STONE WALLS



Colonial Growth

Colonial pionee, a sub-the mid 1800s, farmers had cleare soil, revealing the stones underne: protect farmland and to remove the With the advent of mechanized far With the advent of mechanized far advantage of the rich soils in New England. By s had cleared acres of land and upheaved the es underneath. Stones were piled into walls to o remove the unwanted stone from the fields. chanized farm equipment, masonry was added along roa and front yar

Fun Facts

- During the Little Ice Age, temperatures were 1-1.5 degrees Celsius cooler than historical average.
- In 2015, global annual average temperatures were 0.90 degree Celsius warmer than the 20th century average.

ENDICOTT'S VERNAL POOLS

Wetlands are

Wetlands are areas where water, sediments, and detritus drain into a low-lying outlet, creating a home for a variety of organisms.

Vernal Pools are seasonal wetlands found on the West Coast and the Glaciated Northeast. During the summer and fall months they are dry. In winter and spring, the water accumulates, allowing for aquatic species to thrive.

Why Does It Matter? Wetlands are home to a wide

in wetlands. Frogs and other amphibear waters to raise their young. sects that toa of insects, amphibeans, birds, and oes, like dragonflies, lay their eggs peans also use the nutrient-rich

Wetlands provide water purification stems healthy vide important ecosystem services, such as tion and nutrient cycles. These cycles help to keep

Fun Facts

Wetlands sequestor carbon in their dioxide in the soil. Boston is primarily a wetland that was plants filled in during the 1700s and carbon

AMERICAN CHESTNUT 80 CHESTNUT BLIGHT



American Chestnut

Endicott is home to a small stand of American Chestnuts, a fast-growing decay-resistant hardwood. The American Chestnut is a ideal tree for our ecosystem and in the 19th century, American Chestnuts made up 40% of the eastern hardwood forests. Carpenters value the wood for its light weight and longevity.

The Blight 904. fungus Cryphonectr rican Chestnuts. The I. Within 50 years, cl s died from the Ches creating *Cryphonectria parasitica* has infected most native hestnuts. The fungus was discovered in New York n 50 years, close to four billion American Chestnut estnut ight. as disco r billion . The fu hout th ion American Chestnut e fungus attacks the bark t the tree. Postules may the fungus.

Fun Facts

American Chestnuts produce people and wildlife. nut that is edible to both

The wood was and more. ed for

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estry.gov.uk/chestnutblight estpathology.org/dis_chest

WITCH'S LANE



15,000–30,000 years ago, the Laurentide Ice Sheet headed south from Canada through New England. The ice sheet scraped up the bedrock and deposited billions of stones throughout New England. From the mid 1300s to about mid 1800, New England was in the Little Ice Age. The frozen soil caused stones to be unearthed when the summer sun warmed the soil.

Glacial Deposits

Salem Witch Trials

In January of 1692, Reverend Samuel Parris' daughter and niece accused three women of being witches. Tituba, Parris' slave and one of the accused, confessed and the paranoia began.

Women from all over Suffolk, Essex, and Middlesex counties were accused of witchcraft and put on trial. By May of 1693, all of the accused were pardoned, but the damage was already done. Almost 200 women were accused of witchcraft, 19 people were hung, and a 7L-year old man was pressed to death by heavy stones.

Endicott's Escape Route

During the paranoia, women were scared for their lives. Women accused of witchcraft, if not executed, risked death in the prisons. Witch's Lane, which runs through the Endicott trails and campus, w once used to help some of the accused women escape from Salem

Fun Facts

- The paranoia originated in Salem Village now Danvers and Salem. and Salem Town,
- England had ended their 300-year prior to the Salem Witch Trials. witch hunt only 10 years

WOOLLY ADELGID & EASTERN HEMLOCKS



Within months of infestation, a Hemlock can start to discolor and lose its needles. Infested Hemlocks are vulnerable to disease and infestations from other species.

Hemlock Woolly Adelgid (HWA) lay eggs on the native Eastern Hemlocks. HWA aphids attach to Hemlocks, deplete the tree's nutrients, and eventually kill the tree in 2–4 years.

Damage to Hemlocks Hemlock Woolly Adelgid (HW

Life Cycle of HWA HWA are all females: the

HWA are all females; they reproduce asexually. As the eggs natch in the late spring, the larvae immediately attach to the nemlock needles and start to drain the nutrients. By March of the following year, each nymph can lay 50–175 eggs, thereby following year, each n sening the infestation

Fun Facts

There are no natural predators to HWA in this region. They are an invasive species.

The Tooth-necked Fungus Beetle has been introduced to combat the infestation.

NEW GROWTH, NEW LIFE



Sun-loving trees, like Aspen and Birches, grow. Shade toleran species (Maples, etc.) grow in the ...nderbrush.

The faster-grow-ing trees start to die and sturdier trees surpass and shade the un-loving trees. pecies such as)ak, Elm, and 'ine dominate of Endicott



Fun Facts A fire in the 1990s cleared part of Endicott's forest and started the forest succession all over again.

We now have small Birches and Aspens growing in the sun rich upper forest.





Shrubs and other small bushes star

Discover Nature

relaxing and educational hike. Endicott's Witch's Lane provides a , noizeseccus teerot becuec Laurentide Ice Sheet, to humanlarge rocks scraped up from the England's vast geology. From The trails offer a glimpse of New women's cross country teams. are home to Endicott's men's and offer a great place to explore, and Endicott's three miles of trails



Trail Guide





Endicott trails are a partnership between Physical Plant,

the Office of Sustainability, the Department of Athletics,

and the Department of Environmental Science.





ENDICOTT & SURROUNDING TRAILS MAP

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Want to learn more about sustainability at Endicott? Scan here!

