

**DECISION
AND
FINDING OF NO SIGNIFICANT IMPACT**

Supplement to the Environmental Assessment: Reducing Bird Damage in the State of West Virginia

The United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Wildlife Services (WS) program completed an Environmental Assessment (EA) and Finding of No Significant Impact (FONSI) on alternatives for reducing bird damage in West Virginia (USDA 2014). The management alternative selected was, “Alternative 1 – Continue the Current Integrated Approach to Managing Bird Damage (Proposed Action/No Action)” in which WS uses and recommends practical and effective nonlethal and lethal methods to alleviate bird damage to agricultural and natural resources, property, and human health and safety. The program prepared a Supplement in 2016 to analyze additional levels of damage from certain bird species that may have potential environmental and social impacts to the quality of the human environment from resolving damage. The EA and Supplement document the need for bird damage management and assess potential impacts on the human environment of three alternatives to address that need. The proposed action alternative in the Supplement would continue an integrated damage management program to address the need to manage damage and threats associated with birds (USDA 2016).

PUBLIC COMMENTS

The Supplement was made available for review and comment from August 29 to September 30, 2016. The document was made available through a Notice of Availability (NOA) published in the *Charleston Gazette* and sent to interested parties through the APHIS Stakeholder Registry. WS also published the document on the program website. No comments were received. All correspondence on the EA and Supplement is maintained at the WS State Office, 730 Yokum Street, Elkins, WV 26241.

ISSUES ASSOCIATED WITH BIRD DAMAGE MANAGEMENT ACTIVITIES

The EA and Supplement analyzed a range of management alternatives in context of issues relevant to the scope of the analysis including:

- Issue 1 - Effects on target bird populations
- Issue 2 - Effects on non-target wildlife species, including threatened and endangered (T&E) species
- Issue 3 - Effects on human health and safety
- Issue 4 - Effects on the aesthetic value of birds

AFFECTED ENVIRONMENT

Bird damage or threats of damage can occur statewide in West Virginia wherever those bird species occur. However, bird damage management would only be conducted by WS when requested by a landowner or manager and only on properties where a cooperative service agreement or other comparable document was signed between WS and a cooperating entity. Upon receiving a request for assistance, activities could be conducted on federal, state, tribal, municipal, and private properties. Areas where damage or threats of damage could occur include, but would not be limited to agricultural fields, vineyards, orchards, farms, aquaculture facilities, grain mills, grain handling areas, railroad yards, waste handling facilities, industrial sites, natural resource areas, park lands, and historic sites, state and interstate

highways and roads, property in or adjacent to subdivisions, businesses, industrial parks, timberlands, croplands, and pastures, private and public property, and locations where birds are a threat to human safety through the spread of disease. The areas could also include airports and military airbases where birds are a threat to human safety and to property.

DESCRIPTION OF THE ALTERNATIVES

The following three alternatives were developed to respond to the issues identified in Chapter 2 of the EA. A detailed discussion of the effects of the alternatives on the issues is described in the EA and Supplement; below is a summary of the alternatives.

Alternative 1 - Continue the Current Integrated Approach to Managing Bird Damage (No Action/Proposed Action)

The proposed action/no action alternative would continue the current implementation of an adaptive integrated approach utilizing non-lethal and lethal techniques, as deemed appropriate using the WS Decision Model, to reduce damage and threats caused by birds in West Virginia. A major goal of the program would be to resolve and prevent bird damages and to reduce threats to human safety. To meet this goal, WS, in cooperation with the USFWS and in consultation with the WVDNR, would continue to respond to requests for assistance with, at a minimum, technical assistance, or when funding is available, operational damage management.

The adaptive approach to managing damage associated with birds would integrate the use of the most practical and effective methods to resolve a request for damage management as determined by site-specific evaluations. City/town managers, agricultural producers, property owners, and others requesting assistance would be provided information regarding the use of appropriate non-lethal and lethal techniques. The USFWS could continue to issue depredation permits to WS and to those entities experiencing bird damage when requested by the entity and when deemed appropriate by the USFWS for those species that require a permit.

Under this alternative, WS could respond to requests for assistance by: 1) taking no action, if warranted, 2) providing only technical assistance to property owners or managers on actions they could take to reduce damages caused by birds, or 3) providing technical assistance and direct operational assistance to a property owner or manager experiencing damage.

The most effective approach to resolving wildlife damage is to integrate the use of several methods simultaneously or sequentially. The philosophy behind integrated wildlife damage management is to implement the best combination of effective management methods in a cost-effective manner while minimizing the potentially harmful effects on humans, target and non-target species, and the environment. Integrated damage management may incorporate cultural practices (e.g., animal husbandry), habitat modification (e.g., exclusion, vegetation management), animal behavior modification (e.g., scaring, repellents), removal of individual offending animals (e.g., trapping, shooting, and avicides), local population reduction, or any combination of these, depending on the circumstances of the specific damage problem.

Alternative 2 - Bird Damage Management by WS using only Non-lethal Methods

Under this alternative, WS would be restricted to only using or recommending non-lethal methods to resolve damage caused by birds in West Virginia. Lethal methods could continue to be used under this alternative by those persons experiencing damage without involvement by WS. In situations where non-lethal methods were impractical or ineffective to alleviate damage, WS could refer requests for

information regarding lethal methods to the state, local animal control agencies, or private businesses or organizations. Property owners or managers may choose to implement WS' non-lethal recommendations on their own or with the assistance of WS, implement lethal methods on their own, or request assistance (non-lethal or lethal) from a private or public entity other than WS.

Alternative 3 – No Bird Damage Management Conducted by WS

This alternative precludes any activities by WS to reduce threats to human health and safety, and alleviate damage to agricultural resources, property, and natural resources. WS would not be involved with any aspect of bird damage management. All requests for assistance received by WS to resolve damage caused by birds would be referred to the USFWS, the WVDNR, and/or private entities. This alternative would not deny other federal, state, and/or local agencies, including private entities from conducting damage management activities directed at alleviating damage and threats associated with birds.

CONSISTENCY

Wildlife damage management activities conducted in West Virginia are consistent with work plans, MOU's, and policies of WS, the WVDNR, and the USFWS. WS reviewed the list of T&E species in West Virginia as determined by the USFWS. Based on that review during the development of the EA, WS determined that activities conducted pursuant to the proposed action would have no effect on federally listed T&E species.

On May 25, 2016, the United States District Court for the District of Columbia vacated the Public Resource Depredation Order (PRDO) for double-crested cormorants issued by the U.S. Fish and Wildlife Service (USFWS) (see *Public Employees for Environmental Responsibility v. USFWS*, 2016 WL 3030228 (D.D.C. 2016)). The Court's vacatur of the PRDO followed the Court's decision on the merits on March 29, 2016, concluding that the 2014 EA prepared by USFWS in renewing the PRDO was insufficient. Specifically, the Court found that USFWS failed to take a "hard look" at the effect of the PRDO on double-crested cormorant populations when it did not update previous population model estimates in its 2014 EA (see *Public Employees for Environmental Responsibility v. USFWS*, 177 F. Supp. 3d 146, 153 (D.D.C. 2016)). In response to the vacatur, WS immediately ceased activities involving the take of double-crested cormorants conducted pursuant to the PRDO.

Following the Court's decisions, all activities that result in take of double-crested cormorants for the protection of public resources now require a depredation permit issued by the USFWS pursuant to the Migratory Bird Treaty Act (MBTA) (16 USC 703-712).¹ WS-West Virginia previously received a statewide depredation permit from the USFWS for the take of various species of birds. The current statewide depredation permit authorizes WS to take double-crested cormorants, as well as other bird species, pursuant to the conditions specified in the permit.

WS-West Virginia receives requests to assist with reducing and preventing damage caused by multiple bird species. To comply with the National Environmental Policy Act (NEPA), WS developed an Environmental Assessment (EA) to evaluate potential activities to alleviate damage associated with several bird species, including double-crested cormorants and issued a Decision/Finding of No Significant Impact selecting the EA's preferred alternative.

¹ The MBTA prohibits the take of a migratory bird or its nest or eggs. USFWS regulations define "take" to mean "pursue, hunt, shoot, wound, kill, trap, capture, or collect." 50 CFR 10.12. MBTA regulations specify that "[n]o permit is required merely to scare or herd depredating migratory birds other than endangered or threatened species or bald or golden eagles." 50 CFR 21.41(a). Thus, non-lethal harassment of double-crested cormorants is not considered take under the MBTA.

WS-West Virginia has reviewed its EA to determine the impact of the Court's decisions on WS's NEPA coverage for take of double-crested cormorants to protect public resources.² WS-West Virginia has determined that to the extent that its EA references the USFWS' vacated 2014 EA, the USFWS's 2009 EA, and/or the USFWS' 2003 Environmental Impact Statement, WS-West Virginia will no longer rely on the analyses from those documents regarding the impacts on double-crested cormorant populations.

Upon receiving a request for assistance involving the take of double-crested cormorants to protect aquaculture or public resources, WS-West Virginia will independently evaluate each request to determine if the proposed project falls within the class of actions that WS may categorically exclude from detailed environmental analysis pursuant to APHIS' NEPA Implementing Procedures (7 CFR 372.5). If WS-West Virginia determines that the request for assistance, as proposed, cannot be categorically excluded, WS-West Virginia may work with the cooperator to modify the request, decline to provide some or all of the requested assistance, or decide to prepare a supplemental EA or new NEPA document pursuant to 7 CFR 372.5 and the Council on Environmental Quality regulations (40 CFR 1500.1, *et seq.*).

MONITORING

The West Virginia WS program will annually review its effects on target bird species and other species addressed in the EA and Supplement to ensure those activities do not impact the viability of wildlife species. In addition, the EA and Supplement will be reviewed each year to ensure that the analyses are sufficient.

CUMULATIVE IMPACTS OF THE PROPOSED ACTION

No significant cumulative environmental impacts were identified from any of the three alternatives, including the proposed action. Under the proposed action, the lethal removal of birds by WS would not have significant impacts on statewide bird populations when known sources of mortality were considered. No risk to public safety were identified under Alternative 1 since only trained and experienced personnel would conduct and/or recommend damage management activities. There would be a slight increased risk to public safety when persons who reject assistance and recommendations conduct their own activities when no assistance is provided under Alternative 3. However, under all of the alternatives, those risks would not be to the point that the effects would be significant. The analysis in the EA indicates that an integrated approach to managing damage and threats caused by birds would not result in significant cumulative effects on the quality of the human environment.

DECISION AND FINDING OF NO SIGNIFICANT IMPACT

I have carefully reviewed the Supplement prepared for this proposal and the input from the public involvement process. I find the proposed action alternative (Alternative 1) to be environmentally acceptable, addressing the issues and needs while balancing the environmental concerns of management agencies, landowners, advocacy groups, and the public. Except as noted above for lethal removal of cormorants, the analysis in the EA and Supplement adequately addresses the identified issues, which reasonably confirm that no significant impact, individually or cumulatively, to the quality of the human environment are likely to occur from the proposed action, nor does the proposed action constitute a major federal action. Therefore, the analysis in the Supplement does not warrant the completion of an EIS.

² The Court's decisions do not apply to non-lethal damage management activities (e.g., technical assistance and non-lethal harassment). The Court's decisions also do not affect take of double-crested cormorants under airport permits to protect human health and safety or under scientific collecting permits.

Based on the analysis in the EA and Supplement, the need for action and the issues identified are best addressed by selecting Alternative 1 and applying the associated standard operating procedures. Alternative 1 successfully addresses (1) bird damage management using a combination of the most effective methods and does not adversely impact the environment, property, human health and safety, target species, and/or non-target species, including T&E species; (2) it offers the greatest chance of maximizing effectiveness and benefits to resource owners and managers; (3) it presents the greatest chance of maximizing net benefits while minimizing adverse effects to public health and safety; and (4) it offers a balanced approach to the issues of humaneness and aesthetics when all facets of those issues are considered. Further analysis would be triggered if changes occur that broaden the scope of damage management activities that affect the natural or human environment or from the issuance of new environmental regulations. Therefore, it is my decision to implement the proposed action/no action alternative (Alternative 1) as described in the EA and as revise in this Decision document.

Based on the analysis provided in the EA and Supplement, there are no indications that the proposed action (Alternative 1) would have a significant impact, individually or cumulatively, on the quality of the human environment. I agree with this conclusion and therefore, find that an EIS should not be prepared. This determination is based on the following factors:

1. Bird damage management, as conducted by WS in the state, is not regional or national in scope.
2. The proposed action would pose minimal risk to public health and safety. Based on the analysis in the EA and Supplement, the methods available would not adversely affect human safety based on their use patterns and standard operating procedures.
3. There are no unique characteristics such as park lands, prime farm lands, wetlands, wild and scenic areas, or ecologically critical areas that would be significantly affected. WS' standard operating procedures and adherence to applicable laws and regulations would further ensure that WS' activities do not harm the environment.
4. The effects on the quality of the human environment are not highly controversial. Although there is some opposition to bird damage management, this action is not highly controversial in terms of size, nature, or effect.
5. Based on the analysis documented in the EA, Supplement, and the accompanying administrative file, the effects of the proposed damage management program on the human environment would not be significant. The effects of the proposed activities are not highly uncertain and do not involve unique or unknown risks.
6. The proposed action would not establish a precedent for any future action with significant effects.
7. No significant cumulative effects were identified through the assessment. The EA and Supplement analyzed cumulative effects on target and non-target species populations and concluded that such impacts were not significant for this or other anticipated actions to be implemented or planned within the State of West Virginia.
8. The proposed activities would not affect districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places, nor would they likely cause any loss or destruction of significant scientific, cultural, or historical resources.

9. WS has determined that the proposed program would not adversely affect any federally listed T&E species currently listed in the state. In addition, WS has determined that the proposed activities would not adversely affect state-listed species of concern.
10. The proposed action would comply with all applicable federal, state, and local laws.
11. No significant cumulative effects were identified by this assessment or other actions implemented or planned within the area.

The rationale for this decision is based on several considerations. This decision takes into account public comments, social/political and economic concerns, public health and safety, and the best available science. The foremost considerations are that: 1) bird damage management would only be conducted by WS at the request of landowners/managers, 2) management actions would be consistent with applicable laws, regulations, policies and orders, and 3) no significant effects to the environment were identified in the analysis. As a part of this Decision, the WS program in West Virginia would continue to provide effective and practical technical assistance and direct management techniques that reduce damage and threats of damage.

Janet Bucknall, Director-Eastern Region
USDA/APHIS/WS
Raleigh, North Carolina

Date

APPENDIX A
LITERATURE CITED

USDA (U.S. Department of Agriculture). 2015. Environmental Assessment: Reducing Bird Damage in the State of West Virginia. USDA APHIS WS, Elkins, WV.

USDA (U.S. Department of Agriculture). 2016. Supplement to the Environmental Assessment: Reducing Bird Damage in the State of West Virginia. USDA APHIS WS, Elkins, WV.