

APPENDIX III

FEDERAL AID SECTION 7 EVALUATION FORMS

**STATE COMPLIANCE WITH REQUIREMENTS OF THE ENDANGERED SPECIES
ACT OF 1973**

FOR THE

HAWAII NONGAME MANAGEMENT PROGRAM FY2001-2005

PREPARED BY

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DIVISION OF FORESTRY AND WILDLIFE

Federal Aid Section 7 Assessment
HAWAII NONGAME MANAGEMENT PROGRAM FY2001-2005

In developing these projects, precautions have been taken to evaluate potential impacts to threatened and endangered species and to incorporate measures which will protect listed species that may be affected by project activities. Hawaii currently has 377 species listed as threatened or endangered, an additional 123 proposed or candidate species under consideration for listing and 1,084 species of concern (See Appendix II for a list of endangered, threatened, proposed, and candidate species found on the various Islands throughout the State). A Federal Aid Assessment (Section 7 Evaluation Form) has been completed by the State Federal Aid Coordinator for each project to identify potential impacts and, where needed, incorporate additional measures that the State will take to avoid impacts or ensure that listed species are identified and protected.

The Division believes that Findings of "No Effect" or "Not Likely To Adversely Affect Listed Species" are warranted for the project activities in this grant package. The following considerations and mitigative measures were factors in reaching those findings.

1. The Nongame Management Program primary objective is to aid nongame and endangered species and has been purposefully designed to avoid activities that directly adversely affect listed species.
2. DOFAW's Resource Management Guidelines and distribution maps of listed species were used as planning tools in developing nongame management project activities and in assessing potential impacts to listed species in completing the State's portion of the Section 7 Assessments.
3. Many of the activities carried out under this program are routine, ongoing and located in previously developed and disturbed areas. Improvements are located to avoid impacts to listed species during construction.

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
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State: Hawaii
NGC: Project 1.

Project Number: W-30-

1. **NAME AND DESCRIPTION OF PROJECT:** Statewide Nongame Program Coordination. Project Period FY2001-2005.
2. **LOCATION(S):** (attach map) State of Hawaii
3. **OBJECTIVES OF THE ACTION:** To establish and maintain a system of planning, review, record keeping, project monitoring, supervision, reporting and coordination among staff and outside personnel and agencies adequate to meet the requirements for participation in and administration of the nongame management portion of the State's Federal Aid in Wildlife Restoration Program.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed for the State of Hawaii. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the administrative nature of the planned actions, the proposed project will not affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
 - a. Approve Project as proposed with no need for modification.
 - b. Modify Project to Benefit

State Reviewer: PAUL J. CONRY
Date: 11 April 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-31-NGO: Project 1

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Operations and Maintenance – East Hawaii. To operate and maintain existing buildings, structures, and infrastructure for the nongame management program on East Hawaii for the period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kipuka Ainahou; Kahuku, Keauhou Wildlife Sanctuaries; Keaau, Kapapala Ranch, and King's Landing Cooperative Endangered Species Management Areas. See Hawaii County nongame reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To operate and maintain existing buildings, structures, and infrastructure on 3 State Wildlife Sanctuaries and 3 Cooperative Endangered Species Management Areas totaling approximately 65,000 acres to provide secure habitat for nongame and endangered species and recreational opportunities for the public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on the Island of Hawaii. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The operation of baseyards and facilities and the maintenance of existing baseyard buildings, nene feed and water units, fences, access roads and trails and signs are activities that are routine, previously conducted and repetitious in nature. Nene wildlife feed and water units will be fenced or covered to exclude use by game mammals. Because the facilities and improvements are located in previously developed and maintained areas, these activities are not likely to adversely affect listed species. Project actions are likely to have a positive effect on the target listed wildlife species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 26, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-31-NGO: Project 2

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Operations and Maintenance – West Hawaii. To operate and maintain existing buildings, structures, and infrastructure for the nongame management program on East Hawaii for the period FY 2001-2005.
2. **LOCATION(S):** (attach map) Puuwaawaa Forest Bird Sanctuary; Puu Keanui Cabin, Pohakuloa Wildlife Facility, Makalawaena Cooperative Endangered Species Management Area. See Hawaii County nongame reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To operate and maintain existing buildings, structures, and infrastructure on 1 State Wildlife Sanctuaries and 1 Cooperative Endangered Species Management Areas and in other nongame wildlife areas to provide secure habitat for nongame and endangered species and recreational opportunities for the public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on the Island of Hawaii. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The operation of baseyards and facilities and the maintenance of existing baseyard buildings, nene feed and water units, fences, access roads and trails and signs are activities that are routine, previously conducted and repetitious in nature. Nene wildlife feed and water units will be fenced or covered to exclude use by game mammals. Because the facilities and improvements are located in previously developed and maintained areas, these activities are not likely to adversely affect listed species. Project actions are likely to have a positive effect on the target listed wildlife species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 26, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

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State: Hawaii

Project Number: W-31-NGO: Project 3

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Operations and Maintenance - Maui. To operate and maintain existing buildings, structures, and infrastructure for the nongame management program on Maui for the period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kanaha Pond and Pauwalu Point and offshore islet Wildlife Sanctuaries and nene release sites on Maui and Molokai. See Maui County nongame reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To operate and maintain buildings, structures, signs and other infrastructure at State Wildlife Sanctuaries and other wildlife management areas to provide secure habitat for endangered species and recreational opportunities for the public. To maintain and operate the water control system and drainage system at Kanaha Pond and to maintain nesting islets and appropriate nesting vegetation. To maintain nene release pens, feed and watering units, habitat management areas.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on the Islands of Maui. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The operation of baseyards and facilities, and the maintenance of existing baseyard buildings, nene feed and water units, fences, release pens, access roads and trails and signs are activities that are routine, previously conducted and repetitious in nature. Nene wildlife feed and water units will be fenced or covered to exclude use by game mammals. Vegetation control in Kanaha Pond will focus on non-native weed removal and control and avoid native and listed plants. Vegetation control has the potential to cause damage to native and endangered plant species if not done carefully. Endangered plants will be identified and clearly marked to avoid harm. Because the facilities and improvements are located in previously developed and maintained areas, these activities are not likely to adversely affect listed species. Project actions are likely to have a positive effect on the target listed wildlife species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve the Nongame Operation and Maintenance – Maui project as proposed with the conditions that for vegetation control at Kanaha Pond, the state identify and clearly mark endangered plants to

avoid harming them during non-native vegetation control operations and that staff and volunteers be informed of their locations and adequately trained with the weed control techniques equipment to avoid unintentionally damage.

State Reviewer: Paul J. Conry
Date: April 26, 2000

SECTION 7 EVALUATION FORM
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State: Hawaii

Project Number: W-31-NGO: Project 4

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Operations and Maintenance - Oahu. To operate and maintain existing buildings, structures, and infrastructure for the nongame management program on Oahu for the period FY 2001-2005.
2. **LOCATION(S):** (attach map) State Forest Reserves; Seabird Sanctuaries - Kaohikaipu, Manana, the Mokuluas, Popoi'a, Mokolea, Moku Manu, and Moku'auia, Kapapa and Mokolii Islands (all off the coast of Oahu); Kaena Point NAR; Kure Atoll in the Northwest Hawaiian Islands; Wetland Sanctuaries - Hamakua, Paiko, Heeia, Salt Lake, Pouhala, and Kawainui; DOFAW Makiki Baseyard, and DOFAW Kawainui Satellite Baseyard. See Oahu reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To operate and maintain buildings, structures, and infrastructure, and to perform custodial functions on 37 wildlife management areas totaling approximately 34,000 acres to provide secure habitat for nongame and endangered species and recreational opportunities for the public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on the Island of Oahu. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The operation of baseyards and facilities and the maintenance of existing baseyard buildings, wildlife pens, fences, access roads and trails and signs are activities that are routine, previously conducted and repetitious in nature. Because the facilities and improvements are located in previously developed and maintained areas, these activities are not likely to adversely affect listed species. Project actions are likely to have a positive effect on the target listed wildlife species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 26, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
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State: Hawaii

Project Number: W-31-NGO: Project 5

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Operations and Maintenance - Kauai.
To operate and maintain existing buildings, structures, signs and other infrastructure in the Kawaiele Wildlife Sanctuary, Kauai for the period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kawaiele Wildlife Sanctuary, Kauai. See Kauai reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To operate and maintain buildings, structures, and infrastructure, and to perform custodial functions at the Kawaiele Wildlife Sanctuary to provide secure habitat for nongame and endangered species and recreational opportunities for the public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on the Island of Oahu. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The operation of public use facilities and the maintenance of existing buildings, irrigation system, fences, access road and parking lot, foot paths and signs are activities that are routine, previously conducted and repetitious in nature. Because the facilities and improvements are located in previously developed and maintained areas, these activities are not likely to adversely affect listed species. Project actions are likely to have a positive effect on the target listed wildlife species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 26, 2000

SECTION 7 EVALUATION FORM
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State: Hawaii

Project Number: W-32-NGP: Project 1

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Population Management – East Hawaii. To restore and enhance endangered bird populations in Wildlife Sanctuaries and Cooperative Endangered Species Management Areas in East Hawaii. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Throughout East Hawaii District with particular focus on Wildlife Sanctuaries and Cooperative Endangered Species Management Areas in East Hawaii. See Hawaii County nongame reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To enhance reproduction and survival of endangered bird populations by reducing the numbers of mongooses, feral cats, rats, pigs and dogs in Wildlife Sanctuaries and Cooperative Endangered Species Management Areas in East Hawaii County. To enhance survival of endangered species populations by rescuing, treating, banding and releasing into secure occupied habitat injured or displaced individuals.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on Hawaii. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Reduction of mongoose, cat, rat, pig and dog numbers in Wildlife Sanctuaries and Cooperative Endangered Species Management Areas by live trapping or use of registered diphacinone toxicants will benefit endangered bird populations by reducing predation losses due to these predators. Diphacinone will be used in tamper proof bait stations to avoid nontargets and live traps will be set in areas they will not catch nene or other endangered waterbirds. Reduction of rat numbers may also benefit listed plant species by reducing seed take. Rescue and relocation of injured or displaced individual endangered species will prevent their demise and enhance survival of endangered population. These planned actions will benefit those endangered birds aided and are not likely to adversely affect other listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 26, 2000

SECTION 7 EVALUATION FORM
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State: Hawaii

Project Number: W-32-NGP: Project 2

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Population Management – West Hawaii. To restore and enhance endangered bird populations in Wildlife Sanctuaries and other important nongame wildlife areas in West Hawaii. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Throughout West Hawaii District with particular focus on Wildlife Sanctuaries and Cooperative Endangered Species Management Areas in West Hawaii. See Hawaii County nongame reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To enhance reproduction and survival of endangered bird populations by reducing the numbers of mongooses, feral cats, rats, pigs and dogs in Wildlife Sanctuaries and Cooperative Endangered Species Management Areas in West Hawaii County. To enhance survival of endangered species populations by rescuing, treating, banding and releasing into secure occupied habitat injured or displaced individuals.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on Hawaii. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Reduction of mongoose, cat, rat, pig and dog numbers in Wildlife Sanctuaries and Cooperative Endangered Species Management Areas by live trapping or use of registered diphacinone toxicants will benefit endangered bird populations by reducing predation losses due to these predators. Diphacinone will be used in tamper proof bait stations to avoid nontargets and live traps will be set in areas they will not catch nene or other endangered waterbirds. Reduction of rat numbers may also benefit listed plant species by reducing seed take. Rescue and relocation of injured or displaced individual endangered species will prevent their demise and enhance survival of endangered population. These planned actions will benefit those endangered birds aided and are not likely to adversely affect other listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 26, 2000

SECTION 7 EVALUATION FORM
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State: Hawaii

Project Number: W-32-NGP: Project 3

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Population Management - Maui. To restore and enhance endangered bird populations in Wildlife Sanctuaries, wetlands and wildlife management areas in Maui County. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kanaha Pond Wildlife Sanctuary and nene release sites in West Maui and Molokai, and wetland oxidation ponds on Lanai and Molokai. See Maui reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To enhance reproduction and survival of endangered bird populations by reducing the numbers of mongooses, feral cats, rats and dogs at Kanaha Pond and other waterbird Wildlife Sanctuaries in Maui County and nene release sites in West Maui and Molokai. To enhance survival of endangered species populations by rescuing, treating, banding and releasing into secure occupied habitat injured or displaced individuals of endangered species.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on Maui, Molokai and Lanai. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Reduction of mongoose, cat, rat and dog numbers at Kanaha Pond Wildlife Sanctuary and nene release sites in Maui and Molokai by live trapping or use of registered diphacinone toxicants will benefit endangered bird populations by reducing predation losses due to these predators. Diphacinone will be used in tamper proof bait stations to avoid nontargets and live traps will be set in areas they will not catch nene or other endangered waterbirds. Reduction of rat numbers may also benefit listed plant species by reducing seed predation. Rescue and relocation of injured or displaced individual endangered species will prevent their demise and enhance survival of endangered populations. These planned actions will benefit those endangered birds aided and are not likely to adversely affect other listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 26, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

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State: Hawaii

Project Number: W-32-NGP: Project 4

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Population Management - Oahu. To restore populations of nesting seabirds and waterbirds in Seabird Sanctuaries, Wildlife Sanctuaries and other wildlife management areas, Oahu County. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kaena Point Natural Area Reserve, Kuaokala GMA, Kure Atoll, Oahu off shore seabird Sanctuaries, waterbird Sanctuaries, Oahu County.
3. **OBJECTIVES OF THE ACTION:** To establish a population of 1,000 nesting pairs of Wedge-tailed shearwaters at Kaena Point Natural Area Reserve, 12 nesting pairs of Laysan albatross at Kuaokala GMA, and to monitor eradication of rats on Green Island, Kure Atoll; perform predator assessments on Oahu off-shore islands; perform predator assessment, research and control in wetland sanctuaries on Oahu.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** All federally listed species found on Oahu and Offshore Islands. See Appendix II for listed species.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Reduction or eradication of predators; mongoose, cats, rats and dogs, at Kaena Point Natural Area Reserve and on offshore island seabird sanctuaries will not adversely affect listed species in the area. Diphacinone will be used in tamper proof bait stations to avoid nontargets and live traps will be set in areas they will not catch nene or other endangered waterbirds. Reduction of rat numbers may also benefit listed plant species by reducing seed predation. Rescue and relocation of injured or displaced individual endangered species will prevent their demise and enhance survival of endangered populations. These planned actions will benefit those endangered birds aided and are not likely to adversely affect other listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 26, 2000

SECTION 7 EVALUATION FORM
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The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-33-NGH: Project 1

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Habitat Management – East Hawaii. To enhance endangered species and native bird habitat by restoring native vegetation and food plants of value to wildlife. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Wildlife Sanctuaries and Cooperative Endangered Species Management areas in East Hawaii. See Hawaii reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To enhance endangered species and native bird habitat in select wildlife sanctuaries by outplanting desirable native food plants; to clear 4 acres of non-native brushy and weedy habitat in select nene sanctuaries and replace it with desirable food plants such as grasses and fruit plants.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Four acres of non-native brush and weedy vegetation will be mowed and planted with desirable food plants. Sites for native food plant outplanting will be cleared of weeds by hand or selective use of herbicides and the native species planted. Areas to be treated will be surveyed prior to mowing or clearing to ensure they do not have listed plant species. Improving 4 acres of nene habitat in nene sanctuaries and outplanting 200 native food plants in wildlife sanctuaries will benefit listed bird species and is not likely to adversely affect other listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve habitat management actions as proposed with the condition that a site survey is done prior to mowing and clearing or treatment to avoid any listed plants.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
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Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-33-NGH: Project 2

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Habitat Management – West Hawaii. To enhance endangered species and native bird habitat in Puu Waawaa Forest Bird Sanctuary. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Puu Waawaa Forest Bird Sanctuary, West Hawaii. See Hawaii reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To control aggressive weedy species and outplant native trees in Puu Waawaa Forest Bird Sanctuary. Project actions will include controlled pulse-grazing of the 836 acre Kalepiula Mauka Kona Paddock, coordination of grazing management, seed collection for propagation, and outplanting of native trees.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Cattle Grazing. Cattle grazing on the 836 acre Kalepiula Mauka Kona Paddock. will control banana poka, an extremely aggressive and damaging weed, in the western portion of the Puu Waawaa Sanctuary. The Division has developed a "Banana Poka Control Plan" that was approved by the BLNR for the Sanctuary which provides for controlled cattle grazing. This plan also provides that the cattle rancher closely manage the cattle so that they not escape into other areas of the Sanctuary. Initial trials with 100 cattle for a 3-month period removed banana poka on the ground and within reach of cattle. The level of poka removal and potential damage to forest resources were monitored and the cattle removed before they shifted to Koa or caused excessive damage to the fern layer. The operation was a success in removing low growing poka from the grazing area. Additional grazing operations are needed to retard regrowth and any newly sprouted plants.

Cattle grazing has the potential to harm any listed plant that may occur in the grazed paddock. However, the Kalepiula Mauka Kona Paddock has been surveyed for listed plants and none have been found. If any endangered plants are found in this area, they will be fenced or otherwise protected if it is determined that they are at risk from cattle grazing. With the above mitigative measures, the grazing of cattle to control banana poka has greater benefits than impacts. The control of banana poka by the use of pulse-grazing as proposed here is an activity that is not likely to adversely affect listed plant species and will have long term benefits for the forest ecosystem and listed species.

Collection of seed and the outplanting of native plants here is an activity that is not likely to adversely affect listed plant species and will have long term benefits for the forest ecosystem and listed species.

6. CONCLUSION: (circle one)

a. No Effect

b. May Affect

1) not likely to adversely affect

2) is likely to adversely affect

3) likely to jeopardize/adverse modification of proposed species/critical habitat

7. RECOMMENDATION: (include action modifications)

Approve the Nongame Habitat Management –West Hawaii project as proposed with the condition that if any endangered plants are found in the grazed area, they will be fenced or otherwise protected if it is determined that they are at risk from cattle grazing.

State Reviewer: Paul J. Conry

Date: April 27, 2000

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State: Hawaii

Project Number: W-33-NGH: Project 3

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Habitat Management - Oahu. To control noxious weeds on the Oahu offshore island seabird sanctuaries and State-owned wetland habitats in order to maintain physical vegetation and species composition suitable for seabird nesting and waterbird feeding, loafing and nesting. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Offshore island seabird sanctuaries and State-owned wetlands, Oahu.
3. **OBJECTIVES OF THE ACTION:** To annually control weeds on Oahu offshore island seabird sanctuaries and State-owned wetland habitats in order to maintain physical vegetation and species composition suitable for seabird nesting and waterbird feeding, loafing and nesting.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Oahu. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Seabird Islands. Project activities will be restricted to disturbed sites on offshore islands during January and February when nesting shearwaters are not present. Prior to commencement of work, habitat enhancement areas will be surveyed for listed plants or nesting seabirds and necessary measures taken to avoid or protect listed species. Weeds will be cleared by hand or treated with herbicides with all herbicides used sparingly and according to label directions. Habitat enhancement areas will be surveyed prior to management activities and measures taken to protect both common native and any endangered plant species.
Wetlands. Wetland vegetation will be controlled by mowing, spraying or controlled grazing. All habitat work will be done in the nonbreeding seasons or in areas where native bird life will not be disturbed. Herbicides will be used sparingly and according to label directions. Habitat enhancement areas will be surveyed prior to management activities and measures taken to protect both common native or endangered plant species if discovered. No listed plant species are known to occur in State managed wetlands.
Because of the limited scope of project activities and the protective measures incorporated in the project approach, the proposed habitat enhancement project will not adversely affect listed species and will have long term benefits for the island and wetland ecosystems and listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat

7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-34-NGF: Project 1

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Facilities Construction- East Hawaii.
To construct needed structures and infrastructure for the nongame management program on Hawaii.
Project Period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kahuku, Keauhou 1, Keauhou 2, and Keaau Nene Sanctuaries, and Kapapala Ranch, King's Landing, and Makalawaena Cooperative Endangered Species Management Areas. See Hawaii reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To construct three water and feed units in nene sanctuaries, construct and install 100 informational signs over a five year period, construct twmporary endangered species holding pens.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Construction of feed and water units for nene will benefit this species. Feed and water units will be located in a disturbed site that does not have listed plant species and not involve clearing of new sites. Temporary holding pens will be constructed at disturbed or previously developed sites. Because of the limited scope of proposed construction projects and avoidance of listed species in site location, proposed project actions are not likely to adversely affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed without need for modification.

State Reviewer: Paul J. Conry

Date: April 28, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-34-NGF: Project 2

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Facilities Construction- West Hawaii. To construct needed structures and infrastructure for the nongame management program on Hawaii. Project Period FY 2001-2005.
2. **LOCATION(S):** (attach map) Puu Waawaa Forest Bird Sanctuary. See Hawaii reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To construct fencing and water troughs to enable controlled grazing in the 836 acre Kalepiula Mauka Kona Paddock of the Puu Waawaa Forest Bird Sanctuary. To construct enclosure fencing to protect 6 small native plant communities.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
6. **5. EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Cattle Management Facilities. Cattle grazing will be used as a banana poka control technique on the 836 acre Kalepiula Mauka Kona Paddock.. Construction of interior paddock fencing and water troughs will enable better management of cattle and control of cattle in smaller units. Grazing will be used to control banana polka, an extremely aggressive and damaging weed, in the western portion of the Puu Waawaa Sanctuary. The Division has developed a "Banana Poka Control Plan" that was approved by the BLNR for the Sanctuary which provides for controlled cattle grazing. This plan provides that the cattle rancher closely manage the cattle so that they not escape into other areas of the Sanctuary. Initial trials with 100 cattle for a 3-month period removed banana poka on the ground and within reach of cattle. The level of poka removal and potential damage to forest resources were monitored and the cattle removed before they shifted to Koa or caused excessive damage to the fern layer. The operation was a success in removing low growing poka from the grazing area. Additional grazing operations are needed to retard regrowth and any newly sprouted plants.
Cattle grazing has the potential to harm any listed plant that may occur in the grazed paddock. However, the Kalepiula Mauka Kona Paddock has been surveyed for listed plants and none have been found. If any endangered plants are found in this area, they will be fenced or otherwise protected if it is determined that they are at risk from cattle grazing. With the above mitigative measures, the grazing of cattle to control banana poka has greater benefits than impacts. The control of banana poka by the use of pulse-grazing as proposed here is an activity that is not likely to adversely affect listed plant species and will have long term benefits for the forest ecosystem and listed species.

Construction of enclosure fencing to protect native plant communities and construction of information signs are activities that will benefit listed species.

6. CONCLUSION: (circle one)

a. No Effect

b. May Affect

1) not likely to adversely affect

2) is likely to adversely affect

3) likely to jeopardize/adverse modification of proposed species/critical habitat

7. RECOMMENDATION: (include action modifications)

Approve Nongame Facilities Construction-West Hawaii project as proposed with the condition that if any endangered plants are found in this area, they will be fenced or otherwise protected if it is determined that they are at risk from cattle grazing.

State Reviewer: Paul J. Conry
Date: April 28, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-34-NGF: Project 3

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Facilities Construction-Maui. To construct needed structures and infrastructure for the nongame management program on Maui. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kanaha Pond and Pauwalu Point Wildlife Sanctuaries and nene release sites in West Maui and Molokai. See Maui reference maps in Appendix I.
3. **OBJECTIVES OF THE ACTION:** To construct two open top breeding/release pens and three feed/water units in West Maui and East Molokai. Install signs and constructing a walk-through only entrance at Pauwalu Seabird Sanctaury.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Maui. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Construction of open top breeding/release pens and feed and water units for nene will benefit and speed the recovery of this species. The open top breeding/release pen and feed and water units will be located in previously disturbed sites and only involve minor clearing of vegetation. A site survey will be conducted before construction of pens and fencing in order to avoid listed species. Construction of signs and a walk-through only gate will be done in disturbed areas and only involve minor clearing of vegetation. Because of the limited scope of proposed construction projects and avoidance of listed species in site location, proposed project actions are not likely to adversely affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed without need for modification.

State Reviewer: Paul J. Conry

Date: April 28, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-34-NGF: Project 4

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Facilities Construction-Oahu. To construct needed storage facilities for nongame management programs on Oahu. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kure Atoll and upland sites adjacent to Kawainui Marsh, Pouhala Marsh, and Hamakua Marsh. See Oahu reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION** To construct needed storage facilities for nongame management programs on Oahu.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Oahu. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) The new storage facilities will be constructed in previously developed, upland sites at Kawainui Marsh, Pouhala Marsh, Hamakua Marsh and on Kure Atoll. Construction will avoid all wetland habitats. Because of the limited nature of construction activities and selection of sites to avoid listed species, proposed project actions will not affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed without need for modification.

State Reviewer: Paul J. Conry

Date: April 28, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-34-NGF: Project 5

1. **NAME AND DESCRIPTION OF PROJECT:** Nongame Facilities Construction-Kauai. To construct needed structures and infrastructure for the nongame management program on Kauai. Project period FY 2001-2005.
2. **LOCATION(S):** (attach map) Kawaiele Sand Mine/Waterbird Sanctuary, Kauai.
3. **OBJECTIVES OF THE ACTION:** To complete Phase II development of Kawaiele Sand Mine/Waterbird Sanctuary including development of 15 acres of impoundment; and construction of a parking lot, observation kiosk, 0.1 mile of walkway, 1.0 mile of fencing and 50 signs.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Construction of impoundments, structures and infrastructure at the Kawaiele Sand Mine/Waterbird Sanctuary will benefit endangered waterbirds on Kauai and speed the recovery of these species. The development of the Kawaiele impoundments is being done by commercial sand mining operations in exchange for the rights to mine and sell the sand. Phase II will involve development of an additional 15 acres of impoundment plus development of Sanctuary infrastructure to manage the site to make it more productive for waterbirds and provide for public visitation and interpretation.

The Kawaiele Sand Mine/Waterbird Sanctuary is located at a highly disturbed site with no rare plant species. The site is overgrown with weedy dryland vegetation dominated by Koa haole, bristly foxtail grass, Indian fleabane, kiawe, and sisal. An EA (Negative Declaration) was completed at initiation of the project and concluded that project development would not affect any rare or endangered species. In addition, an archaeological/paleontological Survey was completed by Bishop Museum prior to initiation of sand mining and a program established to monitor sand mining operations and preserve significant historical or archaeological finds. Because of the heavily disturbed nature of the site and absence of listed species, proposed project actions are not likely to adversely affect listed species.

6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)

Approve project as proposed with conditions that sand mining operations be monitored for potential archaeological/zoological remains and appropriate actions taken to protect and recover significant finds.

State Reviewer: Paul J. Conry
Date: April 28, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 1, Job 1

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Nene on Hawaii – East Hawaii District. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Throughout Hawaii County, where ever nene occur, with particular emphasis on Wildlife Sanctuaries and Cooperative Endangered Species Management. See Hawaii reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** Determine the status and distribution, reproductive success and trends of the nene population on Hawaii; monitor the effects of habitat and population management actions, assess habitat condition and identify limiting factors.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. conducting surveys, radio telemetry, walking along existing trails and transects recording observations, the capture and banding of geese and attachment of radio telemetry equipment by experienced individuals, the proposed project will not affect listed species and will benefit nene by improving the knowledge of limiting factors and identification of primary habitats.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 1, Job 2

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Nene on Maui County. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Maui, Molokai and Lanai. See Maui reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** Determine the status and distribution, reproductive success and trends of the nene population on Maui District; monitor the effects of habitat and population management actions; monitor movements and survival of geese via radio telemetry equipment and assess habitat condition. This project anticipates that nene will be released and established on Molokai and Lanai during the project period.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Maui, Molokai and Lanai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. conducting surveys, walking along existing trails and transects recording observations, monitoring nest success, radio telemetry studies, and the capture, banding and radio-collaring of geese by experienced individuals, the proposed project will not affect listed species and will benefit nene by improving the knowledge of limiting factors and identification of primary habitats.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 1, Job 3

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Nene on Kauai. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Island of Kauai. See Kauai reference map in Appendix I.
3. **OBJECTIVES OF THE ACTION:** Determine the status and distribution, trend, reproductive success, habitat preferences, and causes of mortality in the 4 separate nene population on Kauai.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. conducting surveys, walking through habitats and transects recording observations, monitoring nest success, radio telemetry studies, and the capture, banding and radio-tagging nene by experienced individuals. The proposed project will not adversely affect listed species, and will benefit nene by improving the knowledge of limiting factors and identification of primary habitats
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 2, Job 1

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Forest Birds-Statewide Surveys. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Forest bird habitat on the islands of Kauai, Oahu, Molokai, Maui and Hawaii.
3. **OBJECTIVES OF THE ACTION:** To monitor the status and distribution of native and introduced forest bird populations and their characteristics, particularly threatened or endangered species, in selected forest areas throughout the State of Hawaii; to conduct rare bird searches for and find populations of rare and endangered species; to determine status and condition of forest bird habitat including key components such as presence and abundance of avian disease, predators or food resources; and disseminate findings to cooperators and public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai, Oahu, Molokai, Maui and Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. conducting surveys, walking along existing trails and transects recording observations, monitoring nesting success and effects of other limiting factors such as disease and predation, these activities will not affect listed species. Because the capture, banding and disease sampling of forest birds will be done by or under the supervision of experienced individuals such as Staff Veterinarian, Staff Biologists or personnel who have received adequate training, these proposed activities are not likely to affect listed species and will benefit rare native and endangered birds by improving the knowledge of limiting factors and identification of primary habitats.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 1

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds-Statewide Waterbird Database. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Honolulu
3. **OBJECTIVES OF THE ACTION:** To compile a database of semi-annual waterbird survey results and disseminate findings to cooperators and public.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Oahu. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of the office work and data analysis tasks involved with this project, this project will have no effect on listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 2

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds –East Hawaii. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Wetlands in East Hawaii.
3. **OBJECTIVES OF THE ACTION:** To semi-annually monitor the population status and distribution of waterbirds, migratory and resident waterfowl and shorebirds and their habitats in East Hawaii.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of the activities involved with this project; i.e. conducting surveys at wetlands, driving to or walking to wetlands or walking along streams and canal banks recording observations; these activities are not likely to affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 3

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds –West Hawaii. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Wetlands in West Hawaii.
3. **OBJECTIVES OF THE ACTION:** To semi-annually monitor the population status and distribution of waterbirds, migratory and resident waterfowl and shorebirds and their habitats in West Hawaii.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Hawaii. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of the activities involved with this project; i.e. conducting surveys at wetlands, driving to or walking to wetlands or walking along streams and canal banks recording observations; these activities are not likely to affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 4

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds -Maui County. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Wetlands on Maui, Molokai and Lanai.
3. **OBJECTIVES OF THE ACTION:** To semi-annually monitor the population status and distribution of waterbirds, migratory and resident waterfowl and shorebirds and their habitats in Maui County.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Maui. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of the activities involved with this project; i.e. conducting surveys at wetlands, driving to or walking to wetlands or walking along streams and canal banks recording observations; these activities are not likely to affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 5

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds - Oahu. To determine the abundance, distribution and population trends of waterbird and shorebird species on Oahu. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Island of Oahu
3. **OBJECTIVES OF THE ACTION:** To determine the abundance, distribution and population trends of waterbird and shorebird species on Oahu.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Oahu. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of survey activities involved with this project, i.e. conducting surveys at wetlands, driving to or walking to wetlands or walking along streams and canal banks recording observations; these activities are not likely to affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 3, Job 5

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Waterbirds -Kauai County. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Wetlands in Kauai County.
3. **OBJECTIVES OF THE ACTION:** To semi-annually monitor the population status and distribution of waterbirds, migratory and resident waterfowl and shorebirds and their habitats in Kauai County.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the non-intrusive nature of the activities involved with this project; i.e. conducting surveys at wetlands, driving to or walking to wetlands or walking along streams and canal banks recording observations; aerial surveys, these activities are not likely to adversely affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 4, Job 1

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Seabirds -Maui County. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Pauwalu Point Wildlife Sanctuary , offshore islets and coastal areas, Maui.
3. **OBJECTIVES OF THE ACTION:** To determine the location of seabird colonies, to monitor the population status of seabirds and habitat, to determine the presence and extent of human disturbance and predation, to determine encroachment of non-native vegetation.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Maui. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. conducting counts at colonies, assessing habitat condition and causes of mortality, this project is not likely to adversely affect listed species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 4, Job 2

- 1. NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Seabirds - Oahu. To monitor the abundance, distribution, population trends, breeding status and limiting factors of various species of seabirds within the County of Honolulu. Project period FY2001-2005.
- 2. LOCATION(S):** (attach map) County of Honolulu (Island of Oahu and offshore islands, Kure Atoll)
- 3. OBJECTIVES OF THE ACTION:** To monitor the abundance, distribution, population trends, breeding status and limiting factors of various species of seabirds within the County of Honolulu and determine the presence and extent of human disturbance on seabird colonies.
- 4. LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Oahu. See Appendix II for the list of species considered.
- 5. EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of activities involved with this project (i.e. aerial fixed-wing photo survey, helicopter photo monitoring, colony counts, mark/recapture analysis of banding data) and precautions taken (no ground surveys in areas with burrows or with nesting birds), the proposed project will not adversely affect listed species.
- 6. CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
- 7. RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 4, Job 3

1. **NAME AND DESCRIPTION OF PROJECT:** Survey and Inventory of Seabirds -Kauai. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Island of Kauai.
3. **OBJECTIVES OF THE ACTION:** To collect information on threatened and endangered seabirds on Kauai, collect, band and release grounded seabirds to assess losses to seabird fallout, evaluate characteristics of the population involved; to analyze data and identify key areas that need special management efforts to alleviate losses.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the safe or non-intrusive nature of the activities involved with this project; i.e. surveys, data collection, banding and releasing of grounded seabirds by experienced personnel, etc.; this project is not likely to adversely affect listed species. Rescue, banding and release of dark-rumped petrels and Newell's shearwaters will benefit these threatened and endangered species.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry

Date: April 27, 2000

SECTION 7 EVALUATION FORM
Region 1 - FY2001-2005
Federal Aid

The following evaluation form shall be completed and accompany each request for consultation. It may also be completed and kept on file, at the discretion of the Region, for actions where a "Will Not Affect" determination has been made.

State: Hawaii

Project Number: W-35-NGS: Project 5, Job 1

1. **NAME AND DESCRIPTION OF PROJECT:** Special Nongame Wildlife Surveillance - Kauai. Project period FY2001-2005.
2. **LOCATION(S):** (attach map) Island of Kauai.
3. **OBJECTIVES OF THE ACTION:** To provide surveillance, detection, follow-up, documentation and initial control of new undesirable predators, competitors, diseases that may affect threatened, endangered, endemic and indigenous wildlife species on Kauai.
4. **LISTED SPECIES OR THEIR CRITICAL HABITATS CONSIDERED:** Plant and animal species listed on Kauai. See Appendix II for the list of species considered.
5. **EXPLANATION OF IMPACTS OF ACTION ON LISTED SPECIES OR THEIR CRITICAL HABITATS:** (Attach supporting biological data) Because of the nature of the activities involved with this project - the surveillance and control of non-native wildlife, i.e conducting surveys for non-native wildlife species, observing, trapping, and controlling non-native wildlife; this project is not likely to adversely affect listed species. The early identification of potential harmful pests will benefit listed species by making it possible to prevent the establishment of new pests on the island.
6. **CONCLUSION:** (circle one)
 - a. No Effect
 - b. May Affect
 - 1) not likely to adversely affect
 - 2) is likely to adversely affect
 - 3) likely to jeopardize/adverse modification of proposed species/critical habitat
7. **RECOMMENDATION:** (include action modifications)
Approve project as proposed with no need for modification.

State Reviewer: Paul J. Conry
Date: April 27, 2000