

removing unwanted seeds
from the soles of hikers'
shoes and boots. Please
use these stations before
you head into the forest
and when you leave.

These stations help stop the spread of non-native invasive plant species such as Japanese stilt grass, wavyleaf basketgrass, and garlic mustard by

What are those boot brush stations and how do they help?

meadow and cedar forest habitats.



and thrive. Thinning trees that are growing too close together is an effective tool in forest management. Sections of the park have been cleared or thinned to help preserve special

Why did I hear a chainsaw while walking in the park, and why are there so many cut trees? Trees need space to grow

Crowding also spreads infectious diseases. Human health is also affected when there are too many deer. Virginia ranked  $5^{th}$  in the nation for deer-vehicle collisions in 2009. Nearly one in every 136 Virginia drivers will have a vehicle accident in the next 12 months.

Overpopulation causes damage to native plants and trees as stems, buds, lower leaves and seeds are all eaten by hungry deer. This reduces food and shelter for other animals, resulting in fewer species and an overall loss of biodiversity. Deer also suffer. Herd health declines as the amount and quality of plant foods declines.

ing. A single adult deer consumes 5 to 7 lbs. of plant matter in one day. Over 1 ton of vegetation is consumed by one deer in one year. A healthy forest has 15 to 20 deer per square mile, but some areas of Fairfax County have as many as 100 deer per square mile!

Why are there controlled hunts in the park? When there are too many deer, the environmental impact on a forest can be devastat-

information about the effectiveness of deer and forest management tools.

What are those fenced-in areas deep in the forests? These are eas are called deer exclosures. This tool helps measure forest growth when not impacted by deer foraging. Over time, comparisons between this area and the surrounding forest will give important

Why does the forest smell burnt? Part of managing a forest is using a tool called a prescribed burn. In meadow and forest ecosystems, fire is a highly effective method for promoting good quality native habitat, limiting or eliminating invasive plant species and reducing the risk of unplanned fires.



An IMA volunteer works on a field of invasive Garlic Mustard.



5taff and volunteers are pulling non-native invasive plants.
Invasive plants are usually
non-native species that cause
ecological or economical harm.
They share certain
characteristics, such as being
able to grow quickly, generate
many offspring and tolerate
a wide range of habitats. For
instance, Japanese stilt grass
instance, Japanese stilt grass
will produce seed in as little as

Why are staff pulling green plants out of the woods?

the projects:

study is being piloted at Ellanor C. Lawrence Park (ECLP) in Chantilly. ECLP staff and the county's Resource Management Division are busy with restoration activities. As you visit the park, notice signs that indicate hard work in many parts of the park. Here are some of

The Helping Our Land Heal

Heal: A Natural
Gapital Stewardship
Model is a cooperative
pilot study sponsored by
the Fairfax County Park
Authority to transform an
unhealthy forest, impacted
by many stresses, into a
healthy self-sustaining



What are we doing?

## **What Can You Do?**

**How we treat the land has lasting impacts.** There are many things you can do to help with the Helping Our Land Heal Forestry Pilot program. Here are some of them.



Sign up for one of our programs. We have many programs listed in our Calendar of Events that talk about HOLH. Ask the person at the desk about these programs. Once you have attended one of

these programs, you will be able to help us protect the forest.

❖ Keep your dogs on leash and out of the streams. Dogs are natural hunters and when off leash can be harmful to the forest. And please scoop! Scooper laws protect streams from being polluted by pet waste.

Stay on the trail. When a person goes off trail they harm plants and compress soil. Shoes and boots can also spread harmful plant seeds.

❖ Observe wildlife from afar. All of the animals in the park are protected. Watching them from afar insures your and their safety.

**Please Follow Park Rules.** These rules are in place to protect the forest. When you are familiar with the rules and follow them you are helping protect the park.

- Protect the Animals. Persons or pets should not harass, capture, remove, injure or kill any animal, its young or its eggs, or disturb the nest, den, burrow, lodge, roost, dam or other structure found in a park.
- **2. Protect Plants and Fungi**. Plants and fungus (e.g., mushrooms), including cuttings, flowers, seeds, berries or nuts, should be left as they are found.
- **3. Protect Natural Materials.** All naturally occuring materials, including wood, wood chips, sod, earth, humus, rocks, minerals, fossils, sand, water, should not be tampered with or removed.

Visit the Helping Our Land Heal Website.
www.fairfaxcounty.gov/parks/resource-management/holh.htm

Filanor C. Lawrence Park 703-631-0013

www.fairfaxcounty.gov/parks/ecl

Visitor Center Hours: Mon., Wed.-Fri. 9 a.m.-5 p.m. Sat. and Sun. 12 p.m.-5 p.m. Closed Tues.





If accommodations or alternative formats are needed, please call 703-324-8563. TTY 703-803-3354.



Stewardship Series #15 • 10/14

# Helping Our Land Heal



A Natural Capital Stewardship Model



# Harmful Things



Pesticides kill benmowing or dumping yard waste in the ecosystem. parkland damages Planting grass,

eficial insects, and fertilzers may pollute



erosion, so riding is limited to certain trails rails. Bikes can cause trail damage and and wear away are prohibited on All-terrain vehicles Fairfax County. all park trails in They scare wildlife



and parks.

air pollution and and die due to Carving into or door to insects peeling bark off and disease. rees weaken rees opens the

strangulation from invasive vines.



runoff, flooding and erosion.

to compacted few animals live. of foliage lead soils where roots traffic and lack for oxygen and become starved





through overbrowsing. Many forests lack native young trees to replace the old when they die. vegetation near the ground, and there are fewer Overabundant deer deplete native vegetation



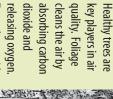




Helpful Things

nature's pest controllers. bird boxes to attact cides by installing the need for pesti-

don't remove, collect or tamper with plants Stay on trails, and protect wild places.



rees also provide

natural habitat for native birds and wildlife



is ideal habitat the surface debris and create nutrient-rich













deer

are more plentiful. also means healthier deer because food sources Fewer deer life to thrive.

sons in order to maintain their populations. availability of certain plants in specific sea-

# The Way We Treat the Land has Lasting Impacts







your yard. Reduce when landscaping hardy native plants Choose climate-

caring for parkland. staff need your help of your parks. Park Be a good steward Follow the rules and

or animals.



for insects and animals that break down

tree growth.

Pets should be kept on soil. Healthy soil then invites plant and





animals. They crowd out native species and reduce the diversity of life in the forest. Invasive species such as honeysuckle, English ivy and pachysandra are not eaten by native



stream, starving fish and insects of oxygen. anchoring roots, soil is washed into the due to hard packed soils and lack of into streams



disrupts local ecology. non-native pets into our waterways toxins into the water. Releasing

non-aquatic wildlife.

native wildlife.



rich in oxygen and thrive in waters and crustacians insects, amphibians

important role in the food chain for They also play an

other nutrients.

Healthy streams



and migratory ecosystem. Native

of a balanced animals are part Native plants and

depend on the species often