

History and Organization

The NWRC was established in 1940 as part of the U.S. Bureau of Biological Survey (which later became the U.S. Fish and Wildlife Service). In 1986, the Center transferred to USDA and today is part of the Wildlife Services program, a unit within USDA's Animal and Plant Health Inspection Service (APHIS). The Wildlife Services program provides leadership and expertise to resolve wildlife conflicts that threaten public health and safety, agriculture, property, and natural resources.

As the research arm of Wildlife Services, the NWRC employs more than 150 scientists, technicians, and support personnel at our 43-acre headquarters campus in Fort Collins, CO, and at eight field stations around the country. Our scientists are experts in a wide range of fields, including:

- analytical chemistry
- animal behavior
- chemistry
- ecology
- economics
- onidomiolog
- epidemiology
- genetics

- immunology
- information transfer

molecular and

cellular biology

pesticide

registration

- statistics
 toxicology
- toxicology

sensory biology

wildlife diseases

- veterinary medicine
- virology
- wildlife biology
- reproductive physiology

State-of-the-Art Facilities

The NWRC headquarters and field stations have state-of-the-art facilities for wildlife research: chemistry, genetics, disease, and other laboratories; a wide range of outdoor animal holding pens; tropical- and temperate-simulated natural environments; and a biosafety-level 3 suite. These facilities allow for the study of traditional laboratory animals and many wildlife species in both laboratory and semi-natural settings. Scientists can also test, evaluate, and modify new tools and techniques in-house before conducting field studies.

Our specially trained team of wildlife veterinarians and animal care technicians care for all animals housed at the NWRC headquarters and field stations. The NWRC complies with all Animal Welfare Act regulations and standards and is committed to treating and handling research animals safely and humanely. We also apply innovative techniques and approaches to reduce the number of animals we use in our research.

Collaborations

NWRC scientists work closely with their colleagues in Wildlife Services' operational unit to develop and transfer methods for managing or mitigating wildlife damage.

NWRC scientists also work with many other researchers,





Wildlife Services supports the U.S. Fish and Wildlife Service's collaborative work to recover endangered black-footed ferrets by manufacturing and delivering an oral vaccine bait that protects their main food source—prairie dogs—from deadly sylvatic plague.

partners, and stakeholders, including other Federal, State, and local governments; Tribal nations; foreign governments; industry groups; scientific and professional societies; environmental and animal welfare organizations; U.S. animal and public health laboratories; and the general public. To further extend our research and training, the Center creates formal and informal cooperative programs with universities, State and Federal agencies, international organizations, and stakeholders.

NWRC Field Station Locations





For More Information

To learn more about the NWRC, contact us:

National Wildlife Research Center
USDA-APHIS Wildlife Services
4101 LaPorte Avenue
Fort Collins, CO 80521 • Phone: (970) 266–6000
Email: nwrc@usda.gov

www.aphis.usda.gov/wildlifedamage/nwrc

Directions to NWRC

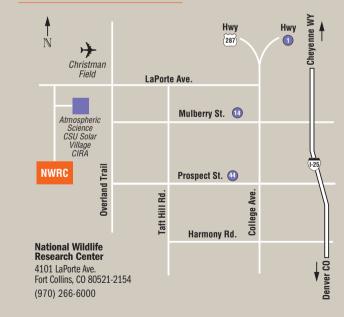


Photo Credits: The image of black-footed ferrets is by the U.S. Fish and Wildlife Service. All other images in this brochure are by USDA employees.

USDA is an equal opportunity provider, employer, and lender.

Revised August 2018



United States Department of Agriculture

National Wildlife Research Center

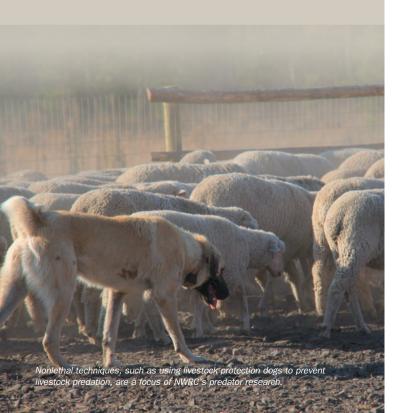
PROVIDING
INNOVATIVE
SOLUTIONS TO
HUMAN-WILDLIFE
CONFLICTS

Animal and Plant Health
Inspection Service
Wildlife Services
Miscellaneous Publication No. 1544

Our Values

In our work to help America manage its wildlife resources wisely and effectively, NWRC upholds these core values and principles:

- Conducting high-quality research
- Considering stakeholder needs
- Maintaining excellent standards of animal welfare
- Providing information and technology transfer
- Collaborating with numerous and diverse partners
- Promoting personal and institutional integrity
- Valuing and investing in workforce diversity
- Developing and advancing the Center's workforce



The **National** Wildlife Research Center (NWRC)

is one of the world's leading research facilities devoted entirely to developing methods for managing wildlife damage effectively. As part of Wildlife

Services, a program within the U.S. Department of Agriculture (USDA) Animal and Plant Health Inspection Service, the Center's work covers a broad range of concerns: agricultural and property damage, wildlife diseases, wildlife hazards to aviation. invasive species, and threats to endangered species. In all, we're committed to finding innovative solutions that create a balance between people and wildlife and better enable us to coexist.

Identifying Problems, Finding Solutions

Wildlife is an important, highly valued public resource. Yet by its very nature, wildlife is dynamic and mobile—and can damage agricultural and environmental resources and pose risks to human safety and health.

NWRC evaluates wildlife damage situations and develops methods and tools to reduce or eliminate damage and resolve conflicts. Our scientists study native and invasive birds, mammals, and other wildlife that cause serious but localized damage problems. We conduct research to make sure the methods developed are biologically sound, effective, safe, economical, and socially responsible. The majority of the Center's research budget is devoted to nonlethal tools and techniques.







NWRC supports the National Rabies Management Program by evaluating oral

and invasive wildlife can sometimes...

> Collide with aircraft

Damage

Wildlife Disease—Explores ways to reduce the spread and transmission of disease agents among wildlife, humans, and domestic animals; develops disease diagnostic methods: develops methods and strategies to monitor wildlife pathogens and prevent and control wildlife diseases; assesses risks to agriculture and human health and safety; and coordinates wildlife disease surveillance and monitoring activities.

Technology Development and Transfer—Develops new products that help prevent or reduce wildlife damage: promotes research outcomes so others can adopt them for real-world use and public benefit; and moves new technologies to the marketplace through patents, invention licenses, and partnerships with the private sector.

The NWRC also has a number of support units, including pesticide and drug registration, analytical chemistry,

- Tools and strategies to reduce bird predation at aquaculture facilities Registration of chemicals and drugs for use as wildlife damage management tools
 - · Taste and olfaction in selected wildlife species and nonlethal chemical repellents for birds and mammals
 - Techniques to reduce wildlife hazards to planes and other aircraft
 - Economic assessments of management tools and techniques, as well as cost estimates for a variety of wildlife damage issues
 - Genetic techniques to learn more about animals, their abundance, behavior, movements, and evolution and develop new pesticides that are species-specific, humane. and have low environmental burden

