

Growing and Planting Trees with Kids

Nature Connection and Nature-Based Climate Action in Burlington

with Burlington Parks & Recreation and Burlington Wildways



BURLINGTON
**PARKS
RECREATION
WATERFRONT**
VERMONT







BURLINGTON
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VERMONT

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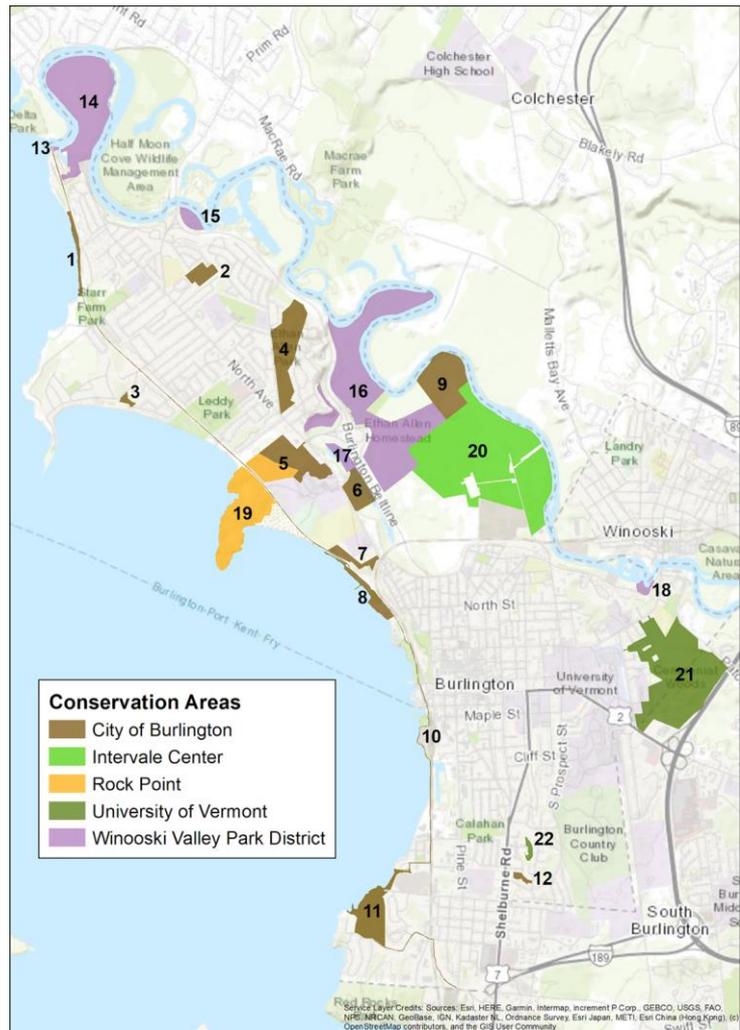


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NET ZERO ENERGY

BURLINGTON VERMONT



**BURLINGTON'S NET ZERO ENERGY GOAL IS
TO REDUCE AND EVENTUALLY ELIMINATE FOSSIL FUEL USAGE IN HEATING AND GROUND TRANSPORTATION.**



NATURE-BASED CLIMATE SOLUTIONS

An Addendum to the Burlington Open Space Protection Plan

February 2022



Burlington's NBCS Plan

Six Focus Areas

- Water and Wetlands
- Lawns, Fields, and Small Open Spaces
- Agriculture and Community Gardens
- Green Infrastructure
- Urban Forests and Tree Canopy
- Equity, Inclusion and Relationships



NATURE-BASED CLIMATE SOLUTIONS

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Mission

Nature-Based Climate Solutions (NBCS) Programming

Directly engage students in the creation and exploration of natural areas on their school campus and provide school communities with the agency to generate real climate action, while meeting the requirements of the BSD strategic plan and the City's NBCS Addendum.



Overview: NBCS Programming with BSD

- Active, continuous programming with:
 - **Champlain Elementary**
 - **CP Smith Elementary**
 - **JJ Flynn Elementary**
 - **Sustainability Academy**
 - **BHS City Lake Semester**
- Approximately 25,000 sq ft of newly established native pocket forest on school campuses
- Planted ~1500 new plants of 36 native species onto the City's landscape



Sustainability Academy

Plant Wildlife Corridors & Pocket Forests



Champlain Elementary

Unique Site Conditions, Flexible Programming



Unique Site Conditions, Flexible Programming



Comptonia

Antennaria

Fragaria

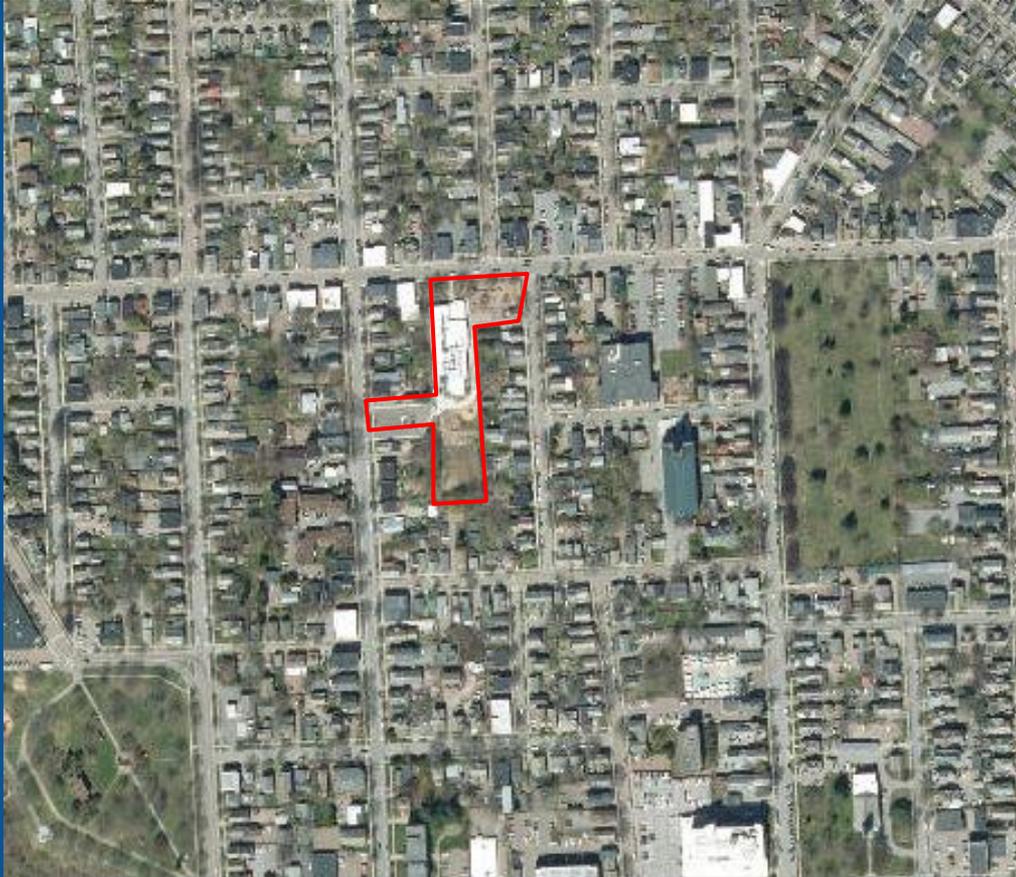
Carex

Danthonia

Achillea

Quercus

Unique Site Conditions, Flexible Programming



Sustainability
Academy

Plant Wildlife Corridors & Pocket Forests



JJ Flynn

Create & Manage Stick Nurseries



Champlain



Champlain



Sustainability Academy

Sow & Grow Native Seeds



Champlain



Planting Projects in City Natural Areas & Schools



Champlain Elementary + Burlington High School

Additional Programming



Pollinator & Insect Explorations
Phenology & Community Science
Wildlife Camera Review
Forest Stewardship
Invasive Species Removal
City Open Space Discussion
Bird Migration Game

Logistics

Campus Improvements:

- Identify Point Person - Administrator, Teacher, Committee
- Discuss & get approval from Property Services & Admin

Program Sign Ups:

- Google Docs



BURLINGTON
PARKS
RECREATION
WATERFRONT



BURLINGTON
WILDWAYS

JJ FLYNN ELEMENTARY SCHOOL

Sign up to work with BPRW's Nature-Based Climate Solutions Coordinator, Diane Hannigan, and Burlington Wildways Programs Coordinator, Braden DeForge!

- Meet next to the Pocket Forest at your assigned time.
- Pick how long you would like to work within the window of time you selected based on your grade level. Here are basic time suggestions for this activity:
 - PreK, K, and 1st: 20-30 minutes
 - 2nd & 3rd: 30-45 minutes
 - 4th & 5th: 30-45 minutes

TOPIC: Tree Planting in the Pocket Forest
Students will work together in teams to plant trees or shrubs in the Pocket Forest. We will introduce the concept of the Pocket Forest and discuss how trees provide habitat for various animals. We will review parts of a plant, tool safety, and learn how to properly plant a tree.

Grade levels: K - 2nd

Date	Time Window	Time Requested	Classroom Sign-up	Grade Level	# of students
EXAMPLE	9:00-10:00	9:05 - 9:35	Asaro	5th Grade	23
Friday 5/23	9:15 - 10:00	9:15-10:00	Bloomberg	2nd	13
	10:00 - 10:45	10:00-10:30	Brooks	1st	16
	11:00 - 11:45	11-11:45	Landry	4th	
	12:00 - 12:45				
Tuesday 5/27	9:00 - 9:45				
	10:00 - 10:45	10:00 - 10:45	Hodgson	1st	16
	10:50 - 11:30				

Challenges



Challenges

- Communication between institutions
- Funding



Lake Champlain
Basin Program



Vermont Urban & Community
Forestry Program



“This is just fun.”



Questions, thoughts, or ideas?



Zoe Richards, Burlington Wildways Director:
zoe@burlingtonwildways.org

Diane Hannigan, NBS Field Coordinator:
dhannigan@burlingtonvt.gov

