Great Meadows NWR is located 20 miles west of Boston, Massachusetts. The refuge headquarters can be reached by taking Route 20 to Route 27 North. Follow Route 27 (1.7 miles) from Wayland and turn right onto Water Row. Follow Water Row (1.2 miles) until it ends and turn right onto Lincoln Road. Travel one half mile, then turn left onto Weir Hill Road.

Samuel Hoar donated the first tract of land to the Fish and Wildlife Service in 1944.

Over 3,800 acres

Great Meadows NWR was established to protect and manage freshwater wetlands for migratory birds.

Grasshopper
Great Meadows National Wildlife Refuge is one of more than 553 refuges in the National Wildlife Refuge System which is 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 wildlife habitat and represents the most comprehensive wildlife resource management program in the world. Units of the system stretch across the United States from northern Alaska to the Florida Keys, and include small islands in the Caribbean and South Pacific. The character of the refuges is as diverse as the nation itself.

Just twenty miles west of Boston lies an oasis for wildlife—the Great Meadows National Wildlife Refuge. Roughly 85 percent of the refuge’s more than 3,800 acres is composed of valuable freshwater wetlands stretching along 12 miles of the Concord and Sudbury Rivers. The U.S. Fish and Wildlife Service protects and manages Great Meadows as nesting, resting, and feeding habitat for wildlife, with special emphasis on migratory birds. The diversity of plant and animal life visible from refuge trails provides visitors with excellent opportunities for wildlife viewing and nature study.

Great Meadows NWR is one of eight national wildlife refuges that comprises the Eastern Massachusetts National Wildlife Refuge Complex. The eight ecologically diverse refuges include Assabet River, Great Meadows, Mashpee, Monomoy, Nantucket, Nomans Land Island, and Oxbow. These protected inland and coastal wetlands, forests, grasslands, and barrier beaches provide important habitat for migratory birds, mammals, plants, reptiles, and amphibians.
The goal of refuge management is to provide habitat for a diversity of native fish and wildlife. Management tools include exotic plant control, water level and vegetation manipulation. Exotic plant control helps maintain the natural diversity present in an ecosystem. Water level manipulation can change habitat and provide food and cover for fish and wildlife.

One of the major wildlife management efforts underway at Great Meadows NWR is the control of exotic plants. Plants such as purple loosestrife (the tall purple flower seen in disturbed areas) and water chestnut (the small green plant that forms a carpet over open water) have little to no wildlife value and are out-competing our native vegetation. Several methods of control have been attempted at the refuge: everything from hand-pulling plants, to chemical applications, to flooding the marshes. For purple loosestrife, the release of weevils and beetles native to the European home of loosestrife, seems to be the best management solution. These insects feed only on purple loosestrife.

**Wildlife Abounds**

A great diversity of birds have been recorded at Great Meadows NWR; an annotated list of over 220 species is available in a separate brochure. White-tailed deer, beaver, fisher, otter, muskrats, red fox, weasels, and various small mammals all find a home in the refuge’s rivers, wetlands, fields and woods. Amphibians and reptiles can be observed in the warmer months, but no poisonous snakes are found on the refuge. Several species of waterfowl, including mallards, black ducks, wood ducks, and blue-winged teal nest here. Nesting boxes are provided for wood ducks in some refuge wetlands.

**Wildlife Abounds**

**Eastern Bluebird**

**Working for Wildlife**

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Recognizing their value, Samuel Hoar, a hunter, purchased a part of the Meadows in 1928. He built earthen dams or dikes to hold the water within these marshlands, enhancing their value as waterfowl habitat. In 1944, Hoar donated 250 acres of this land to the U.S. Fish and Wildlife Service. To provide greater protection for the area’s wetlands and wildlife, the Service began buying additional land during the 1960s. Today the two units of the Great Meadows NWR contain over 3,800 acres of prime wildlife habitat.

As for water chestnut, a combination of harvesting the plants in the Sudbury River and draining the pools at the Concord Impoundments appear to be the most promising control.

Many relics of early people found in the vicinity date back to 5500 B.C. Thousands of stone artifacts have been found in Concord alone. River meadows and plains were burned over to provide cropland and pasture for game, and the waters provided fish in great quantity for both food and fertilizer. The river provided transportation for the Native Americans’ annual summer movement to the sea, where the greater portion of their winter food was gathered and dried.

Native Americans named the Concord River “Musetahquid,” meaning grassy banks. Settlers named the grasslands the “Great River Meadows.” Hay was harvested annually and provided an important income for early settlers. With the advent of industrialization in the early 19th century, a mill dam was built in Billerica. The dam caused the river’s water level to rise and to extend into the Meadows. The newly created habitat became increasingly attractive to waterfowl. The wetlands became highly valued for hunting and fishing.

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Great Meadows NWR provides visitors with many wildlife-oriented recreational opportunities. The refuge has long been a favorite stop for bird watchers. Noted ornithologists consider the Concord Unit of the refuge to be one of the best inland birding areas in the state. Visitors can hike the nature trails and observe, photograph, and study wildlife and plants. Snowshoeing and cross-country skiing on the trails in the winter can provide wonderful wildlife viewing opportunities.

The trails at Weir Hill take visitors on a one-mile long walk around marshes, uplands, woodlands, fields, the river, brook, and pond. The Weir Hill trail begins in front of the refuge headquarters. The office is wheelchair accessible.

The refuge office (open weekdays 8 a.m. to 4 p.m) is located adjacent to the Sudbury River at the base of Weir Hill. This hill—a 12,000 year old glacial deposit—was used by Native Americans who trapped fish in the river by constructing fish weirs; hence the name “Weir Hill.”

The Red Maple Trail begins at the refuge parking lot. It connects to trails on Round Hill, owned by the Sudbury Valley Trustees. You are welcome to walk all these trails.

To reach the office at Weir Hill, follow Route 27 (1.7 miles) from Wayland and turn right onto Water Row Road. Follow Water Row Road (1.2 Miles) until it ends and turn right onto Lincoln Road. Travel one half mile, turn left onto Weir Hill Road. The driveway is on the right near the end of the dead-end street.

Wildlife Watching Tips

Dawn and dusk are the best times to see wildlife.

During warmer seasons, little is moving on hot summer afternoons or on windy days.

Observe from the sidelines. Leave “abandoned” young animals alone. A parent is probably close by waiting for you to leave. Don’t offer snacks; your lunch could disrupt wild digestive systems.

Cars make good observation blinds. Drive slowly, stopping to scan places wildlife might hide. Use binoculars or a long lens for a closer look.

Try sitting quietly in one good location. Let wildlife get used to your presence. Many animals that have hidden will reappear once they think you are gone. Walk quietly in designated areas, being aware of sounds and smells. Often you will hear more than you will see.

Teach children quiet observation. Other wildlife watchers will appreciate your consideration.

Look for animal signs. Tracks, scat, feathers, and nests left behind often tell interesting stories.
This 126 acre unit was added to the Great Meadows NWR in 1998. The trail system winds visitors through open grasslands, wet marshes and mature forests along the Concord River. The property provides visitors with great birding and wildlife watching opportunities.

There is no direct road access to the refuge for the public. The trail system can be accessed through the Foss Farm off Bedford Road (Route 225) to the south or through Greenough Land off Maple Street to the northwest of the refuge. Both Greenough Land and Foss Farm are Town of Carlisle conservation lands and are open to the public.

This short trail across from Heard Pond is named for Ludlow Griscom, a local resident who changed the way people observed birds and who amassed historical bird observation records to enhance our understanding of bird populations in the Sudbury and Concord River.

Location: On Pelham Island Road in Wayland, about 1½ miles south of Route 20 near Wayland Town Center.
A Few Simple Rules

Public use of designated trails within the refuge for nature study, hiking and photography is permitted from one-half hour before sunrise to one-half hour after sunset. There are no picnic areas or campsites on the refuge.

Building fires, swimming and ATVs/ORVs are not permitted.

Domestic pets, including dogs, are not allowed on the refuge. Horseback riding is also not permitted on refuge trails.

Motorized vehicles and bicycles are restricted to entrance roads and parking areas. Bicycles are not allowed on trails.

Boating and fishing are allowed in the Concord and Sudbury Rivers, but not in the refuge pools.

The disturbance, destruction, or removal of wildlife, vegetation, and facilities are prohibited.

Archery deer and waterfowl hunting are allowed in some parts of the refuge. A refuge hunt permit is required.

White-tailed deer in fall.

Billerica Trail

A trail and parking area were added to the refuge in 2000 through cooperative efforts with the Sudbury Valley Trustees. The parking area is located on the east side of the Route 4 bridge in Billerica. Hikers will eventually be able to follow this river trail to Two Brothers Rock in Bedford.

Canada Geese on trails.
This is your refuge to enjoy. Please respect the wildlife and other visitors. Remember to take only memories or photographs and leave only footprints.

For further information, contact:
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