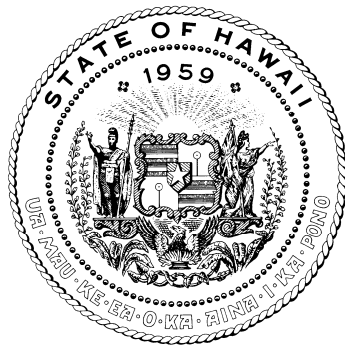


**REPORT TO THE TWENTY-FIFTH LEGISLATURE**  
**REGULAR SESSION OF 2009**  
**RELATING TO THE WILDLIFE REVOLVING FUND**  
**FISCAL YEAR 2007-2008**



Prepared by

THE STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

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

Honolulu, Hawai'i  
November 2008

**RELATING TO THE WILDLIFE REVOLVING FUND  
FISCAL YEAR 2007-2008**

**PURPOSE**

The purpose 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 WRF, including a description of the criteria and process used to determine funding priorities;
2. A description of programs and activities supported by WRF;
3. A summary of program highlights and accomplishments; and
4. A description of future program plans, including specific goals and objectives.

**SOURCE OF FUNDS**

Section 183D-10.5 (b), HRS, provides that proceeds from the following may be deposited in WRF: 1) Fees for hunting licenses, 2) Game bird farmer and commercial hunting preserve licenses, 3) Fees for hunting guide licenses, hunter education training programs and use of public target ranges, 4) Fines collected for hunting or wildlife law violations, 5) Bail forfeitures, and 6) Sale of articles required before hunting, and related works of art. For Fiscal Year (FY) 2008, the major sources of revenue were hunting license sales, wildlife stamp sales, and game tags and application fees. Sources of revenues are detailed below:

**FY08 REVENUE**

|   |                  |
|---|------------------|
| Hunting License Sales   | \$171,543        |
| Wildlife Conservation Stamps and Artwork                          | 25,428           |
| Game Tags and Application Fees                                    | 39,430           |
| Game Bird Stamp   | 25,540           |
| Commercial Shooting Preserve Shooting Permits                     | 440              |
| Game Bird Farmer and Commercial Hunting Preserve License and Fees | 550              |
| Hunter Education Activities                                       | 0                |
| Hunting Guide License Fees  | 675              |
| Court Fines   | 900              |
| Interest  | 4,257            |
| Miscellaneous   | <u>1,316</u>     |
| <b>TOTAL</b>  | <b>\$270,079</b> |

Revenue for FY08 represented an approximately \$120,845 decrease (-31%) from comparable revenue from the previous year. Major changes from last year in revenues and available fees resulted from an appellate court ruling on December 31, 2007 which had the effect of suspending sales of the Wildlife Conservation Stamp, the Game Bird Stamp, and all tags and application fees for the remainder of the FY. More than half of the loss in revenue from the previous year was from loss in tag and application fees (-\$63,305). Revenue did not meet the Department's authorized budget ceiling for WRF of \$605,639. New expenditures totaled \$296,789. The cash balance at the end of FY08 amounted to \$8,757, with outstanding encumbrances of \$4,513. Unencumbered cash available for carryover totaled \$4,244.

Status of WRF During FY08 (S-06-343-C & S-06-344-C)

|   |                 |
|---|-----------------|
| Beginning Cash Balance of Fund on July 1, 2007:                 | \$115,910       |
| Less: Liquidation of outstanding encumbrances from prior years: | \$ 80,443       |
| Add: Revenues during FY08:                                      | \$270,079       |
| Less: Expenditures during FY08:                                 | \$296,789       |
| <b>Cash Balance as of June 30, 2008:</b>                        | <b>\$8,757</b>  |
| Less: Unpaid encumbrances for FY07 as of June 30, 2008:         | \$ 4,513        |
| Less: Unpaid encumbered contracts for FY07 as of June 30, 2008: | \$ 0            |
| <b>Unencumbered Cash for carryover as of June 30, 2008:</b>     | <b>\$ 4,244</b> |

**FUNDING PRIORITIES**

The 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 source of revenue for WRF comes from the sale of hunting licenses, wildlife stamps used to validate hunting licenses, and game tags and application fees, priority is given to expenditures which benefit this user group. As referred to above, an appellate court ruling has halted the sale of stamps, game tags, and application fees until a formal hunting rules change can reestablish these direct assessments to hunters as a beneficiary group.

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 (GMA) and the Kīpuka ‘Āinahou Nēnē Sanctuary on the Big Island, which also benefit nēnē. Predator control activities in Kuaokalā GMA on O’ahu were carried out with WRF monies to benefit game birds, and these activities also benefited pueo and mōī.

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.

Revenues are managed and allocated so as to ensure that fees support operations in the same locations where the fees were assessed. The allocation of operating funds to the Department's Division of Forestry and Wildlife'S (DOFAW) Branch Offices was done on a lump sum basis to be used on eligible projects. Salary funds were divided among the Branches to provide each Branch a full time or part time general laborer (GL) position and to provide a clerk typist to manage the hunting license database.

With the decline in license fee revenue, the funding available for salaries was also reduced and all recruitment for WRF positions has been frozen. There were 3 GL and a 0.5 FTE clerk typist positions frozen as of the end of FY08. 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, stamp, tag, and application fees. Discussions among wildlife staff had continued on the possible conversion of WRF-supported GL's to forestry and wildlife technicians, but became a moot point with substantial loss of funds.

### **PROCESS USED**

1. The Department's Fiscal Office and DOFAW coordinated to determine the amount of WRF available for allocation to DOFAW's Branch Offices.
2. At the beginning of each fiscal year, a portion of the 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 expenditures that provided needed infrastructure and improvements to public hunting areas, maintained existing or provided new public hunting opportunities, or addressed other high priority initiatives.
5. All expenditures are identified and coded as "WILDLIFE REVOLVING FUND: S-08-343" 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 (Board) on August 13, 1993 (see Attachment 1, appended).

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

### **KAUA‘I BRANCH**

#### **Hunting Season Management**

*Objectives:* Provide hunting information to the public and other districts through legal notices as required by administrative rules. Manage public hunting seasons in compliance with Chapter 13-122 Hawai‘i Administrative Rules (HAR), regulating game bird hunting and Chapter 13-123 HAR regulating game mammal hunting.

*Accomplishments:* WRF monies were used to purchase bulk postage mailing, game tag materials, game tags, permits, instruction sheets, and publishing game hunting legal notices for the Island of Kaua‘i. The Waimea Heights and Pu‘u ‘ōpae areas were opened for game birds and game mammals this year.

#### **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.

*Accomplishments:* Funds were used to continue the full-time, temporary employment of a GL I position to assist in all game management operation on Kaua‘i through April 2008, at which time the position was vacated due to lack of revenues. Spending of WRF in the 3rd and 4th quarters of FY08 was curtailed due to the budget shortfall.

#### **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:* The motor vehicle fleet was maintained through the use of WRF. No vehicles purchases were made during the project period. Spending of WRF monies in the third and fourth quarters of FY08 was curtailed due to budget shortfall.

#### **Commission on Hunting License Sales**

*Objective:* To pay the Kaua‘i hunting license vendors for their commission on the sale of the 2007-08 Hawai‘i Hunting Licenses.

*Accomplishments:* Hunting licenses were available and sold by five vendors.

|   |          |
|---|----------|
| Total WRF expenditures incurred for Kauaʻi: | \$49,299 |
| Encumbered Balance Outstanding:             | \$ 0     |

Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees and fill vacant WRF GL position on Kauaʻai Branch.
2. Provide for the administrative costs, such as legal notices, printing and publishing of game tags, permits, announcements of hunting seasons and additions of new hunting areas. - \$10,000 (100% WRF)
3. Incremental development of the proposed Hanahanapuni Public Shooting/Archery Range \$15,000 (50% WRF)
4. Continue the artificial game bird release project in the Kekaha and Wailua GMAs. Plan, design, and purchase building materials, equipment and supplies for the complete construction of a game bird rearing facility - \$20,000 (100% WRF)
5. Purchase a four-wheeled drive vehicle to be added to the game program to support all aspects of operations, management, and surveys. \$15,000 (50% WRF)
6. Continue to maintain all wildlife vehicles and equipment used under the Kauaʻi game program. \$15,000 (100% WRF)
7. 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. \$15,000 (50% WRF)
8. Provide air logistical support to conducts surveys, operations and maintenance of the Kauaʻi game management program. \$15,000 (50% WRF)

**OʻAHU BRANCH**

Game Management on Oʻahu.

*Objectives:* To maintain and enhance wildlife habitat and facilities on Oʻahu public hunting areas (PHAs), GMAs, and wildlife sanctuaries; and to improve game bird and game mammal hunting opportunities on Oʻahu.

*Accomplishments:* A GL was hired to perform operations and maintenance work on Oʻahu public hunting areas and wildlife sanctuaries. This was done by

- Assisting other biologists and technicians in raising of 325 Chukar Partridges in the Kuaokalā GMA
- Spreading 6,000 lbs. of wild bird feed on in the Kuaokalā GMA during the gamebird hunting season to attract birds into the hunting area and provide supplemental feed for released gamebirds.
- Assisting in Ring-necked Pheasant propagation activities, and banding for release in GMAs.

- Increasing game habitat and maintaining access roads and trails in the PHAs and GMAs, by removing invasive weeds and trees using power tools, machinery, and herbicides.
- Maintaining and logging information from hunter check stations located in the PHAs.
- Assisting in the maintenance of wildlife sanctuaries using power tools, machinery and herbicides.

Total WRF expenditures incurred for O‘ahu: \$32,885

Encumbered Balance Outstanding: \$ 250

#### Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees and fill vacant WRF GL position on O‘ahu Branch.
2. Continue funding the WRF GL position to perform tasks targeted towards ongoing management of O‘ahu District wildlife management areas - \$40,000 (100% WRF).
3. Purchase game birds from farmers and day-old chicks from mainland hatcheries to release into the GMAs - \$6,000 (100% WRF).
4. Purchase equipment and supplies needed for ongoing O & M in O‘ahu Wildlife Management Areas - \$15,000 (100% WRF).

### **MAUI BRANCH**

#### Lease of Cooperative GMA-Lāna‘i

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

*Accomplishment:* The entire annual lease rental for the Lāna‘i Cooperative GMA was paid via WRF monies. This area provided hunters the opportunity to pursue Axis Deer, Mouflon Sheep, and game birds.

#### Lease of Lands for Hunting Unit “C”-Maui

*Objective:* To maintain a lease of 1,000 acres of ranch lands lying between portions of the Kula Forest Reserve Hunting Unit “C” for sport hunting and wildlife management.

*Accomplishment:* The lease rental for the Ka‘ono‘ulu Ranch Cooperative GMA was paid, in part, with WRF monies, providing for an additional 1,000 acres for sport hunting and wildlife management on Maui.

#### Game Mammal Aerial Survey:

*Objective:* Annual game mammal survey of the Lāna‘i Cooperative GMA and private portions of Lāna‘i Island.

*Accomplishments:* An aerial survey of the Lāna‘i Cooperative GMA was conducted during the month of September. As part of the lease agreement, private portions of Lāna‘i were also surveyed. Aerial surveys of the game management area provide information on the dynamics of Axis deer and Mouflon Sheep herds within the hunting area. This information is used to establish hunting seasons and bag limits.

#### Contract Services-Data/Lāna‘i Hunts

*Objective:* With the shortage of clerical staff, coupled with high interest and participation in the Axis Deer and Mouflon Sheep hunts on Lāna‘i, it became necessary to contract outside support to ensure all lottery and non-lottery hunt applications were processed in a timely manner.

*Accomplishment:* A total of 5,000 hunter applications were received for the two Lāna‘i hunts, all applicant data was entered and duplicate applications identified and deleted. Due to the assistance of contract services, all applications for the Axis Deer and Mouflon Sheep hunts were properly processed, lotteries conducted and results compiled and disseminated in a timely manner.

#### Forestry and Wildlife Technician -Lāna‘i

*Objective:* To assist the Lāna‘i Forestry and Wildlife Technician with the upkeep and maintenance of 30 miles of water unit pipeline and 54 miles of access roads in the Cooperative GMA.

*Accomplishment:* Access roads and pipeline water units were maintained and kept functional during the entire time period.

#### Management of the Lottery Hunts-Lāna‘i

*Objective:* The processing and printing of documents for the Axis Deer and Mouflon Sheep hunts. Publication of legal notices advertising the two Lāna‘i hunts and shipment of instruction sheets and applications for the two hunts to the outer districts. Meeting with the Lāna‘i Company to go over current and future plans within the hunting area.

*Accomplishment:* Application cards, instruction sheets, and addendums were printed and distributed to all districts and lotteries conducted. Legal notices of both hunts were published in two newspapers advertising the hunts. A meeting with the Lāna‘i Company was conducted at the end of September. Current and future management plans were discussed.

#### Game Mammal Facilities O & M-Lāna‘i

*Objective:* Rental of dumpster(s) during the Axis Deer and Mouflon Sheep seasons for hunters to dispose of carcasses.



*Accomplishment:* The State provided dumpsters for hunters to dispose of animal carcasses during both hunting seasons.

Overtime costs for manning Lāna‘i hunter check station:

*Objective:* Hunting activities and hunter check in on Lāna‘i occurs after normal operating hours. Overtime is paid to the Lāna‘i technician to accommodate hunters.

*Accomplishments:* Due to loss of revenue into WRF, the Wildlife Technician on Lāna‘i agreed to take compensatory time in lieu of pay.

Commissions on Hunting License Sales

*Objective:* WRF monies were used to pay commissions to vendors for the sales of the 2007-2008 Hawai‘i hunting licenses.

Total WRF expenditures for Maui District were: \$98,246  
Encumbered Balance: \$ 3,376

Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees for the Lāna‘i hunting program.
2. Continue land rental on Lāna‘i-\$35,000 (100% WRF)
3. Continue land rental on Maui-\$2600 (25% WRF)
4. Support Lāna‘i Check Station overtime for FWT V position-\$6,000 (100% WRF)
5. Continue GL I position for Lāna‘i for facility upkeep and maintenance-\$42,000 (100% WRF)
6. Continue game mammal facilities development and O & M on Lāna‘i-\$5000 (100% WRF)
7. Conduct game mammal surveys on Lāna‘i -\$10,000 (100% WRF)
8. Purchase vehicle for Lāna‘i-\$35,000 (100% WRF)
9. Manage lottery hunts on Lāna‘i; including document printing, data input and drawings-\$10,000 (100% WRF)
10. Deploy additional signage for areas closed to hunt \$500 (100% WRF)
11. Fund GL I position for Lāna‘i Check Station work-\$10,000 (100% WRF)

**EAST HAWAI‘I DISTRICT**

General Laborer Position:

*Objectives:* To continue to fill the half-time GL II position. Employ a former volunteer and University of Hawaii (UH) student pursuing a degree in Ecological Management. Duties were assigned relating to the Hilo watershed cattle removal, checking stations,

nēnē habitat renewal, and endangered species recovery activities at the Pana‘ewa Rainforest Zoo.

*Accomplishments:* Employment was maintained of a former volunteer and UH student pursuing a degree in Ecological Management. Duties were assigned relating to the Hilo watershed cattle removal, checking stations, nēnē habitat renewal, and endangered species recovery activities at the zoo. Last year’s wildlife work, game and non-game, was accomplished with the continued employment of the GL.

Wildlife Habitat Management:

*Objectives:* To manage nēnē occupied coastal areas.

*Accomplishments:* Habitat was maintained to accommodate a successful nēnē nesting season which contributed to an increase in nēnē residing in coastal wetlands. Thirty traps and seven feed stations were maintained. In-kind matching contributions using volunteer and prison labor qualified for PR cost sharing. The GL II led volunteers on various projects. Seven goslings hatched.

Wildlife O & M:

*Objectives:* To continue the feral cattle hunt, and to maintain the Kīpuka ‘Āinahou lease.

*Accomplishments:* Seven miles of roadway and five miles of trails serving the Hilo Forest Reserve and Watershed were kept clear to accommodate the cattle hunters in the Hilo Forest Reserve and Watershed. The cattle hunt was continued for another year on all 64,514 acres of wetland forest. Nineteen feral cattle were taken by hunters this year. Select portions of Kapapala and Kīpuka ‘Āinahou game bird hunting areas were improved by fertilizing and renewal of bulldozed strips in the pastures. Little brown fire ants were controlled at Pana‘ewa Rainforest Zoo and in game bird nesting areas.

The 11,234 Kīpuka ‘Āinahou lease (lease agreement #312 Department of Hawaiian Home Lands-Department of Land and Natural Resources) annual rent was paid for entirely by WRF monies. Kīpuka ‘Āinahou serves as a hunting area for birds and mammals and is also a nēnē sanctuary. The area was inspected for gorse infestations as prescribed by the lease. Gorse was removed before it seeded.

Commissions on Hunting License Sales:

*Objective:* To pay commissions to vendors on the Island of Hawai‘i for sales of the 2007-2008 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.

|   |               |
|---|---------------|
| Total WRF expenditures incurred for East Hawai‘i- | \$43,727      |
| Outstanding Encumbered Balances:                  | <u>\$ 221</u> |
|   | \$40,935      |

Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees.
2. Continue to employ a part-time general laborer to help expand hunter checking station coverage, remove gorse from the Kīpuka ‘Āinahou lease, assist with the Hilo Watershed feral cattle hunt access maintenance \$18,170
3. Contribute to the costs of an eleven mile corridor fence line in the “land surrender” at Pi‘ihonua pasture lease. \$33,000

**WEST HAWAI‘I DISTRICT**

Equipment Purchase

No expenditures

Vehicle Purchase

No expenditures

Facilities Construction

No expenditures

Game Operations and Maintenance

*Objective:* Maintain predator control, the maintenance of game related facilities such as guzzlers, and increase road maintenance and habitat management capacity for the West Hawai‘i District.

*Accomplishment:* Game supplement feed blocks were purchased for maintenance of game animals in GMAs. A tool chest was purchased to support equipment maintenance projects. The GL worked in Mauna Kea, Ka‘ohe, and Pu‘uanahulu, assisting with predator trapping and control, water unit maintenance, and road maintenance.

Game Program Coordination

*Objective:* The district staff assisted K-Mart and Walmart stores 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 K-Mart and Walmart 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. Consequently, overtime hours were charged to this account.

#### Temporary Hire of Full-Time and ½-Time General Laborer

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

*Accomplishment:* A part-time GL I position was paid for out of WRF, 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 also assisted with predator control at the Big Island Country Club and Puu Waawaa Ranch for nēnē enhancement.

Total WRF Expenditures for West Hawai'i District: \$74,857

#### Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees and fill WRF General Laborer position.
2. Continue part-time General Laborer I position -\$32,000

## **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, duplicate licenses, stamps, and vendor booklets. A portion of the production costs were paid with WRF monies to continue the transition to electronic hunting license purchase and record keeping.

*Accomplishment:* Produced and distributed vendor booklets, hunting licenses, and duplicate hunting licenses. Produced stamps in the event that stamp sales could be resumed.

#### Notification of Hunting Season Openings and Changes:

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

*Accomplishment:* The game bird season announcement was published as a legal notice.

WRF total expenditures incurred for statewide administration: \$566  
 Outstanding Encumbered Balances: \$ 0  
 \$566

Future Program Plans

1. Restore revenue from the sale of hunting tags, stamps, and fees to support the statewide game program.
2. Publish notification of game bird hunting season announcement - \$700 (100% WRF)
3. Revise rules to establish fees approved by the Board and revise and update changes to conditions that have been presented to constituents at public meetings and approved by the Board
4. Enact legislative changes to Chapter 183D, HRS, that will allow for public participation and Department action to change conditions without a formal rule change.
5. Establish consistent guidelines to provide public input to proposed changes in hunting conditions.

**SUMMARY OF EXPENDITURES**

WRF EXPENDITURES BY CATEGORY AND LOCATION

| Location           | Admin | Oahu     | Maui County | Hawaii    | Kauai    | Total     |
|--------------------|-------|----------|-------------|-----------|----------|-----------|
| Personnel          | \$0   | \$29,982 | \$45,378    | \$97,502  | \$43,531 | \$216,393 |
| Operations         | \$566 | \$2,903  | \$52,868    | \$18,290  | \$5,769  | \$80,396  |
| Total Expenditures | \$566 | \$32,885 | \$98,246    | \$115,792 | \$49,300 | \$296,789 |

## 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. Development, improvement and management of existing and new wildlife sanctuary facilities including fences, moats, water control structures, pumps, ditches, nesting sites, holding pens, boardwalks, viewing kiosks, watering 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, exclosures, 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 checking 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, waterbirds, 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, interpretive 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.