

Mason Neck, Occoquan Bay and Featherstone National Wildlife Refuges are all managed under the Potomac River National Wildlife Refuge Complex.

Occoquan Bay National Wildlife Refuge is located at 14050 Dawson Beach Road Woodbridge, VA Visitor Contact Station: 703/491 6869

For further information, contact: Potomac River National Wildlife Refuge Complex 14344 Jefferson Davis Highway Woodbridge, VA 22191 703/490 4979 r5rw_msnwr@fws.gov

Federal Relay Service for the deaf and hard-of-hearing 1 800/877 8339

U.S. Fish & Wildlife Service 1 800/344 WILD

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U.S. Fish & Wildlife Service

Occoquan Bay

National Wildlife Refuge

HISTORIC SITE FILE: *DEEP HOLE*
PRINCE WILLIAM PUBLIC LIBRARY SYSTEM
RELIC/Bull Run Reg Lib, Manassas, VA



Eastern meadowlark
©B. Henry/VIREO

Twenty miles south of Washington, DC, at the confluence of the Potomac and Occoquan rivers, Occoquan Bay National Wildlife Refuge is an oasis where migrating birds and busy city residents both seek a quiet escape from development. Its diverse grasslands and marshes attract songbirds, raptors, waterfowl and butterflies that depend on meadows and open water for their food, nesting sites, and a place to rest. Visitors share this feeling of respite as they hike quiet trails and watch wildlife drawn to the one-square mile refuge, an oasis in an urban setting.

History



This blue goose, designed by J.N. "Ding" Darling, has become the symbol of the National Wildlife Refuge System.

Long before Europeans colonized North America, humans and wildlife shared the Occoquan Bay area. When John Smith explored the Chesapeake Bay and its tributaries, he found a well established Dogue Indian village at the Occoquan River's mouth. Floods, fire and native farming kept the vegetation low or in early succession, creating meadows and open areas. Migrating birds followed the same waterways that drew explorers and rested in the meadows that Americans would farm until recent times. Sturgeon, eels, striped bass and shad in the adjacent marshes drew humans and avians



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Seeding native grasses at Occoquan Bay

alike. When the Army obtained the site in 1950, for a radio transmitting station, fields of antennas replaced cows and crops. In the 1970's, the base's mission shifted to top secret research.

Electromagnetic pulse testing and sight lines for security kept the vegetation low, primarily in grasslands. When the base closed in the 1990's, the U.S. Fish and Wildlife Service was able to continue to preserve these grasslands that had nurtured wildlife for so long. Occoquan Bay National Wildlife Refuge was established in June 1998, to protect habitat for upland nesting birds, migrating wildlife, habitat diversity and environmental education.

Historical artifacts



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Visitor Opportunities

Management on national wildlife refuges (in contrast to a park), focuses on habitat for wildlife. When compatible, refuges provide wildlife-oriented recreation for people. A network of roads from the site's military days forms the basis for trails and a wildlife drive. Public use is rotated between these trails to permit a variety of wildlife observations while minimizing stress on nesting or migrating wildlife and to facilitate management. Group use of the refuge for education or other activities is regulated to minimize conflict with other visitors and avoid pressure on sensitive habitat-see permits and fees for information.

Hiking-approximately 4 miles of roads are reserved for foot traffic. Information is posted at the visitor contact station and at trail heads.

Wildlife Drive-2 miles of roads are reserved for motor vehicle and bicycle access. Vehicles can serve as a mobile wildlife observation blind, allowing visitors closer views. Drivers and passengers must stay in their vehicles while on the drive.

Photography-By controlling human intrusion, wildlife may feel less threatened and be more visible providing great opportunities for pictures. Special permits to photograph in closed areas and commercial photography are discussed in the permit and fees section.



Regulations

You can help ensure that wildlife has a place to grow and survive for future generations by respecting refuge rules and obeying posted signs. Dispose of litter properly or take it with you. All visitors are expected to comply with local, state, and federal laws and regulations, as well as with the following conditions:

Permitted:

- Visitors must stay on posted trails. Wetlands, fields and forests are reserved for wildlife.
- Foot trails are open to hikers for wildlife observation and photography. Most trails can accommodate wheelchairs and strollers.
- Vehicles are allowed only on posted roads and parking areas. Occupants must stay in their cars on the wildlife drive.
- Bicycles are considered vehicles and may only go on entry road and wildlife drive.

Prohibited:

- Pets in or out of vehicles
- Picnicking, camping and fires
- Jogging, inline skates and skateboards
- Kite flying or objects launched into the air



Occoquan Bay

National Wildlife Refuge

Visitor
Contact
Station

Entrance

Taylor Point Road

Bravo Road

Charlie Road

Delta Road

Belmont Bay

Maintenance

Catamont Creek

Dawson Beach Road

Locust Road

Charlie
Bayview Road

Lake
Drive

Painted
Turtle
Pond

Deephole Point Road

Bayview Road

Easy Road

Marumisco Creek

Fox Road

Deephole Point Road

Occoquan Bay

Deephole Point Road

Legend



Parking



Gazebo



Environmental
Education

Vehicle Traffic Only
(Bikes are vehicles.)

Foot Traffic Only

Vehicle & Foot Traffic



Portalet

Marsh

0

0.25

0.5

Miles



N

- Fireworks, firearms or weapons
- Audio devices disturbing to wildlife/people including electronic lures of any kind
- Disturbing, introducing or removing plants and animals (living or dead)
- Feeding wildlife
- Entry by foot or vehicle into closed areas
- Foot traffic on vehicle trails
- Vehicles (including bikes) on foot trails

Management

The highlights of Occoquan Bay National Wildlife Refuge are its grasslands for upland nesting birds, its location along waterways for migrating wildlife, its many habitats in a small area, its location in an urban area, and its role as a learning and inspirational focal point. To enhance these strengths, the U.S. Fish and Wildlife Service manages the area to protect existing species, maintain and enhance desired habitat, provide wildlife oriented recreation and offer public education programs.

Refuge management considers overall refuge conditions, current species, the needs of wildlife (locally and as part of the Chesapeake Bay ecosystem) and available resources to provide

Mowing encroaching brush at Occoquan Bay



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Red fox kit

balanced use benefitting wildlife and humans. Selective mowing and prescribed burns keep the vegetation as grasses and shrubs, which are attractive to birds and other wildlife. Removal or control of exotic species using physical or chemical methods help ensure that less competitive or threatened species have their

place in the refuge's ecosystem. Hunting and fishing are sometimes used as management tools with the added benefit of providing wildlife-oriented recreation in a highly developed area.

Environmental Education and Research

The refuge features many sites for environmental education with an emphasis on management and human impact. Teachers and youth leaders may set up appointments with staff to discuss projects and tour the refuge. Some field study equipment is available for loan including a small audiovisual lending library. Staff can also present workshops to prepare teachers for using the area. Fees may be waived for educational programs, but deposits on loan material may apply.

Canada goose eggs beginning to hatch



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Researchers should contact the refuge biologist for a permit to conduct studies on the refuge.

Volunteers

The refuge welcomes volunteers to help staff the visitor contact station and preset programs, assist staff in biological projects and help with maintenance in supporting the refuge. Groups and individuals are needed. Many activities have age and skill level requirements. Ask for a volunteer application.

Safety

Please stay on trails. Otherwise, you are more likely to encounter ticks, bees, chiggers or poison ivy. Insect repellent is recommended. The lack of shade on trails increases your chance of being exposed to the sun. Please dress appropriately for your visit and bring plenty of water.

Refuge wildlife is not tame. Do not try to approach wildlife too closely or touch an animal. Move away if an animal shows signs of nervousness, sudden changes in its activity or rapid flicking of head, ears, tails or wings.

Permits and Fees

The Service encourages adult and youth groups to use the refuge for wildlife-dependent interpretive and educational programs but they must obtain a permit from headquarters in advance to schedule an activity. The permitting process allows the refuge to accommodate groups, reduce pressures on habitat and wildlife, and allow other visitors the opportunity to enjoy the refuge.

Photographers may apply for permits to photograph in closed areas. A fee is required to cover the cost of administering the permit.

Permits are required for any commercial activity.

Fees collected at the refuge are used to improve public use services and facilities.

Fees

Per person \$1

Per car \$2

<i>Bus</i>	<i>less than 20 passengers</i>	<i>\$20</i>
	<i>more than 20</i>	<i>\$30</i>
<i>Annual Pass/Occoquan Bay NWR</i>		<i>\$10</i>

John & Karen Hollingsworth



Swallowtail butterfly and Bee on Thistle

The refuge honors the annual or lifetime entrance permits listed below:

<i>Federal Duck Stamps</i>	<i>\$15</i>
<i>Golden Eagle Passport*</i>	<i>\$65</i>
<i>Golden Age Passport* (age 62 or older)</i>	<i>\$10</i>
<i>Golden Access passport*-free with written proof of permanent disability</i>	

**In 2007 these will be replaced by the America The Beautiful Pass*

Refuge Facts

Acreage: 642 acres — roughly 1 square mile

Primary habitat: grasslands and marshes

Hours: April-September: 7 am - 7 pm
October-March: 7 am - 5 pm

Directions

Occoquan Bay National Wildlife Refuge is located on the east side of Woodbridge in Prince William County, Virginia, at the junction of the Potomac and Occoquan rivers. From Route 1 (Jefferson Davis Highway) in Woodbridge, go east on Dawson Beach Road .75 miles to refuge and visitor contact station at the end of the road.

National Wildlife Refuge System



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Occoquan Bay National Wildlife Refuge is one of more than 540 national wildlife refuges and thousands of waterfowl management areas in the National Wildlife Refuge System administered by the U.S. Fish and Wildlife Service. The National Wildlife Refuge System is a network of lands and waters managed specifically for the protection of wildlife and its habitat and represents the most comprehensive wildlife management program in the world.



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Two aerial views of Occoquan Bay NWR

The Service also manages national fish hatcheries and provides leadership in habitat protection, fish and wildlife research technical assistance, and the conservation and protection of migratory birds, certain marine mammals and threatened and endangered species.