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$273.00	\$273.00
Personnel	\$0.00	\$0.00
Claims	\$0.00	\$0.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$273.00</b>	<b>\$273.00</b>
<b>Lanai</b>	<b>Expenditures &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$60,803.00	\$60,803.00
Personnel	\$66,312.00	\$66,312.00
Claims	\$9,585.00	\$12,088.00
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$136,700.00</b>	<b>\$127,115.00</b>
<b>Kauai</b>	<b>Expenditure s &amp; Claims</b>	<b>Total Amount Expended</b>
Operating	\$14,053.00	\$14,053.00
Personnel	\$0.00	\$0.00
Claims	\$6,999.00	0
Contracts	\$0.00	\$0.00
<b>Total</b>	<b>\$21,052.00</b>	<b>\$14,053.00</b>
<b>TOTAL</b>	<b>\$389,846.00</b>	<b>\$332,486.00</b>