Mass Audubon



Mission

To protect the nature of Massachusetts for people and for wildlife.

Vision

A Massachusetts in which nature—whether found in a city park or deep inside the forests of western Massachusetts or within an urban greenway, or along the 1,500 miles of Massachusetts coastline—is valued as essential to quality of life in the Commonwealth, and people live with appreciation and respect for the complex ecological systems that sustain life on Earth, working together to ensure that they are protected.

The Origins of Mass Audubon:



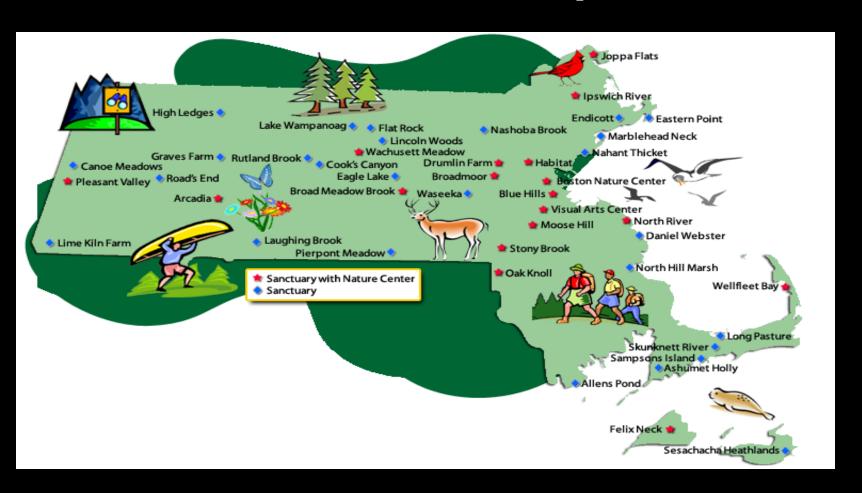
"She's wearing a dead bird on her head."



"The Feather Trade"



Mass Audubon's Sanctuary Network



Here's A Little History





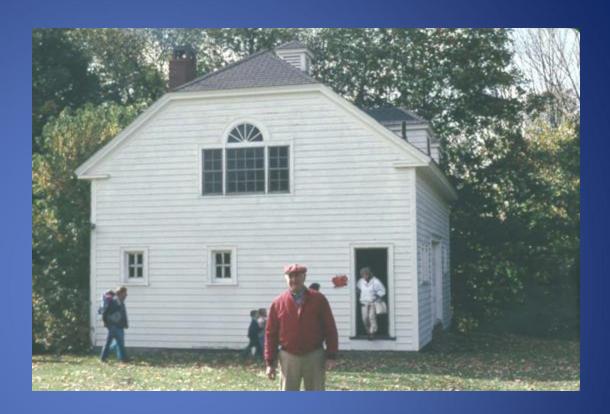




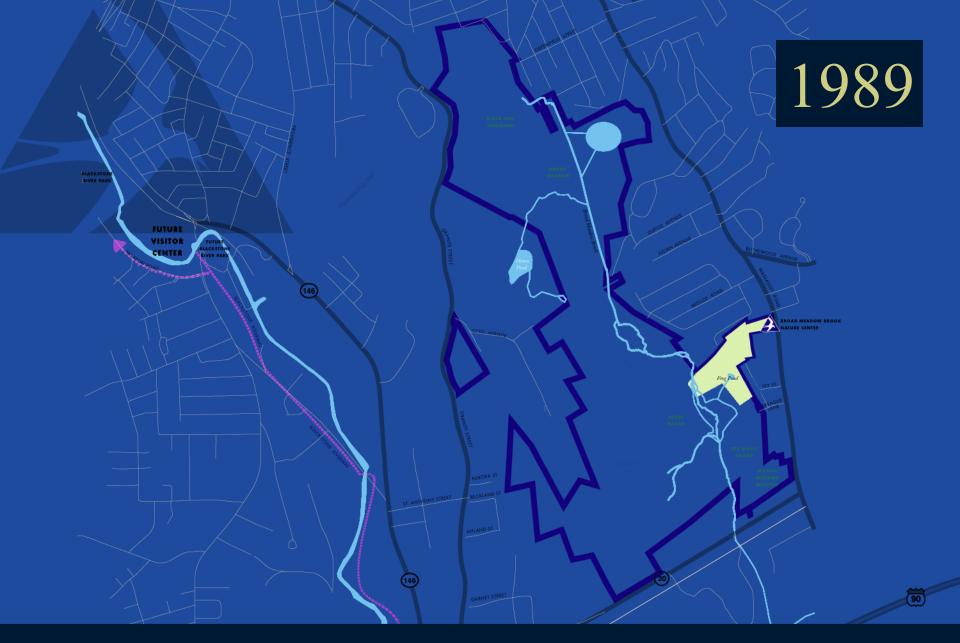
- Opened to the public in 1991
- · Largest urban sanctuary in New England
- 435 acres and miles of well-marked trails (some accessible)
- Nature Play Area

Your Sanctuary in the City

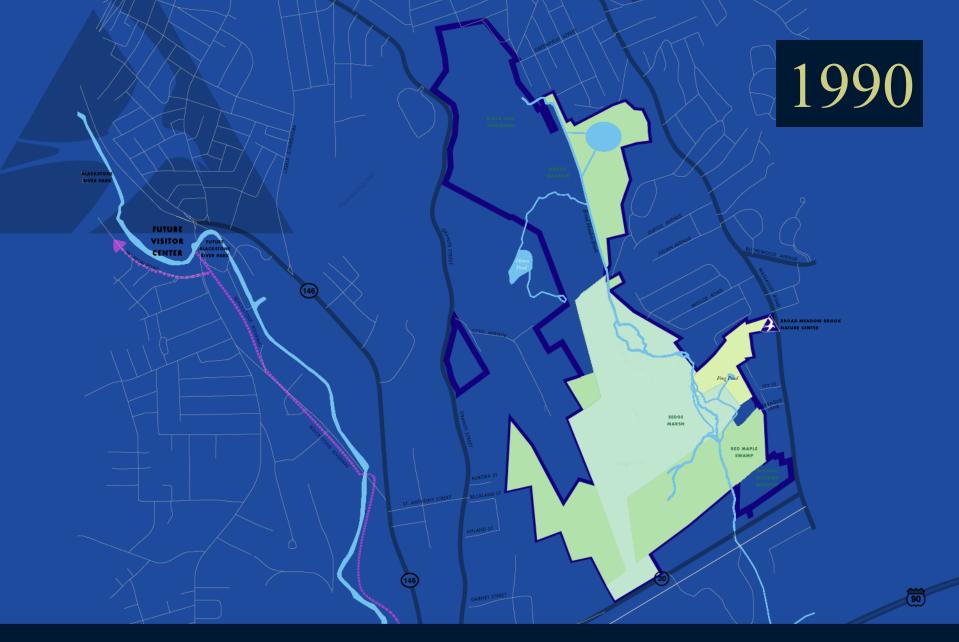




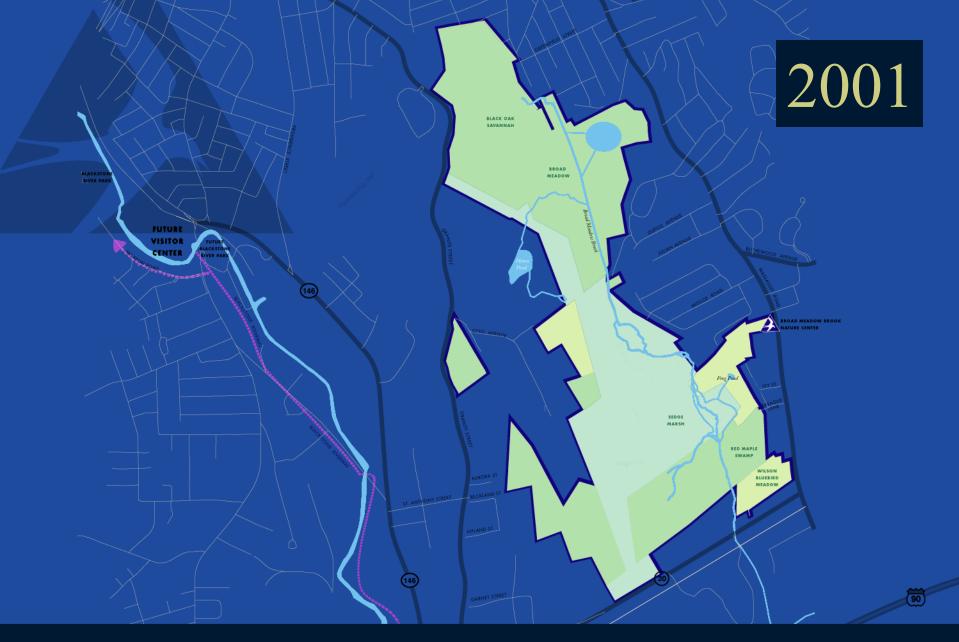
Broad Meadow Brook was established in 1990, made possible by a collaboration of public, private, and non profit interests



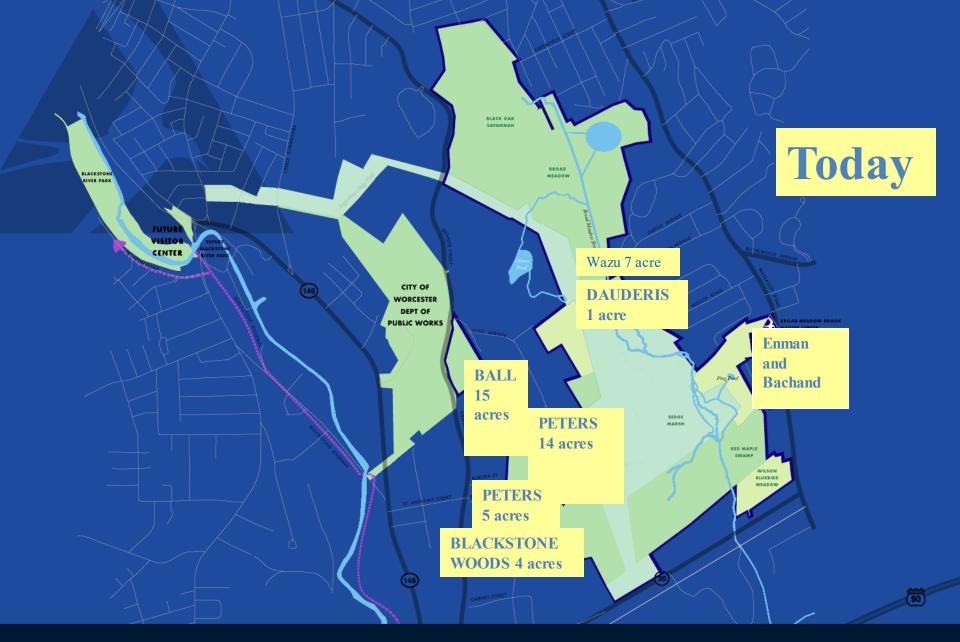
Broad Meadow Brook



Broad Meadow Brook

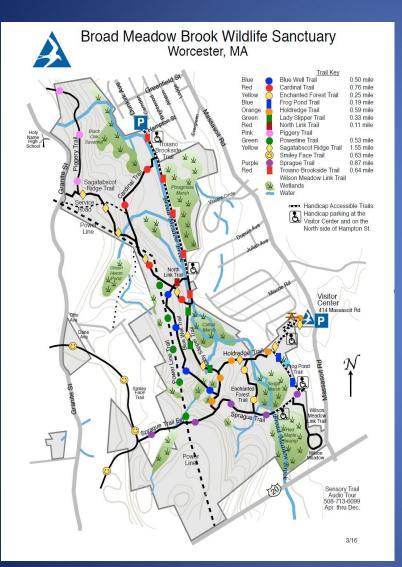


Broad Meadow Brook



Broad Meadow Brook









What We Do



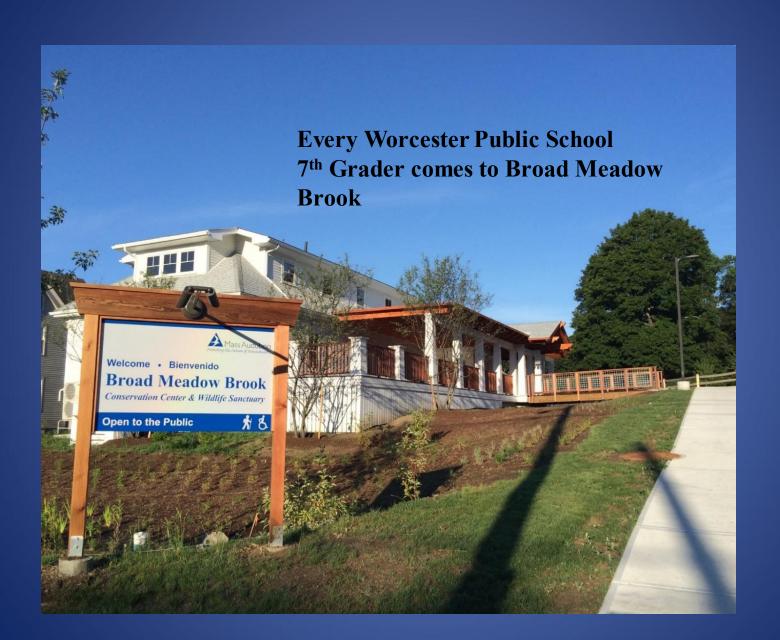
Education



Advocacy



Land/Habitat Protection





An example of one of many afterschool programs to explore and learn about the outdoors especially in and around the City of Worcester.



Mass Audubon
Protecting the Nature of Massachusetts



Worcester East Middle School

Scouting Programs



- Business organizations
- Youth organizations
- Conservation groups
- Cultural institutions
- Colleges and schools
- City departments
- State agencies



Collaboration

Conferences, Meetings and Special Events









SPECIAL EVENTS







Many volunteers help out at at Broad Meadow Brook

Pumpkin Carving Chank You South High School!







Broad Meadow Brook For Everyone



Increase Public Access



Engage and Educate Visitors



Connect to the Blackstone Riverway

Worcester to Providence



Preserve and Expand the Sanctuary













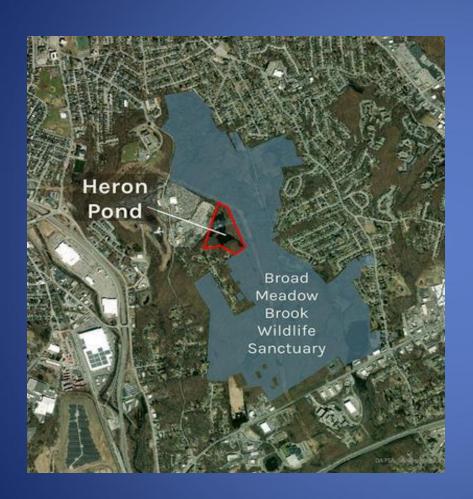


INTERPRETIVE SIGNS ON TROIANO BROOKSIDE TRAIL





Heron Pond Protection Project





Why This Matters

This is an incredible opportunity to protect a large, undeveloped parcel in an otherwise urban setting. Doing so will not only conserve important natural resources, but will also improve climate resilience in Worcester while increasing access to nature for the community.

OPPORTUNITY KNOCKS





A win-win swap AUDUBON MOVING HOUSE TO MAKE ROOM



A two-and-a-half-story house on the Broad Meadow Brook Conservation Center and Wildlife Sanctuary on Massasoit Road is being moved a couple of lots down from Broad Meadow Brook. (T&G Staff / TOM RETTIG)



The Great House Move!

Making room for more schools, camp, and parking! Come see! It worked!



















We were able to expand the entrance and exit with better sightlines



Have more outside play and group program

And increase areas for parking and for school bus and camp drop off!

space







GOING GREEN ISTORM WATER

Our Demonstration Rain Garden



This rain garden is designed to collect storm water from the roof and infiltrate it into the ground. Its native plants tolerate both wet and very dry conditions, and attract wildlife. A rain barrel also collects storm water that we use for irrigation.

Without them, storm water would flow onto the road, down the storm drain, and into Broad Meadow Brook, bringing with it pollutants and causing flooding.



Mass Audubon

Features

- # A shallow basin with gentle slopes
- #Moisture-tolerant plants with deep
- roots to trap sediment

 Attractive to butterflies and birds



Benefits

- & Reduces the volume of storm water and pollution.
- entering streams

 Creates a source of water for your yard between rainfalls
- Saves money on your water and sewer bills
 Keeps water in the ground, where it belongs
 Adds an accractive and interesting now landscape element
- a Provides opportunities for observing wildlife



Storm Water

This project is part of the Campaign for a Fishable/Swimmable Blackstone River by 2015













but despite progress to date on broader scale- we face significant challenges:

- Loss of biodiversity
- Inequitable access to nature
- Climate change







Time for a new Action Agenda... Jenn Madson, Regional Director



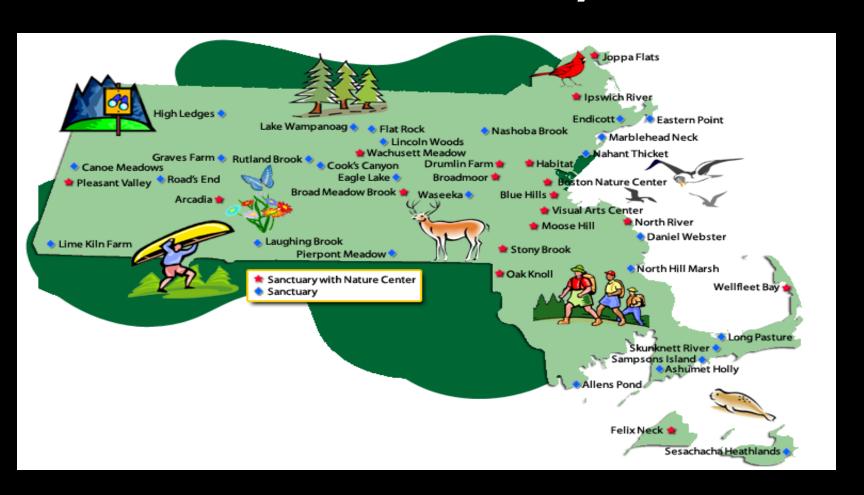
GO WILD Mass Audubon's Action Agenda

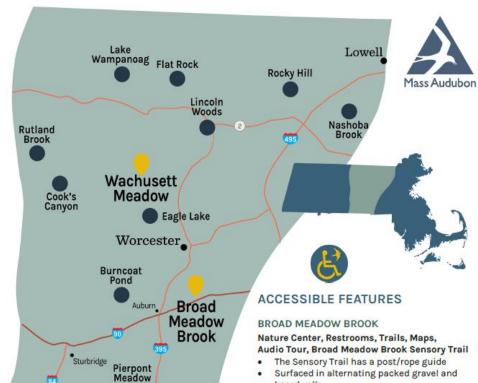
2021-2026



Protecting the nature of Massachusetts

Mass Audubon's Sanctuary Network





ABOUT MASS AUDUBON

With more than 135,000 members and supporters, Mass Audubon protects more than 38,000 acres of land throughout Massachusetts, saving birds and other wildlife, and making nature accessible to all. We welcome you to explore a nearby sanctuary, find inspiration, and get involved. Learn how at massaudubon.org.

• Webster

- First 1/4 mile zigzags along a gentle slope
- Optional stonedust extension leads beyond the post/rope guide to the brook
- Audio tour
- Braille signs and tactile maps

WACHUSETT MEADOW

Nature Center, Restrooms, Mary E. Nagle Pavilion

- South Meadow Trail Spur (to the big oak tree overlooking the Beaver Wetland)
- Trail to the Nagle Pavilion



Wildlife Sanctuaries of Central Massachusetts



Mass Audubon's Action Agenda 2021-2026



Goal 1: Protect and Steward Resilient Landscapes

Protect + Steward

- Protect 30% of Massachusetts by 2026 through a public/private coalition
- Increase the pace of Mass Audubon's land protection fourfold (10,000 new acres)
- Enhance the management of 200,000 acres of forestlands for wildlife and climate resilience, while meeting the economic needs of landowners
- Restore, protect, and manage 2,500 coastal acres

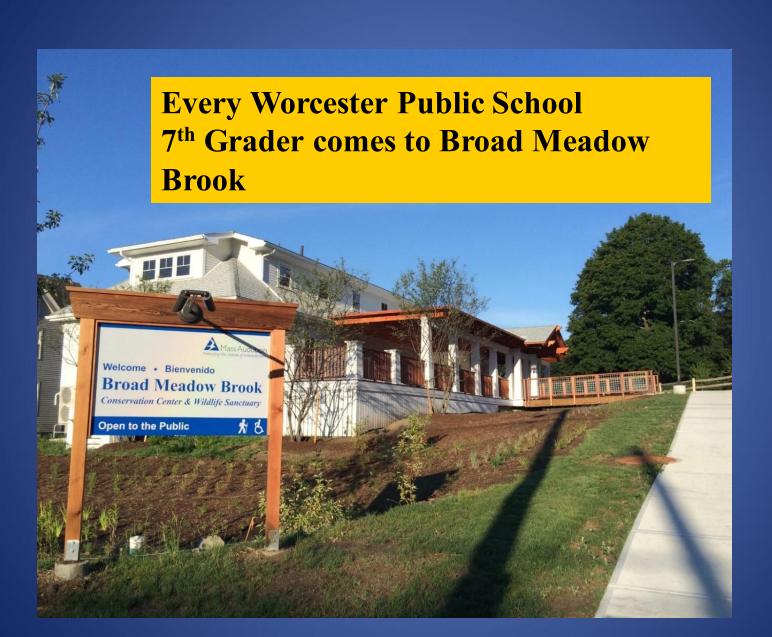


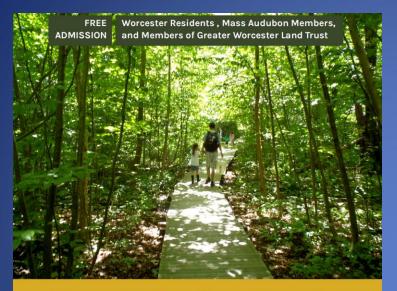
Goal 2: Advance Inclusive and Equitable Access to Nature

Listen + Engage

- 20 new urban green spaces and sanctuaries by 2026
- Increase participation of children from low-income families and communities of color in educational programs (35,000 to 90,000)
- Double the total number of children who benefit from our programs (150,000 to 300,000)
- Grow scholarship funding for these programs to \$2 million annually







Broad Meadow Brook

Conservation Center & Wildlife Sanctuary



The Place to Walk in Worcester!

Over 430 acres and five miles of marked trails to enjoy! Located on Massasoit Road off Grafton Street in the southwest part of Worcester, 3/4 mile north of Route 20. Conveniently accessible via WRTA Route 5.

\$4 Adults | \$3 Children (2-12) & Seniors (65+)

Broad Meadow Brook Conservation Center & Wildlife Sanctuary 414 Massasoit Road . Worcester, MA 01604 508.753.6087 • email bmbrook@massaudubon.org massaudubon.org/broadmeadowbrook



Broad Meadow Brook

What's there to do?

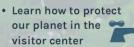
- · Listen to the sounds of nature
- · Enjoy walking 15 marked trails



- · Have a break in our picnic area
- Discover over 700 plant species



- · Explore our natural play area
- Explore a diversity of wildlife habitats







ADMISSION

\$4 Adults

\$3 Children (2-12) & Seniors (65+)

VISITOR CENTER HOURS

Monday: closed Tuesday-Sunday 12:00 to 4 pm

Trails open daily from dawn to dusk

414 Massasoit Road Worcester, MA 01604 508-753-6087 massaudubon.org

Broad Meadow Brook stop on WRTA Route 5.





FREE ADMISSION for Worcester Residents, Mass Audubon Members, and Members of Greater Worcester Land Trust



Goal 3: Mobilize to Fight Climate Change

Mobilize + Advocate

- Help the state achieve net zero carbon emissions goals for 2030 and 2050
- Engage our 135,000 members to advance climate policies and solutions
- Train more than 1,000 climate and conservation advocates

Jenn Madson introduces Martha Gach, Education Manager and Conservation Coordinator to talk about our Youth Climate Action Program, and to highlight a specific habitat enhancement project

Wetlands Restoration Project at BMB

- 2016 Worcester upgraded sewer system
- Goal: self-sustaining, dynamic wetland ecosystem that
 - functions naturally, cleans & stores water
 - accessible to neighbors, residents, and visitors
 - supports wildlife
- Partners: Mass Audubon, City of Worcester, Massachusetts Division of Ecological Restoration, Clark University





Mass Audubon

BMB Wetlands Restoration Objectives:

- •Restore the Broad Meadow Brook wetland complex: improve streamflow & native habitat value for wildlife, increase flood storage capacity & improve water quality
- •Improve climate resilience & reduce flooding issues for neighbors.
- •Improve water quality/quantity in upper Broad Meadow Brook. Alleviate development impairments.
- •Re-naturalize thousands of linear feet of stream channel, improving habitat, fish & wildlife connectivity, floodplain function, and 'dynamic' stream system.
- •Enhance the Sanctuary visitor experience with improved trails & wildlife viewing opportunities.
- •Inspire stewardship and future restoration projects through education & outreach activities.



Start of the Brook

Storm drains
2 square miles
Urbanized landscape







Midrea

- Public Trail
- Sanitary Sewer
- (separate) Stormwater System



Water leveler, aka 'beaver deceiver'







Southern Section

- Channel culverted
- 500 feet
- Secondary forest cover

 Current work: survey, hydrology & hydraulic modeling, community engagement



Stream after July 2021 hurricane

Back to Deb to talk about Worcester Green Plan initiatives

Worcester's Green Initiatives Mass Audubon supports:

Declaration of Climate Emergency adopted by Worcester City Council in Sept 2019- a step in the right direction but more to do- Doherty High – Net Zero plus, Solar Farm on Greenwood St Landfill, etc.

Green Worcester Plan- Adopted by City Council Spring 2021 now time to implement! Support the new **Dept. of Sustainability and Resiliency**

Important Goals:

*Worcester will be powered by 100% clean and affordable energy- by 2030 all municipal facilities, by 2035:100% renewable electricity citywide, by 2045:100% renewable energy that includes heating and transportation

*Maintain, improve, connect and expand quality natural systems in a linked network of parks, open spaces, and waterways, including street trees and public spaces

*Resident and visitors will have numerous sustainable transportation and mobility choices

*water and related infrastructure systems will be managed as one system to enhance sustainability and resilience

Community Preservation Act – provides matching funds from the state to cities and towns for historic preservation projects, affordable housing, and open space and park projectsgrowing support to get on the ballot for citizens to vote

Support Worcester's New Transportation Department-More than cars- bike lanes, walkable and safe streets for pedestrians, increased public transit services

Fare Free Bus Service with the Worcester Regional Transit Authority- WRTA Advisory Board just voted to extend FARE FREE through June 30 2023. ZERO FARE COALTION is active in Worcester with support from the Worcester Area Chamber of Commerce, the Worcester Municipal Research Bureau, Senator Chandler and many more- Let's Get everyone on the Bus!!!! Try Transit!!!

Worcester Tree Initiative with Tower Hill- *continued effort to influence and support expanded tree planting and stronger regulatory requirements for tree replacement associated with new development*

Support Urban Forestry Master Plan Completion and Implementation and active and forceful Worcester Tree Commission

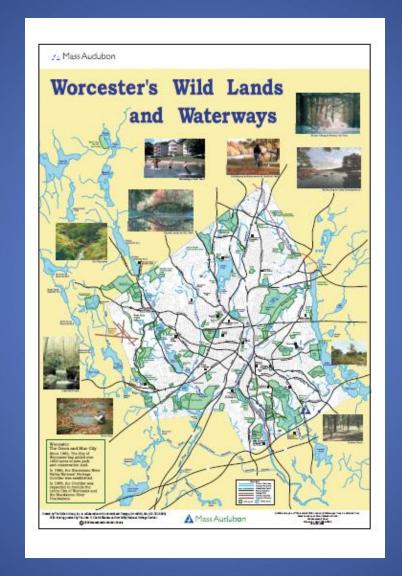
Re-Open and support the Blackstone (Visitor) Center near Rt !46 – soon to be under team management with the Dept. of Conservation and Recreation (DCR) and the City and the Blackstone Heritage Corridor Inc. ??? (Donna Williams, can you update us?)

Complete and Keep Updated City's Open Space and Recreation Plan in order to maintain eligibility for state and federal funding for park improvements, open space acquisitions and recreation projects. For Example:

*Coal Mine Brook Park Development- a new park now under construction on land between Plantation Street and North Lake Ave

*New idea: Extending the Blackstone Gateway Park and Boardwalk to include the Riley Stoker Property- a new project promoted by the Greater Worcester Land Trust





WORCESTER IS FULL OF PARKS, PONDS AND PLACES TO ENJOY!!!!

And it is thanks to local collaborations and partnerships with neighborhood groups and city officials, conservation groups, state support, Worcester is blessed with natural resources to celebrate and steward.

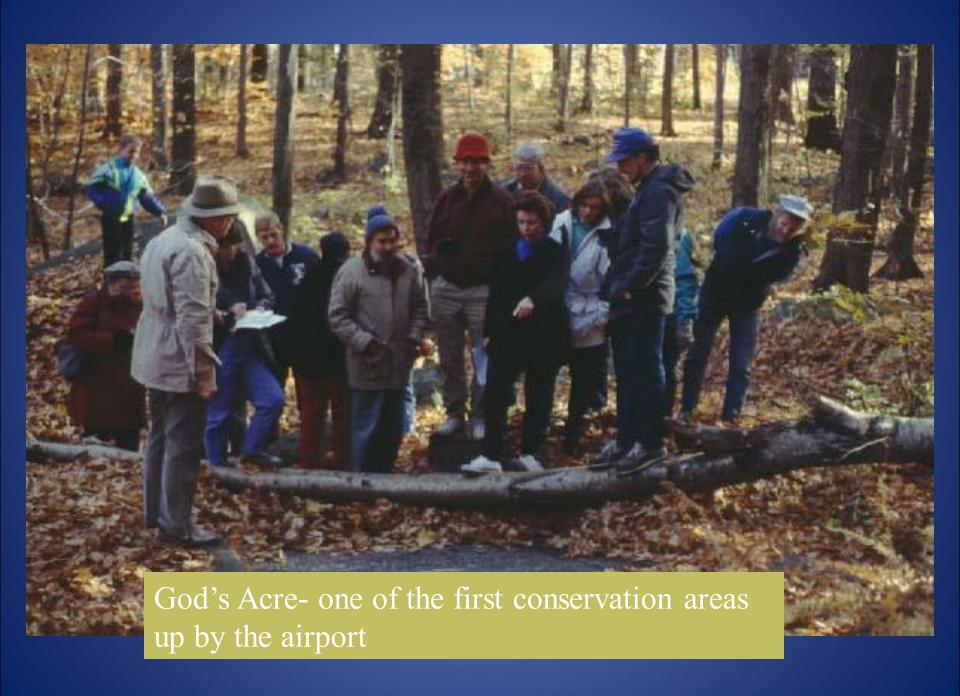




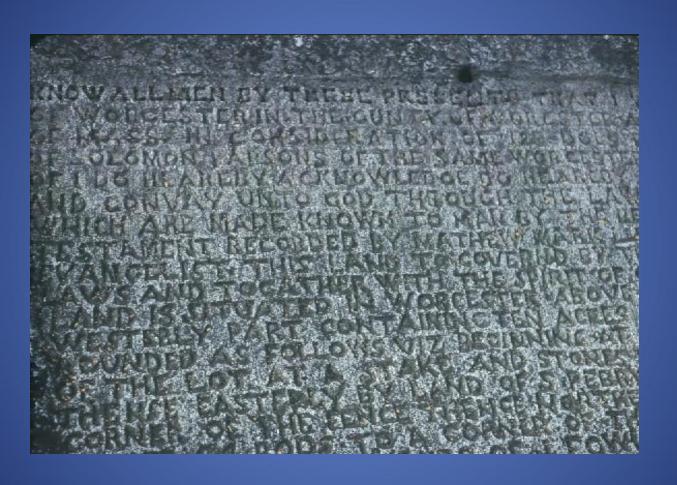


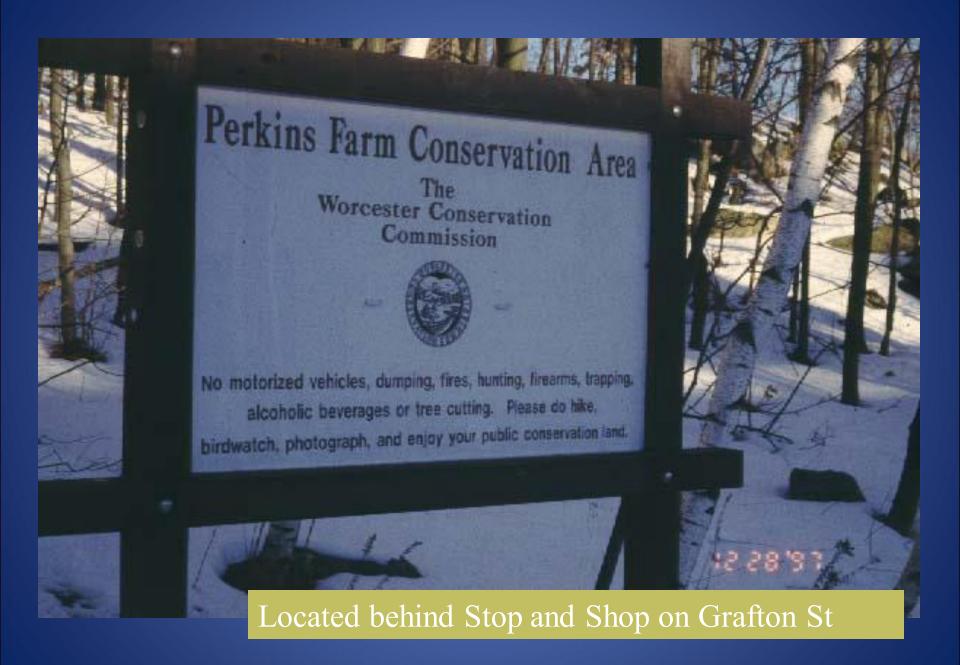


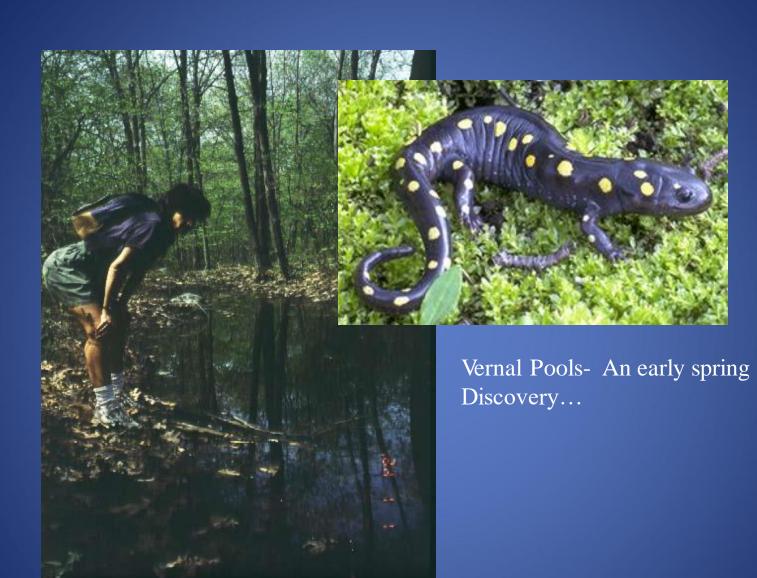
But we need to take better care of them! Fund the Park System!!!









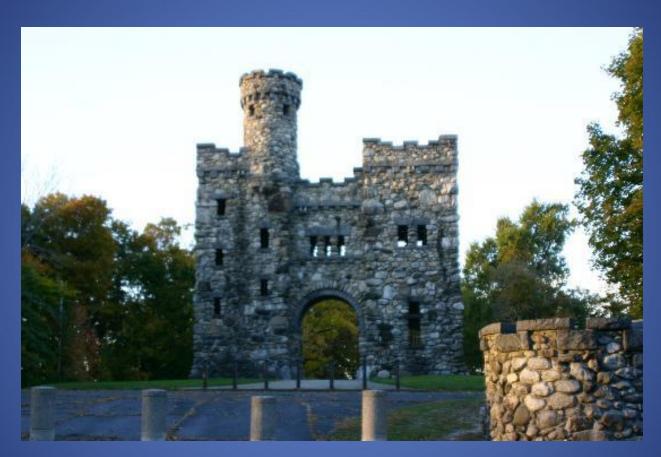






ELM PARK





Bancroft Tower at Salisbury Park













ay. The farm is open year round and is locate





LAKE QUINSIGAMOND



Regatta Point Community Boating



COES POND BEACH



NEW PLAYGROUND AT COES POND AND NEW HOME FOR HISTORIC STEARNS TAVERN- SOON TO OPEN AS

CAFÉ AND COMMUNITY CENTER







Opening of the New Blackstone River Heritage Corridor Visitor Center in Worcester

October 2018







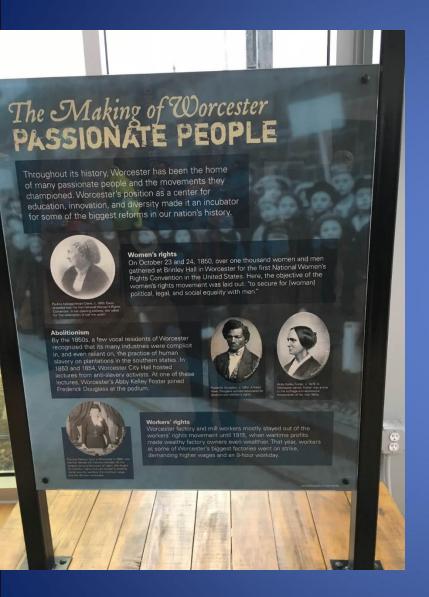
City of Worcester's New Blackstone River Gateway Park

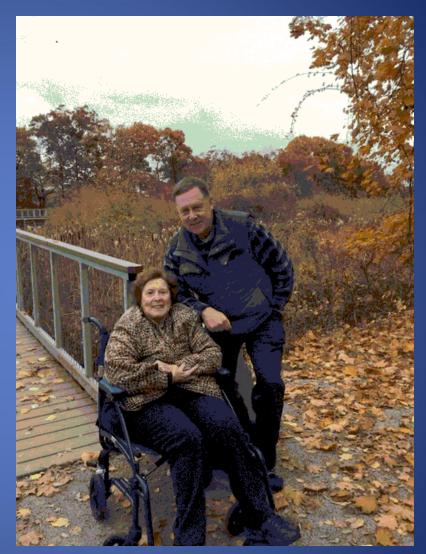
(located off McKeon Rd- entrances are across from Holy Cross
Playing Fields and at intersection of Blackstone River Rd and near new Blackstone River Heritage Corridor Visitor Center)











Evelyn Silver and Dennis Ducsik
Regional Environmental Council
(Celebrating 50th Anniversary this year)

Onwards and Upwards!





Thanks for all you involved with the Green City plan are doing for Worcester (and please come visit Broad Meadow Brook!!)