

A World of Difference: Green Infrastructure Resources for Your Town





Speakers



Anne Heasly Sustainable Jersey



Diane Schrauth New Jersey Future



Rosana Da Silva NY-NJ Harbor & Estuary Program



Jay Watson New Jersey Conservation Foundation



Overview of Sustainable Jersey

- Free sustainability certification program for New Jersey municipalities
 - Our vision: achieve a sustainable
 New Jersey, one community at a time

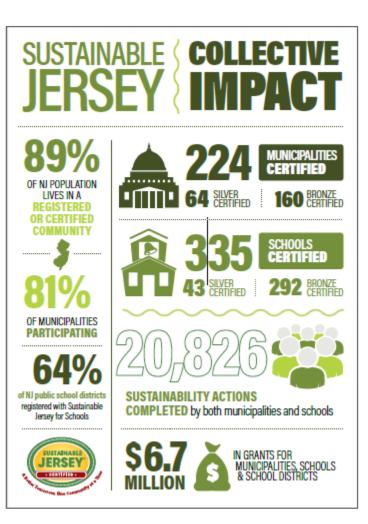


 Our mission: empower New Jersey communities to build a better world for future generations with the tools, training and financial incentives necessary to pursue critical sustainability initiatives

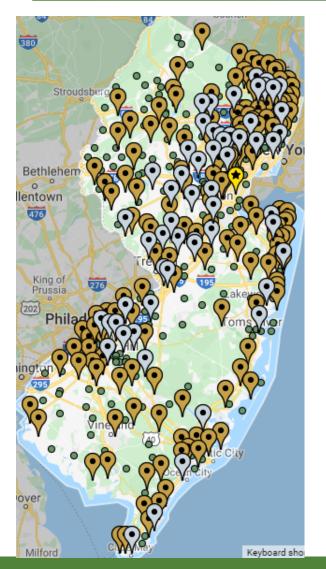


A Framework for Action

- Coordinates priorities, resources, and policy among public and private state and local actors
- Develops tools, resources, and guidance to make progress
- Provides access to grants and assistance
- Recognizes accomplishments



Program Participants



Municipal Program 463 Participating

- 81% of NJ municipalities
- 210 Certified
 - \circ 151 Bronze
 - \circ 59 Silver
 - 1 Energy Gold Star (Woodbridge)

Facebook: SustainableJersey | Twitter: @SJ_Program, @SJ_Schools | Insta: sustainable_jersey | LinkedIn: sustainable-jersey





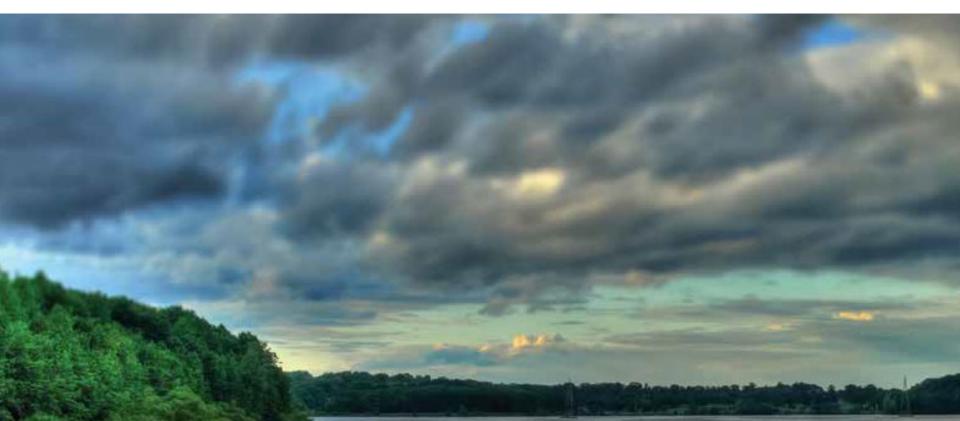


- Action purpose and points
- Why is it important?
- Who should be involved?
- How long will it take and what will it cost?
- What to do and how to do it?
- What to submit
- Spotlights
- Resources









New Jersey's water system provides an adequate and affordable supply of clean and safe drinking water for everyone, while also safeguarding water sources to ensure sufficient quality and supply to support healthy ecosystems and biodiversity.

f 😏 🞯 in 🖻	ABOUT	NEWS SUPP	ORT US CONTA	ICT US HOM	IE Q Revi	ew Sign Out	
SUSTAINABLE JERSEY - CLATIFIED	Certification	Actions	Grants	Events	Resources	Get Involved	
							_

Municipal Dashboard

> Action Development

Priority & Prerequisite Actions

2021 Certification Cycle

Gold Star Standards

Energy Gold

Health Gold

Water Gold

Program Updates

Search Participating Municipalities & Approved Actions

Resources

Gold Star Standards

All certified municipalities are eligible to earn Gold Star recognition for reaching high levels of achievement in key dimensions of sustainability. Gold Star Standards establish the specific actions and levels of performance that support what we need to achieve as individual communities and as a state, as defined in the 2015 <u>Sustainable State of the State Report</u>. The award of a Gold Star indicates that a municipality is making an effective, fair and timely contribution to the collective achievement of our sustainability goals.



Gold Stars are awarded for individual dimensions of sustainability. Currentl Gold Star Standards in <u>Energy</u>, <u>Health</u> and <u>Water</u>.

↑ ВАСК ТО ТОР	EXPAND ALL	COLLAPSE
Energy		
Health		
Water		

Gold Star Standard in Water

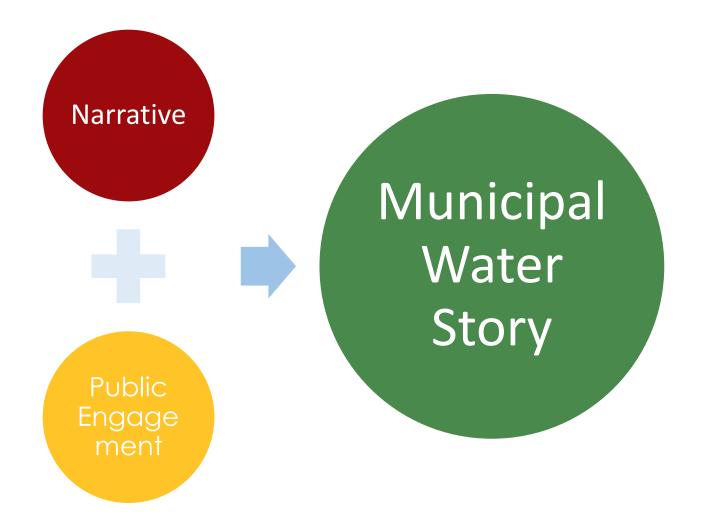
Completing specific actions will help a municipality earn the gold star in water!

Learn more about Water Gold here:

bit.ly/SJWaterGold



Municipal Water Story





Enhanced Stormwater Management Control Ordinance

Tier	Action	Points	
1	Low impact techniques	5	
2	Applicability; Retention and definition of Major Development	15	
3	2 additional enhancements	25	
4	4 additional enhancements	35	



Open Space Plan – Access to Water

TATATATATA

Open Space Plans



Why is it Important?

Who should lead and be involved with this action?

Timeframe

Project Costs and Resource Needs

What to do and how to do it ("How to")

What to submit to earn points for this action

Resubmission Requirements

Approved Action Expiration Date Updated April 2021

The goal of this action is municipa Recreation Plan and it's adoption local Master Plan. An Open Space as the Open Space Plan, OSP) sha Jersey Department of Environmen The Green Acres guidelines require municipal OSRP if a town wishes to Incentive Program for enhanced of establishes open space goals and of existing and potential open spo well as conservation objectives ar provides a framework and direction for preservation, improvement and

MINIMIALAIAIAIAIAIAIAIAIAIAIAIAI

In addition to addressing the 10 c

Visitors to Cooper's Poynt Waterfront Park take in the view of the Delaware Biver, the iconic Benjamin Franklin Bridge and the Philadelphia objine. eccuences are parameters and the Philadelphia objine.

Acres Program - Open Space and Recreation Fran Guidelines, the Oske needs to been completed or updated and adopted as part of the local Master Plan within the last 10 years.

Why is it Important?

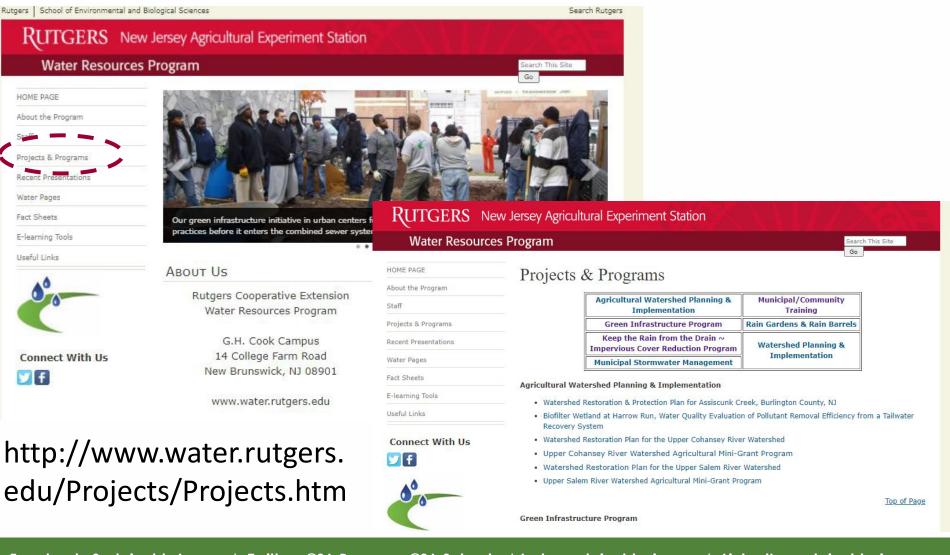


Drinking Water Actions

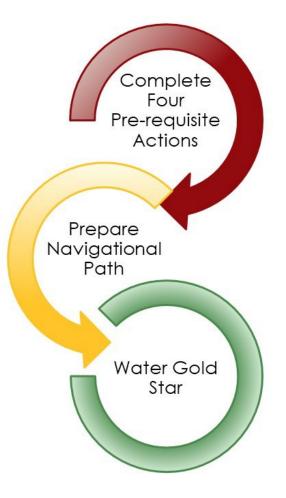
	↑ ВАСК ТО ТОР	EXPAND ALL	COLLAPSE ALL	~
	Health & Wellness			^
	Anti-Idling Education & Enforcement Pro	<u>gram</u>		
	10 Points			
	Building Healthier Communities			
	5 Points			
	THIS ACTION HAS VARIABLE POINTS: 6, 10, 16, 20, 26 COMPETITI	VE FUNDING AVAILAE	ILE	
	Health in All Policies Professional Develo	opment		
	10 Points			
-	Private Well Outreach and Testing			
	10 Points			
	THIS ACTION HAS VARIABLE POINTS: 10, 16, 20, 26			
	<u>Removing Lead in Drinking Water</u>			
	10 Points			/
	• US ACTION HAS VARIABLE POINTS: 10, 30, 40		-	
	Safe Routes to School			
	10 Points			



Green Infrastructure Planning and Implementation Actions







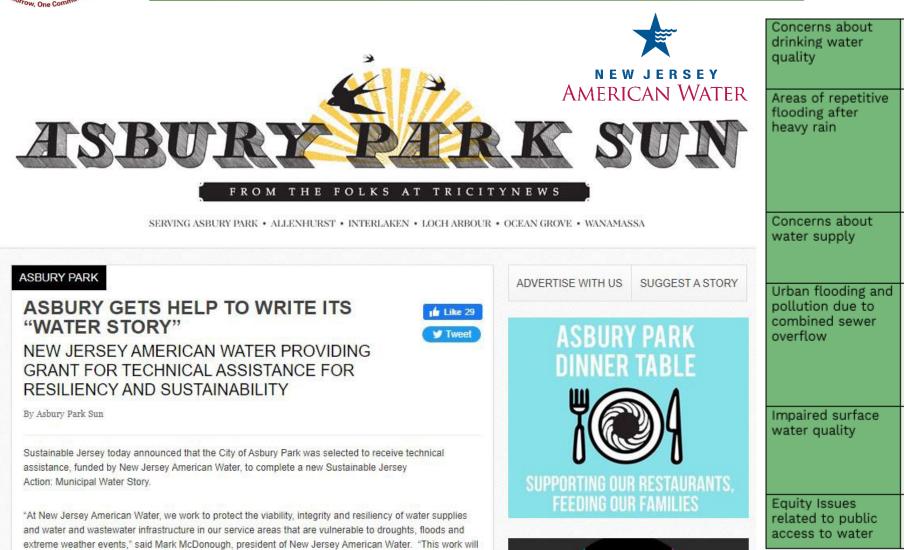
Complete Four Pre-requisite Actions: Two required Actions: Water Story and Environmental Resource Inventory as well as selection of a "high impact" and an additional action.

Prepare Navigational Path: as part of the Water Story action, in which municipality identifies water issues and corresponding actions to advance improvements in water in the years ahead.

Water Gold Star Certification: Apply on the Gold Star portion of the website – four completed actions; navigational path and reviewed during standard municipal certification cycle, if approved gold star awarded for 3 years.

Municipal Water Story







Free Technical Assistance for Energy Projects: Apply for an EDF Fellow

Fellows help municipalities and school districts track and analyze energy usage and apply for New Jersey's Clean Energy Program and utility incentives!



Join us for "Drop-in" Sessions!

- March 15th @ 8AM
- March 16th @ 6PM
- March 24th @ 3PM
- March 25th @ 11:30AM

Register or apply at: **bit.ly/SJEDFClimateCorps**

Questions?

Contact Brandon Rothrock at <u>rothrocb@tcnj.edu</u>





- Provides funding and technical assistance opportunities for sustainability initiatives ٠
- 2k green team grants and project grants of 10k and larger ۲
- Since 2009, over \$6.5 million distributed to fund over 1,000 projects ٠

Annual Funding Cycles

CYCLE	PROJECT	SCHOOL	CYCLE	APPS	FUNDING
SPONSOR	TYPE	OR MUNI	ANNOUNCED	DUE	AWARDED
GARDINIER ENVIRONMENTAL FUND	Energy	Both	Late Aug	Late Oct	Mid-Jan
	General	School	Late Aug	Late Oct	Mid-Feb
PSEG	General	School	Mid-Oct	Mid-Mar	Early Jun
Foundation		Muni	Mid-Nov	Mid-Feb	Early May





An Exelon Company

Sustainable Communities Grant Program





Anne Heasly Sustainable Jersey heaslya@tcnj.edu

Jersey Water Works Green Infrastructure Resources for Municipalities

Rosana Da Silva March 2022



Smart infrastructure. Strong communities.

JERSEYWATERWORKS

A collaborative effort of many diverse organizations and individuals who embrace the common purpose of transforming New Jersey's water infrastructure.





COMMITTEE GOAL:

Communities employ green infrastructure in a way that maximizes community benefits including reduced flooding and improved water quality, local economies, community health and long-term resiliency.

JWW COMMITTEE INITIATIVES AND WORK INCLUDE:







Infrastructure Solutions Policy recommendations, white papers, fact sheets, and reports.

Water Communications Customizable resources for communicating the value of upgrading our water infrastructure, including funding stormwater management.

Community Engagement The work Jersey Water Works and our members are doing to promote equitable water infrastructure solutions.

Hoboken, 2017, Source: S

Open Space, Flood Protection, and Pollutant Trapping: Unlocking the Potential of the Green Acres and Blue Acres Programs to Support Green Infrastructure

Jersey Water Works Green Infrastructure Committee March 2022

CHAMBORD PLACE

WATER Smart infrastructure. Strong communities.

infrastructure/

 <u>https://www.jerseywaterworks.org/resources/unlocking-the-potential-</u> of-the-green-acres-and-blue-acres-programs-to-support-green-

Green Streets Resources

New Jersey Green Streets







Planning for Green Streets September 2021

New Jersey Green Streets





Funding Green Streets September 2021

<u>https://www.jerseywaterworks.org/resources/planning-green-streets/</u>

- https://www.jerseywaterworks.org/resources/funding-green-streets/
- <u>https://www.jerseywaterworks.org/resources/new-jersey-green-streets-case-studies/</u>





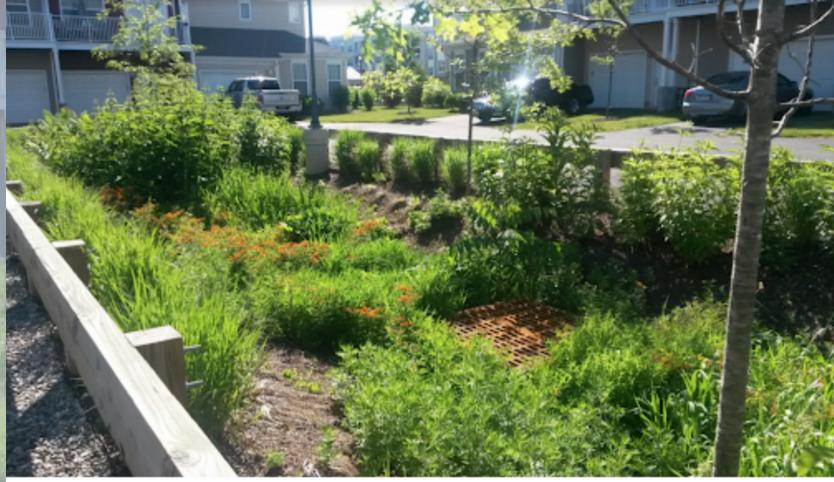




FREE WALL INCOMEND AND LOD THE

Case Studies August 2020





Stormwater utilities support the development of green infrastructure to manage stormwater, like this bioretention system in Somerset, NJ. Source: Maser Consulting, 2020.2018.

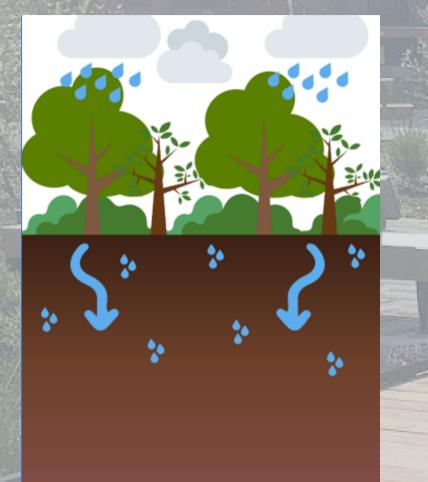
Stormwater Utilities can Incentivize Green Infrastructure

Issued by the Jersey Water Works Green Infrastructure Committee **Date: October 2021**



 <u>https://www.jerseywaterworks.org/resources/stormwater-utilities-</u> <u>can-incentivize-green-infrastructure/</u>

Fact Sheets to Champion Green Infrastructure





Green Infrastructure Champions Spotlight: Introduction to Green Infrastructure

Green Infrastructure Champions Spotlight: Environmental Commission Green Teams

RUTGERS

Green Infrastructure Champions Spotlight: Transportation

RUTGERS

LINKS TO BE PUBLISHED



Green Infrastructure Champions Spotlight: Schools



Green Infrastructure Champions Program

RUTGERS New Jersey Agricultural Experiment Station

Water Resources Program

HOME PAGE

About the Program

Staff

Projects & Programs

Recent Presentations

Water Pages

Fact Sheets

E-learning Tools

Useful Links



Projects & Programs - Municipal/Community Training

All classes for the 2022 training program will be offered via an online format.

- Registration is required.
- Register HERE starting December 1: https://forms.gle/25KooAZUsdSZefux7
- The fee will be \$10/class.
- Attendance at a minimum of five (5) classes is needed for certification.

	2019 Training Program	
Introduction	2020 Training Program	2022
	2021 Training Program	
	2019 Green Infrastructure Champions	
Resources	2020 Green Infrastructure Champions	
	2021 Green Infrastructure Champions	

Green Infrastructure Champions Program

This program is partially funded by the Rutgers New Jersey Agricultural Experiment Station, The Geraldine R. Dodge Foundation, NJ Sea Grant Consortium, and William Penn Foundation and is a collaboration of the Rutgers Cooperative Extension Water Resources Program and the Green Infrastructure Subcommittee of Jersey Water Works.





http://water.rutgers.edu/Projects/GreenInfrastructureChampions/GIC.html

and states

COLUMN TWO IS

Search This Site

Training Program

Contacts



Get Involved!

Join Jersey Water Works as a member, visit
 <u>https://www.jerseywaterworks.org/get-involved/</u>

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 Check out the GI Committee's work plans here: <u>https://www.jerseywaterworks.org/committees/green-</u> <u>infrastructure-committee/work-plans/</u>







JERSEY WATER WORKS MEMBER BENEFITS



Join one or more committees to actively help advance the work of Jersey Water Works across the state.



Gain access to the Members communications portal for discussion, updates, news, and resources.



Receive a bi-weekly email with the latest updates, funding opportunities, news, and resources.



Be featured in the bi-monthly Jersey Water Works blog, website, and monthly enewsletter.

Hanzyouk

Rosana Da Silva rosana@hudsonriver.org

JERSEY WATER OOOWWORKS

Smart infrastructure. Strong communities.





Take Action With These Stormwater Resources

Stormwater: Tools to Help Municipalities Weather the Storm

March 22, 2022



Agenda

- Background
- Green Infrastructure Municipal Toolkit
- Stormwater Utility Resource Center
- Questions

Agenda

Background

- Green Infrastructure Municipal Toolkit
- Stormwater Utility Resource Center
- Questions

NEW JERSEY FUTURE



Agenda

Background

Green Infrastructure Municipal Toolkit

- Stormwater Utility Resource Center
- Questions



NEW JERSEY GREEN INFRASTRUCTURE MUNICIPAL TOOLKIT



INTRODUCING YOUR ONLINE, ONE-STOP GREEN INFRASTRUCTURE RESOURCE

GITOOLKIT.NJFUTURE.ORG





Check out our Green Infrastructure Toolkit!

About Stay Informed



Home - NJ Stormwater Rules - Plan - Implement - Sustain - Resources

FROM STORMWATER TO CLEAN WATER Prevent pollution. Reduce flooding. Improve your community.

Stormwater runoff causes flooding and flushes contaminants into waterways. This contributes to 90 percent of New Jersey's rivers, streams and lakes being polluted. As a municipal leader, **you have the power to improve your community's response to water challenges and use green infrastructure to mitigate flooding and reduce water pollution.**

GETTING STARTED →

Benefits of Green Infrastructure



Economic

- Reduced construction costs and longterm cost savings for public and private development by reducing the quantity of pavement, curbs and qutters
- Less damage and lower cost impacts from localized flooding
- Higher property values through improved community aesthetics

Read More



Environmental

- Keeps polluted water out of creeks, lakes, and rivers; improves water quality by filtering pollutants
- Increases groundwater and aquifer recharge
- Improves air quality through reduction in greenhouse gases

Read More



Community/Public Health

- Meets the public's growing demand for sustainable communities
- Cooler air: reduced urban heat island effect through evaporation and tree canopy cover
- Dedicated open space provides opportunities for passive and active recreation

Read More

What Can You Do?

Plan

Whether your town is starting from scratch or looking to move to the next level with green infrastructure, smart planning is a must. Chart your course with guidance and tools found here.

Learn More >

Implement

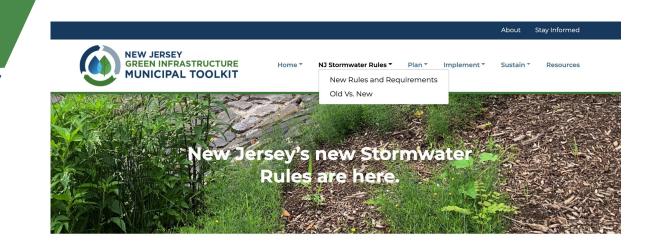
Green infrastructure isn't rocket science, but proper design, construction and maintenance – all essential to long-term success – requires a different approach. This section of the toolkit provides the tools needed and practical applications of implementing green infrastructure within your municipality.

Learn More >

Sustain

Like all infrastructure, green infrastructure requires monitoring and maintenance in order to function properly over the long term. This section of the toolkit will provide operations, maintenance, and monitoring guidance, as well as ways to alert and engage your community about the benefits of green infrastructure.

Learn More >



Green Infrastructure is now a requirement. What do municipalities need to know about NJ's amended stormwater rules?

Enhanced Model Stormwater Ordinance

- Redefine the threshold for "major development."
- Add a definition and requirements for "minor development."
 - Require stormwater management on redevelopment projects, not just new development.
- Require infiltration of a specific volume of stormwater onsite.
- Reduce "maximum contributory drainage areas."

Enhanced Model Stormwater Ordinance

Funding

There are many programs and opportunities listed below, ranging from \$10,000 to \$5 million, that can help fund green infrastructure projects. Sorting by project type, funding type or eligible activities will narrow your search and make it easier to see and digest what's available.



Eligible Applicant and Activities

Eligible applicants include: Local & state governments, higher education institutions, public or private organization acting in

https://www.epa.gov/urbanwaters/urban-waters-small-grants

Funding

There are many programs and opportunities listed below, ranging from \$10,000 to \$5 million, that can help fund green infrastructure projects. Sorting by project type, funding type or eligible activities will narrow your search and make it easier to see and digest what's available.



Funding

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Project Type/Phase: All Types -	Funding Type: All Types 👻		Eligible Activities: All Activities -
			All Activities Bicycle and Pedestrian Projects Capacity Building
United States Environmental Protection Agency Urban Waters Small Grants		Capital Needs Coastal resiliency Community Priorities	
Funding Amount: Up to \$60,000.		Conservation Construction	
Eligible Applicant and Activities Eligible applicants include: Local & s education institutions, public or priv	state governments, higher hi	/ebsite: .tps://www.epa.g	Education pv/urbanwaters/urban-waters-small-grants



Trenton, NJ 08608 njfuture@njfuture.org (609) 393-0008

New Jersey Future 16 W. Lafayette St.

Contact Us

NEW JERSEY GREEN INFRASTRUCTURE

MUNICIPAL TOOLKIT

Follow Us



Stay Informed.

Implement *

Plan *

About

Sustain *

Stay Informed

Resources

* Full Name

NJ Stormwater Rules *

Let us know how to reach you with new information and updates. All feedback welcome!

Full Name

Title

Home *

Title

Affiliation

Affiliation Name

* Email Address

Email Address

Phone Number

Phone Number

Ideas or Feedback

Your Message Here...

Agenda

- Background
- Green Infrastructure Municipal Toolkit

Stormwater Utility Resource Center

Questions



Home



Why Stormwater Matters ~ Why a Stormwater Utility? ~ Establish a Stormwater Utility ~ Stay Informed Resources About



Why Stormwater Matters Learn More >

Why a Stormwater Utility?

Establish a Stormwater Utility

Learn More >

Learn More >



What is a Stormwater Utility?

Similar to a water or sewer utility, a stormwater utility is a local assessment district that dedicates funding specifically and solely to address stormwater management problems.

What is the purpose of the resource center?



To provide municipal and county officials and utilities with the tools to help them determine if a stormwater utility is right for their community.

What is the purpose of the resource center?



To provide municipal and county officials and utilities with the tools to help them determine if a stormwater utility is right for their community.



To educate the public on stormwater utility basics.

What is the purpose of the resource center?



To provide municipal and county officials and utilities with the tools to help them determine if a stormwater utility is right for their community.



To educate the public on stormwater utility basics.



To provide an ongoing repository for the latest information on stormwater utilities.

Stormwater Utility Advisory Council

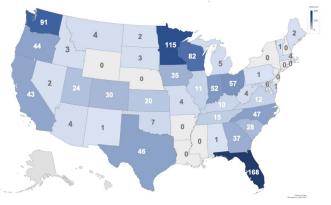
- Municipal Engineers
- Financial and Engineering Consultants
- Regional Authority Executive
- County Planner
- Borough Administrator
- Attorney
- Environmental Advocates
- NJDEP



Clean Stormwater & Flood Reduction Act

- New Jersey's law allows, but does not require, local governments to establish stormwater utilities.
- If established, stormwater utilities must collect fees based on the amount of stormwater a property generates.
- Utilities can be established by municipalities, counties, groups of municipalities, and sewerage and improvement authorities.
- Funds generated from the fees are dedicated solely to stormwater management and cannot be used for any other purposes.

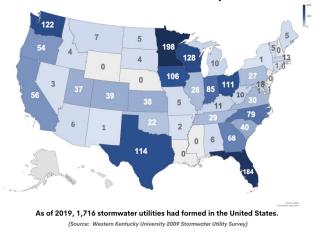




Number of Stormwater Utilities by State 2009

As of 2009, 1,022 stormwater utilities had formed in the United States. (Source: Western Kentucky University 2009 Stormwater Utility Survey)

Number of Stormwater Utilities by State 2019







About Why Stormwater Matters

Home

r Matters 🗸 Why a Stormwater Utility? 🗸

Establish a Stormwater Utility

iter Utility 🕤 Stay Informed

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Stormwater Resources for Your Community

Overviews

- New Jersey Future Stormwater Utilities at a Glance
- New Jersey Future Stormwater Utilities Fact Sheet
- New Jersey Future Stormwater Utilities Steps For Local Implementation
- ♦ 2018 Stormwater Utility Survey, Black & Veatch Management Consulting, LLC
- New Jersey Department of Environmental Protection (NJDEP) Stormwater Utilities Guidance
- Western Kentucky University 2019 Stormwater Utilities Survey

Resources

- Overviews
- Legal
- Financial
- Public Outreach
- Case Studies
- Mapping/Impervious Cover
- Climate/Flooding
- Water Environment
 Federation (WEF) Tables





For more information, visit www.njfuture.org/events/njprc22/

THANK YOU!

Diane Schrauth Policy Director dschrauth@njfuture.org 609-393-0008

New Jersey Future 16 W. Lafayette St. Trenton, NJ 08608 www.njfuture.org



Green Infrastructure Resources for your Town March 22, 2022

Jay Watson, Co-Executive Director New Jersey Conservation Foundation



https://www.njmap2.com/blueprint/ NJ Conservation Blueprint



MAF

Protecting New Jersey's Land and Legacy.

In New Jersey, the most densely populated state in the U.S., it is critically important to protect our healthy soils for growing food and the natural lands that safeguard our drinking water, clean our air, sustain wildlife and provide places for people to enjoy the outdoors.

NJ Conservation Blueprint is a data-driven, interactive mapping tool made possible through a partnership of The Nature Conservancy, Rowan University, and the New Jersey Conservation Foundation, together with a collective of 21 conservation-focused groups, both governmental and non-profits.



OPEN A MAP





POWER USER

WATER QUALITY COMMUNITY OPEN SPACE



AGRICUTURE

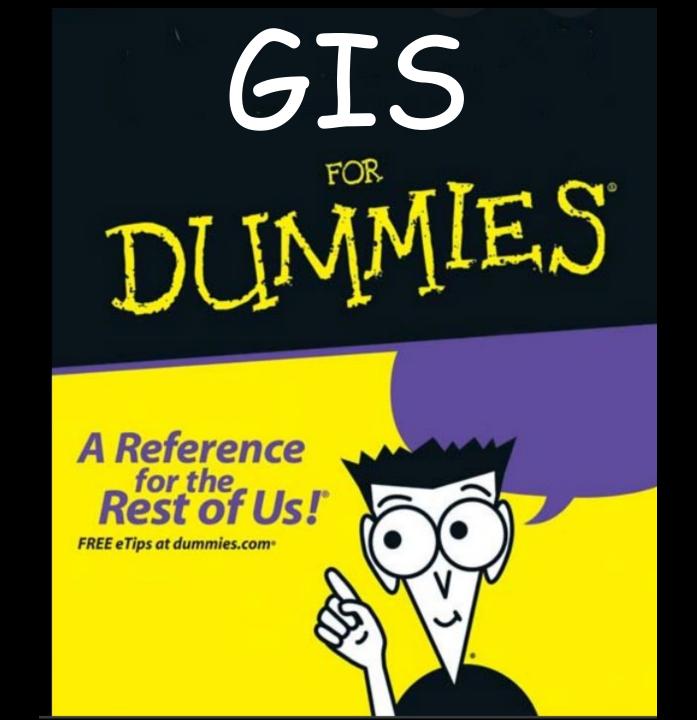


CAMDEN CONSERVATION BLUEPRINT



ECOLOGICAL INTEGRITY















New Jersey Conservation



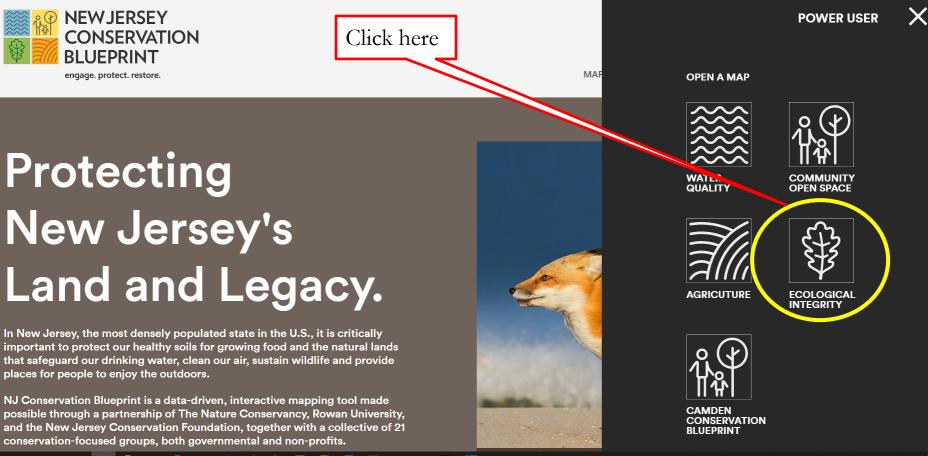
Garden State Preservation Trust



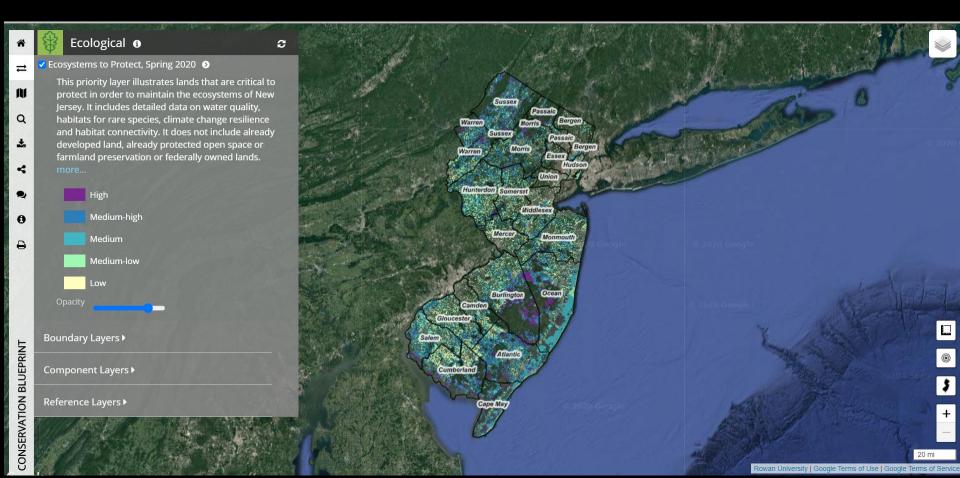




NJ Blueprint MAP Options-Ecological Integrity



Statewide "Ecosystems to Protect" The Landing Page



Ecological **o**

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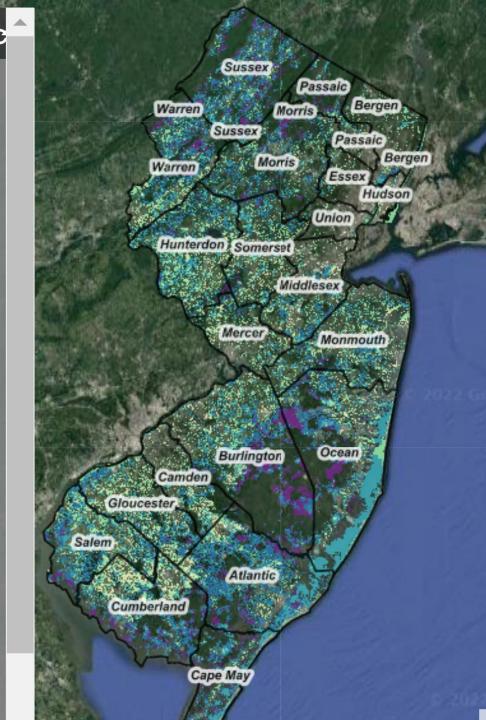
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DNSERVATION BLUEPRINT

Ecosystems to Protect, Spring 2020 This priority layer illustrates lands that are critical to protect in order to maintain the ecosystems of New Jersey. It includes detailed data on water quality, habitats for rare species, climate change resilience and habitat connectivity. It does not include already developed land, already protected open space or farmland preservation or federally owned lands. more...

High
Medium-high
Medium
Medium-low
Low
Opacity



The Sourlands...

Ecological

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CONSERVATION BLUEPRINT

🗹 Ecosystems to Protect, Spring 2020 📀

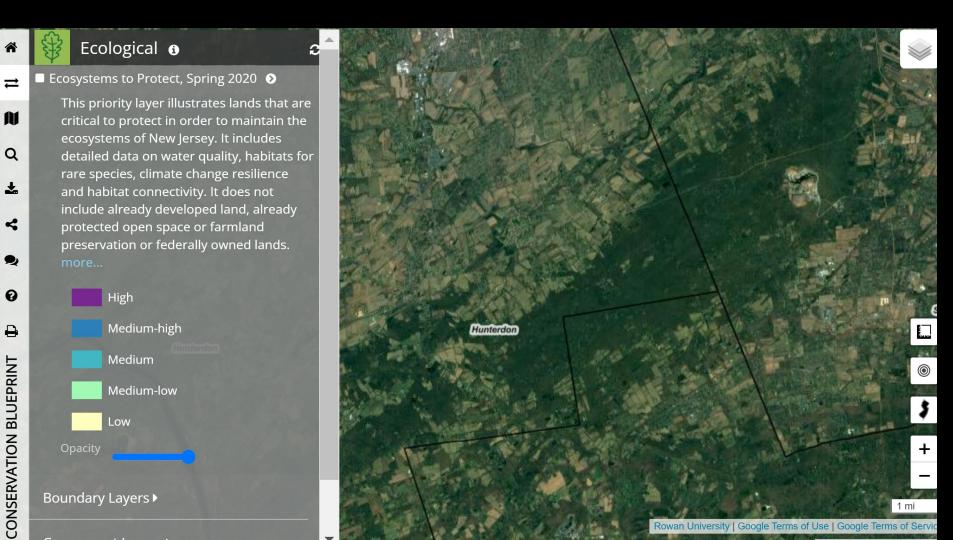
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Zoomed in to Sourlands Project Area



Base maps – Google satellite, infrared,

topo, historic...

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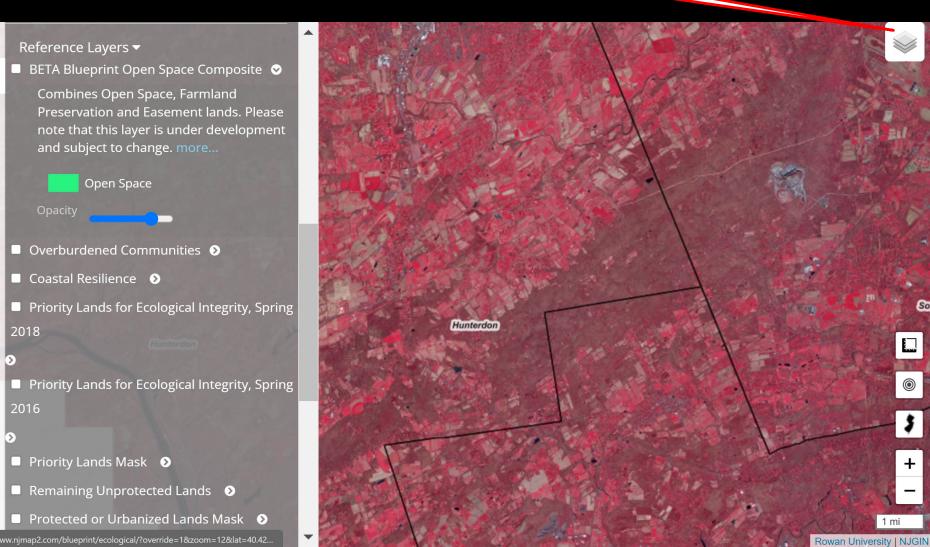
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ONSERVATION BLUEPRINT

Click here



Click here

Information layers

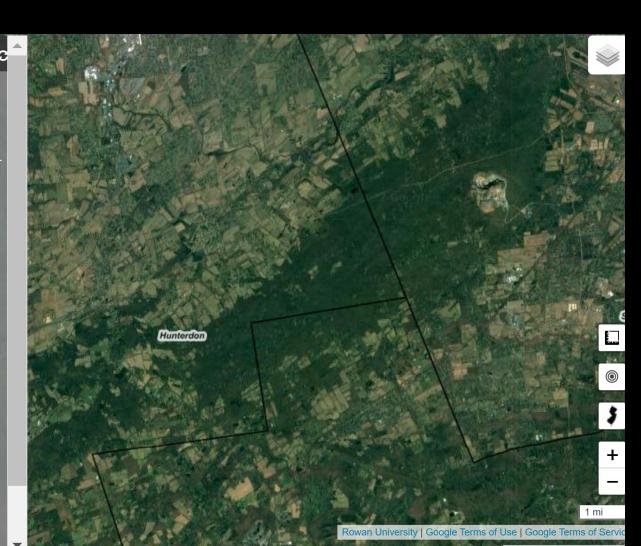
Ecological 🚯

Ecosystems to Protect, Spring 2020

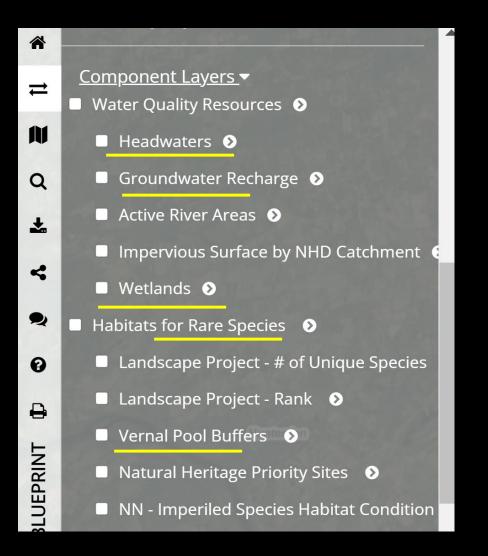
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Boundary Layers ►



Component layers



₽	⊘
AI	Climate Change Resilience S
	Resilience S
Q	Marsh Migration Space S
*	Concentrated Flow Areas
<	Habitat Connectivity
2	CHANJ Stepping Stones
~	CHANJ Corridors
0	CHANJ Cores 📀
₽	Forest Core Area Index
Ł	■ Forest Core ●
EPRII	Habitat Connectivity (Cores & Connectors
BLUI	3
NO	Ecosystems to Protect – All Lands, Spring
RVATION BLUEPRINT	2020
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Reference Layers

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Reference Layers</u>
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RVATION BLUEPRINT

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- BETA Blueprint Open Space Composite
- Overburdened Communities S
- 🗖 Coastal Resilience 📀
- Priority Lands for Ecological Integrity, Spring 2018
- Priority Lands for Ecological Integrity, Spring2016
- Priority Lands Mask
 Remaining Unprotected Lands
 Protected or Urbanized Lands Mask
 DRWI Clusters & Focus Areas
 Pinelands Management Areas
 - Preserved Farmland 📀

- 9 Highlands Planning and Preservation Areas Bobcat Alley 0 \odot Sourland Region Boundary \odot ₽ Barnegat Bay WMA CONSERVATION BLUEPRINT Cape May Peninsula WMA 📀 ■ Watersheds NJ Hydrography O C1 Streams Landscape Project Version 3.3 \odot 🗕 Vermeule's Forest Map 🛛 🔊
- .

Click here

Information layers

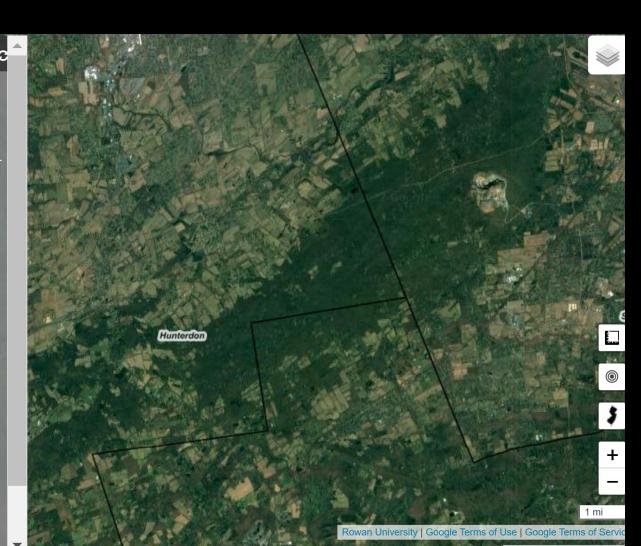
Ecological 🚯

Ecosystems to Protect, Spring 2020

This priority layer illustrates lands that are critical to protect in order to maintain the ecosystems of New Jersey. It includes detailed data on water quality, habitats for rare species, climate change resilience and habitat connectivity. It does not include already developed land, already protected open space or farmland preservation or federally owned lands. more...



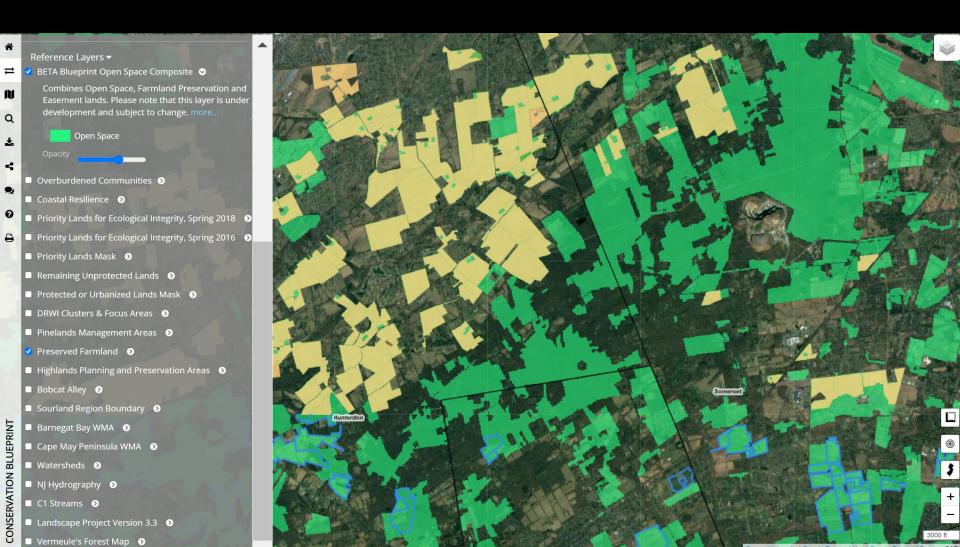
Boundary Layers ►



Preserved Open Space



Preserved Open Space & Farmland



Adding in C1 streams, wetlands vernal pool buffers

- Natural Heritage Priority Sites
- NN Imperiled Species Habitat Condition
- Climate Change Resilience 📀
- Resilience >>
- Marsh Migration Space
- Concentrated Flow Areas
- Habitat Connectivity 📎
- CHANJ Stepping Stones •
- CHANJ Corridors
- CHANJ Cores
- Forest Core Area Index
- Forest Core
- Habitat Connectivity (Cores & Connectors)
- Ecosystems to Protect All Lands, Spring 2020

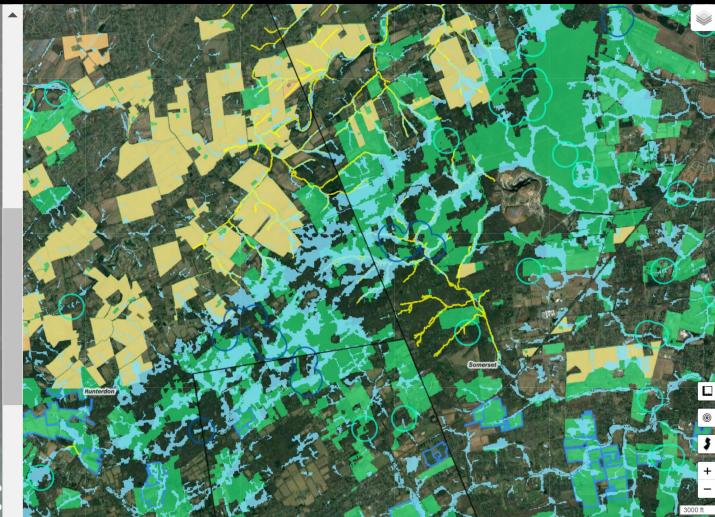
Reference Layers -

🕯 BETA Blueprint Open Space Composite 😒

Combines Open Space, Farmland Preservation and Easement lands. Please note that this layer is under development and subject to change. more...

Open Space

- Overburdened Communities •
- Coastal Resilience
- Priority Lands for Ecological Integrity, Spring 2018
- Priority Lands for Ecological Integrity, Spring 2016



Same area Infrared Base Map

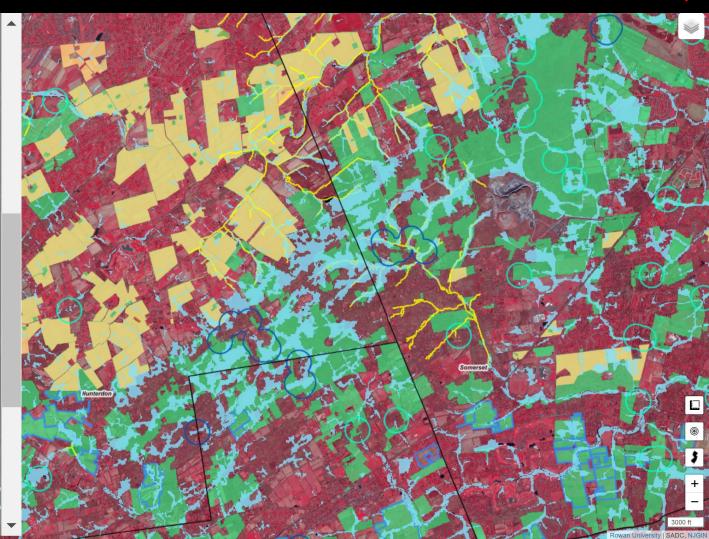
- ~ Vernal Pool Buffers Natural Heritage Priority Sites ₽ NN - Imperiled Species Habitat Condition • A Climate Change Resilience • Q Resilience 🔊 * Marsh Migration Space Concentrated Flow Areas • < Habitat Connectivity 📀 CHANJ Stepping Stones 0 CHANJ Corridors 0 CHANJ Cores
 - Forest Core Area Index
 - Forest Core
 - Habitat Connectivity (Cores & Connectors)
 - Ecosystems to Protect All Lands, Spring 2020

Reference Layers -

BETA Blueprint Open Space Composite 📀

Combines Open Space, Farmland Preservation and Easement lands. Please note that this layer is under development and subject to change. more.





Habitats for Rare Species Overlay



Climate Change Resilience Sourlands!

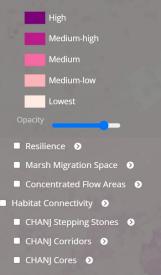
CONSERVATION BLUEPRINT

■ Wetlands ●

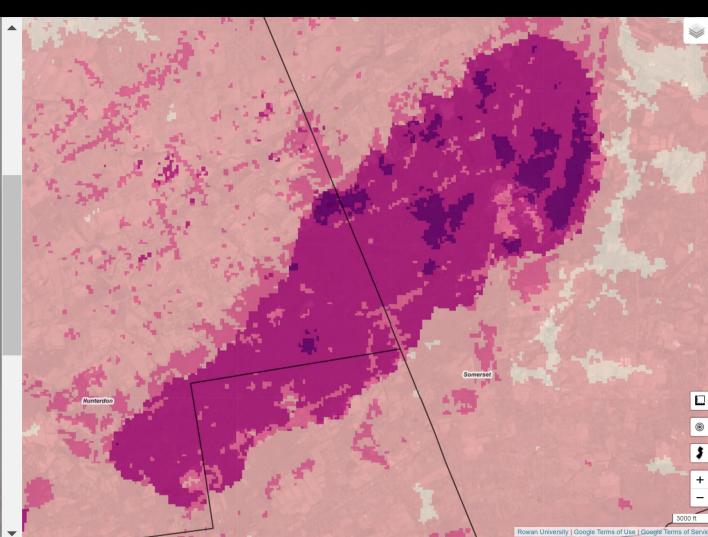
Impervious Surface by NHD Catchment

- Habitats for Rare Species •
- Landscape Project # of Unique Species
- 📃 Landscape Project Rank 🛛 🔊
- Vernal Pool Buffers
- Natural Heritage Priority Sites
- NN Imperiled Species Habitat Condition •
- 🖌 Climate Change Resilience 🛛 😔

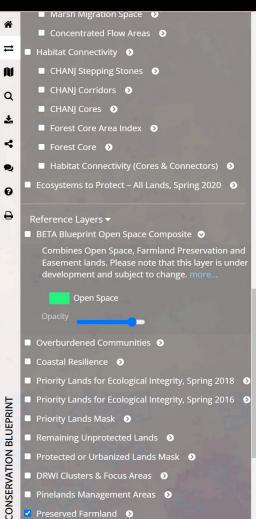
Lands that provide flexibility for animal and plant communities to adapt and move in response to a changing climate. Coastal sites where marshes have the ability to move inland in response to sea level rise are also favored within this ranking.

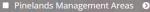




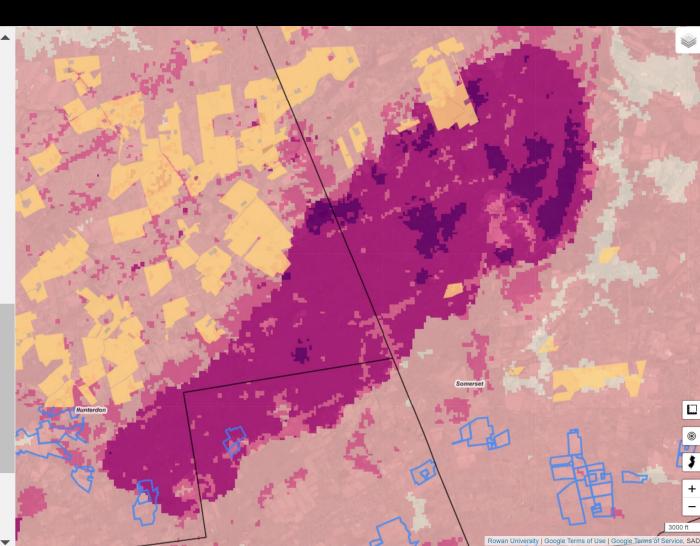


Climate Change Resilience Sourlands! Preserved Farmland





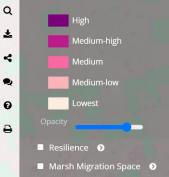
Preserved Farmland N



Climate Change Resilience Sourlands! Preserved Open Space



Lands that provide flexibility for animal and plant changing climate. Coastal sites where marshes have the ability to move inland in response to sea level rise are also favored within this ranking.



- Concentrated Flow Areas
- Habitat Connectivity
 - CHANJ Stepping Stones
 - CHANI Corridors
 - CHANI Cores
 - Forest Core Area Index
 - Forest Core
 - Habitat Connectivity (Cores & Connectors)
- Ecosystems to Protect All Lands, Spring 2020

Reference Layers -

🛛 BETA Blueprint Open Space Composite 😔

Combines Open Space, Farmland Preservation and Easement lands. Please note that this layer is under



BLUEPRINT CONSERVATION

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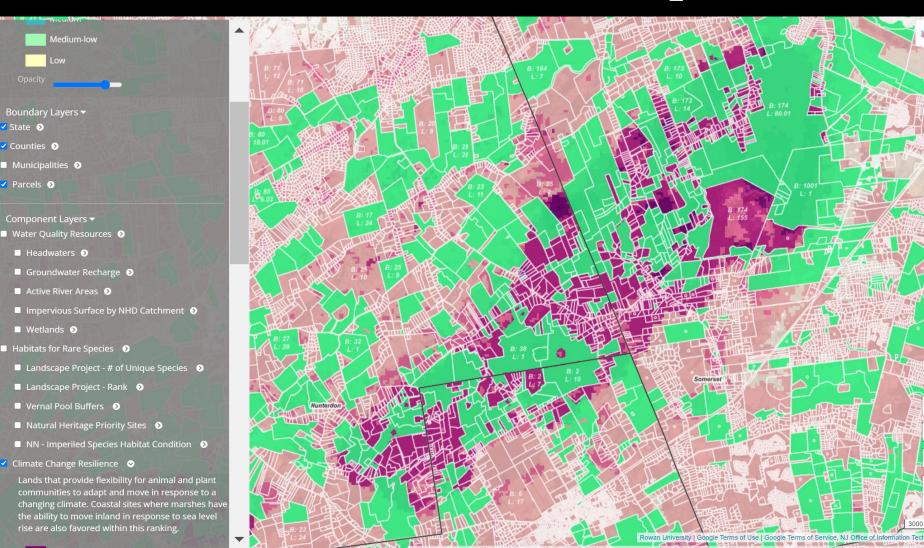
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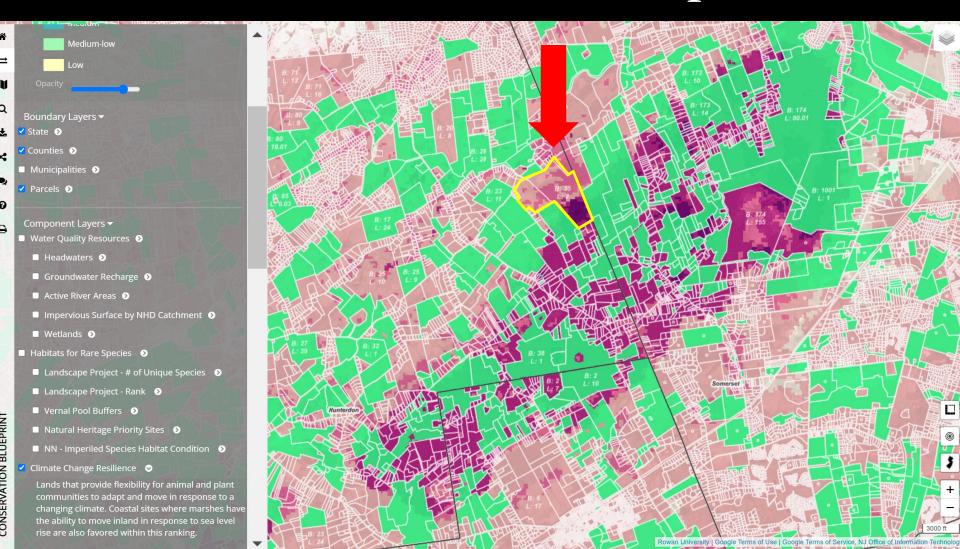
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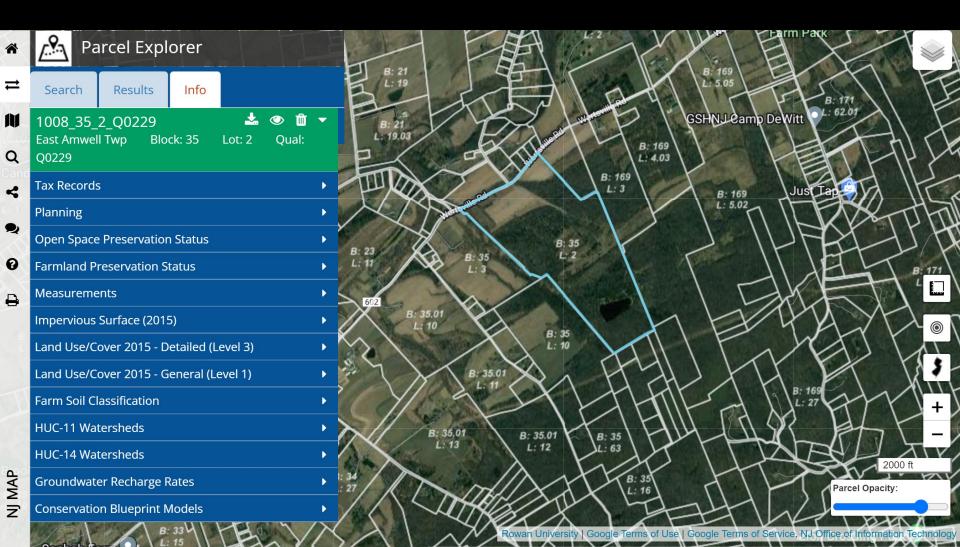
Climate Change Resilience Sourlands! Parcel Maps!



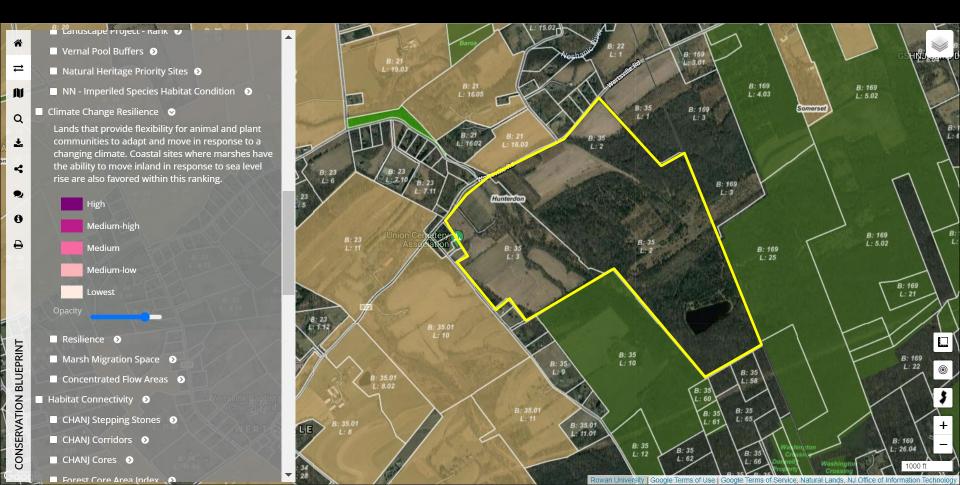
Climate Change Resilience Sourlands! Parcel Maps!



Parcel Maps!



Higgins / Wertsville Zoomed







Camden Conservation / Action Module



Protecting **New Jersey's** Land and Legacy.

In New Jersey, the most densely populated state in the U.S., it is critically important to protect our healthy soils for growing food and the natural lands that safeguard our drinking water, clean our air, sustain wildlife and provide places for people to enjoy the outdoors.

NJ Conservation Blueprint is a data-driven, interactive mapping tool made possible through a partnership of The Nature Conservancy, Rowan University, and the New Jersey Conservation Foundation, together with a collective of 21 conservation-focused groups, both governmental and non-profits.



MAF



WATER QUALITY COMMUNITY OPEN SPACE



OPEN A MAP



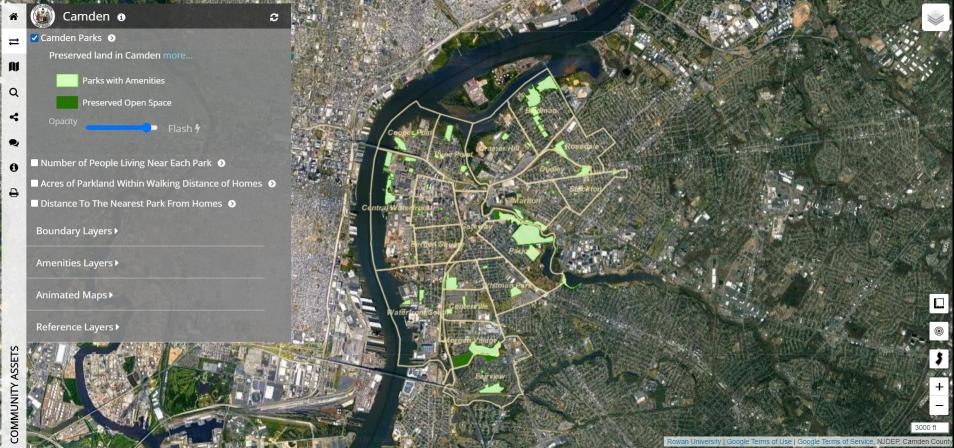
AGRICUTURE



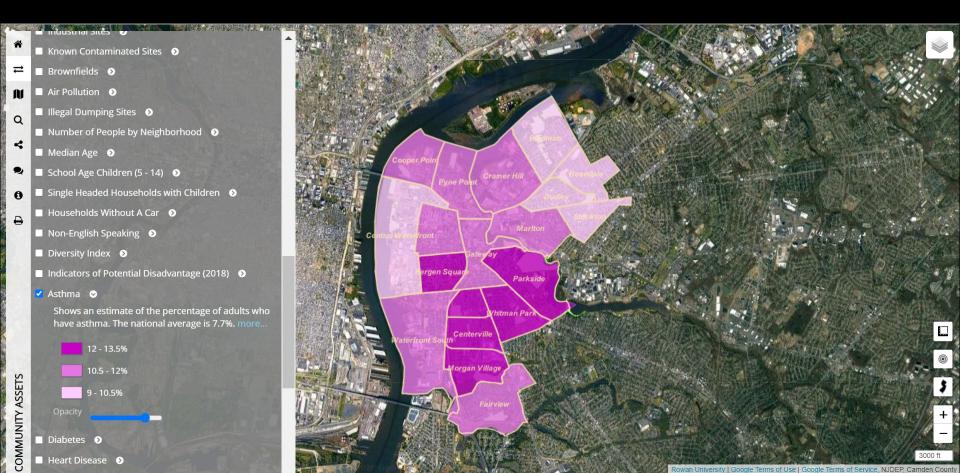




Camden Landing Page



Camden Asthma



Camden Air Pollution



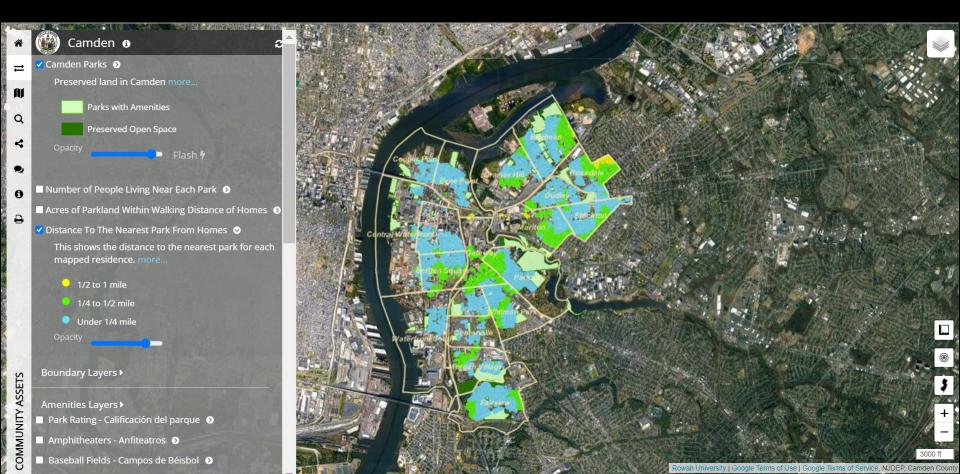
Camden Physical Health



Camden Physical Inactivity



Distance from Nearest Park – From Homes



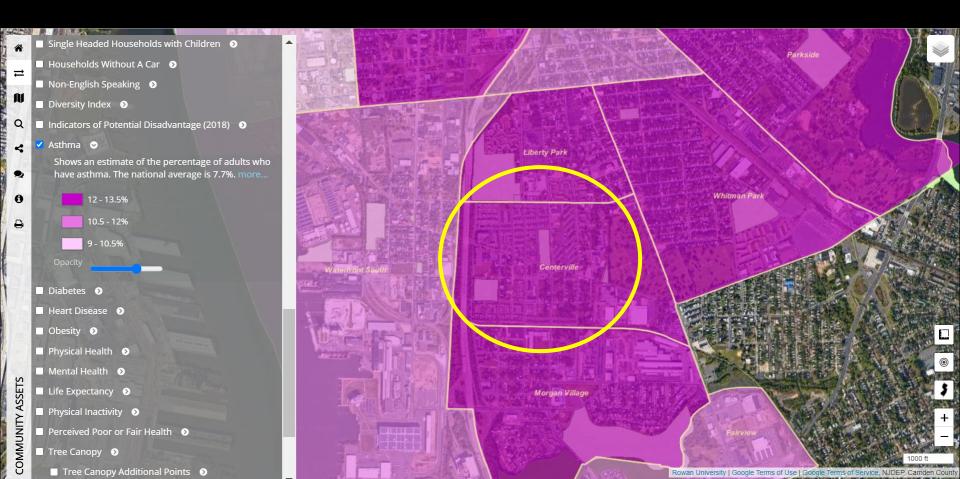
Food Desserts / Farmers Markets



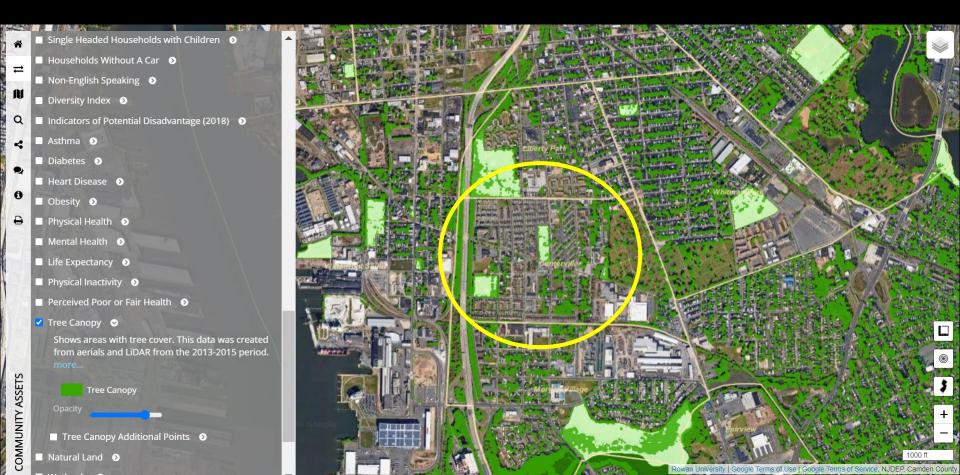
Application Example Asthma Rates Citywide



Zoomed in Centerville Asthma Rates



Zoomed in Centerville Tree Canopy



Tree planting opportunity ???



Trenton Green Infrastructure



Protecting **New Jersey's** Land and Legacy.

In New Jersey, the most densely populated state in the U.S., it is critically important to protect our healthy soils for growing food and the natural lands that safeguard our drinking water, clean our air, sustain wildlife and provide places for people to enjoy the outdoors.

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HP Smart

MAF



WATER QUALITY

OPEN A MAP



AGRICUTURE

ECOLOGICAL INTEGRITY

COMMUNITY

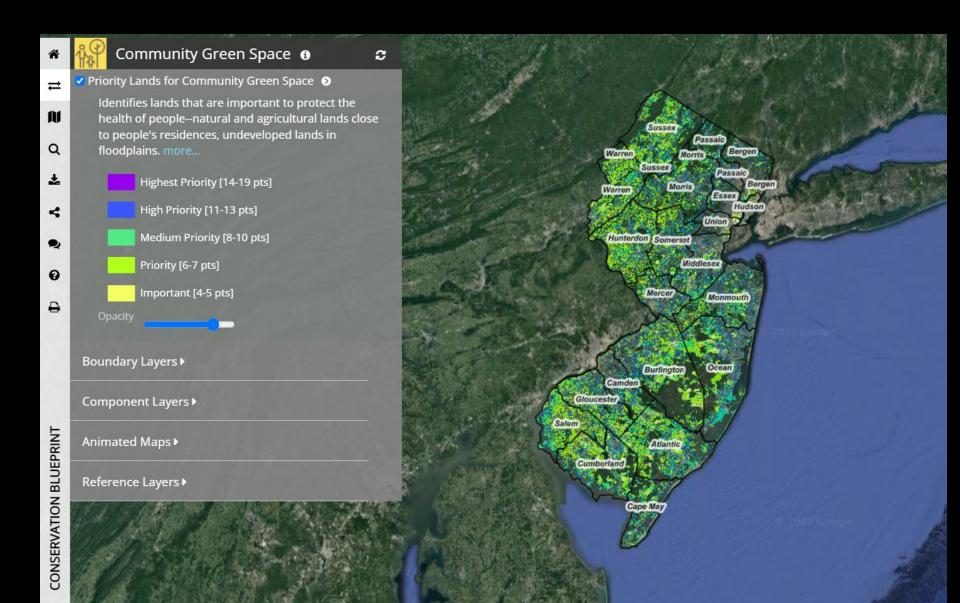
OPEN SPACE

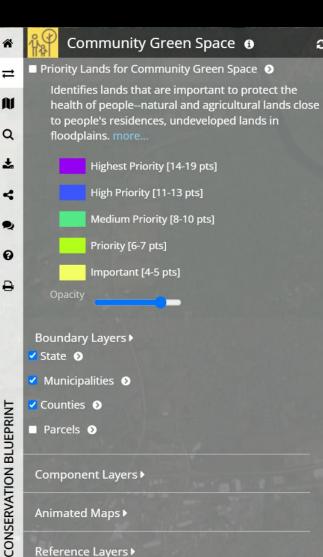
POWER USER

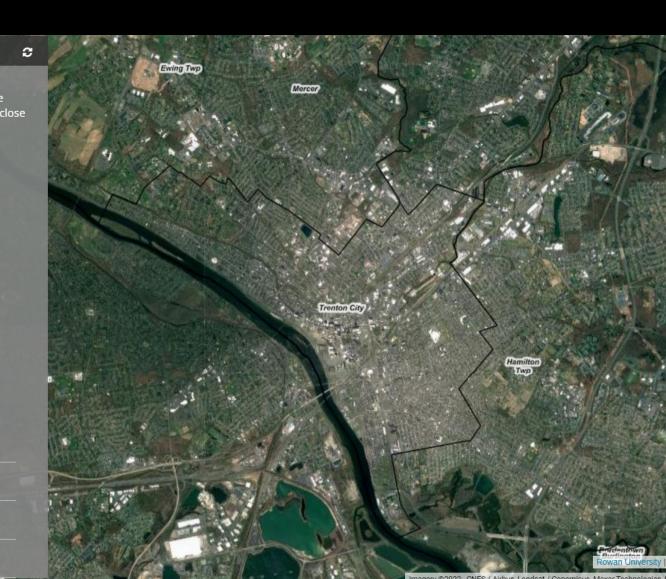
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CAMDEN CONSERVATION BLUEPRINT







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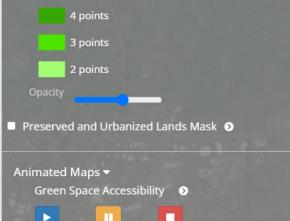
- Land Use Potential for Green Space
- Tax Use Code Potential by Parcel for Green Space
- Population Density Tiers
- 🝳 🗉 Flood/Water Corridor 📀
 - 🗸 Green Infrastructure Augmentation 😔

Land areas adjacent to existing Green Infrastructure (preserved open space, recreational lands, schools and trails). ...less

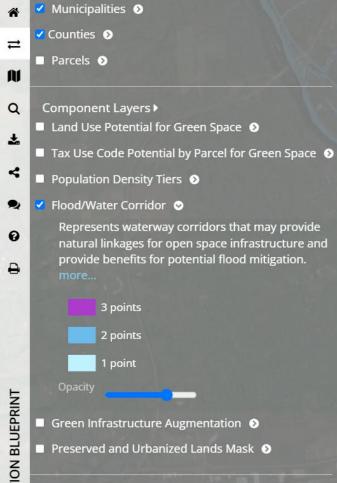
1 point assigned for land areas within 300 feet of each of the following:

- * Preserved Open Space
- * Recreational Lands
- * School Properties

1 point assigned for land areas with 75 feet of an identified trail

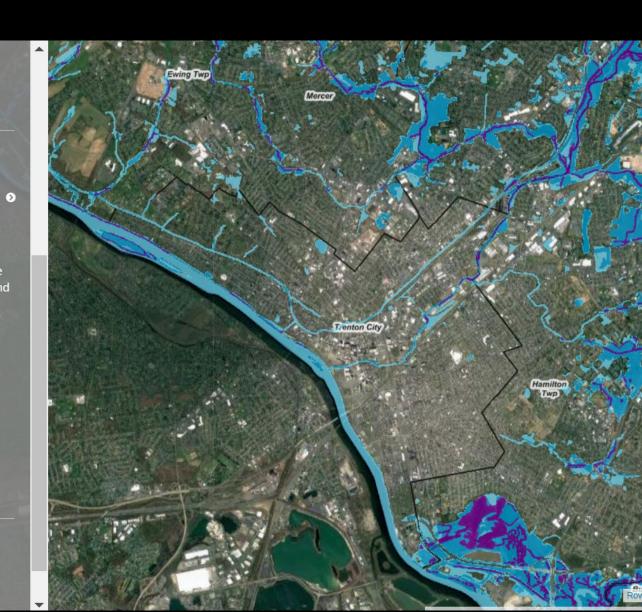


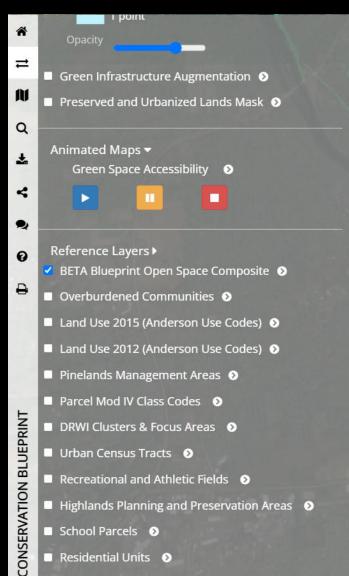




Animated Maps -Green Space Accessibility 📀

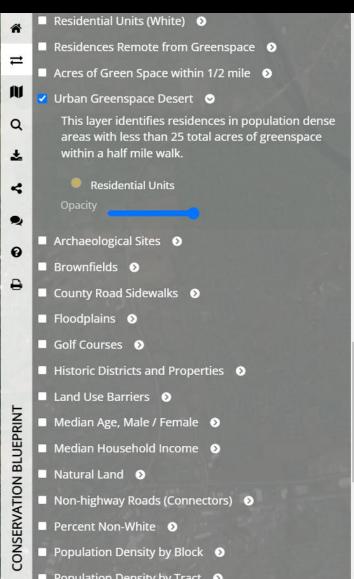


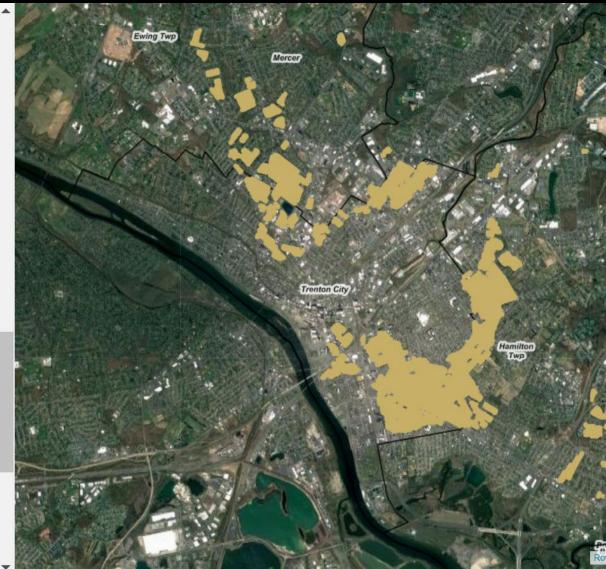


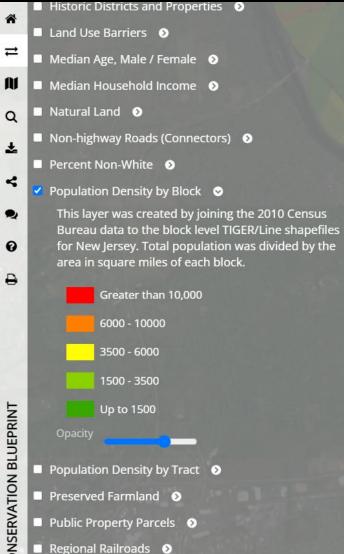












Degional Dailroad Stations



Treequityscore.org



TREE

EQUITY SCORE

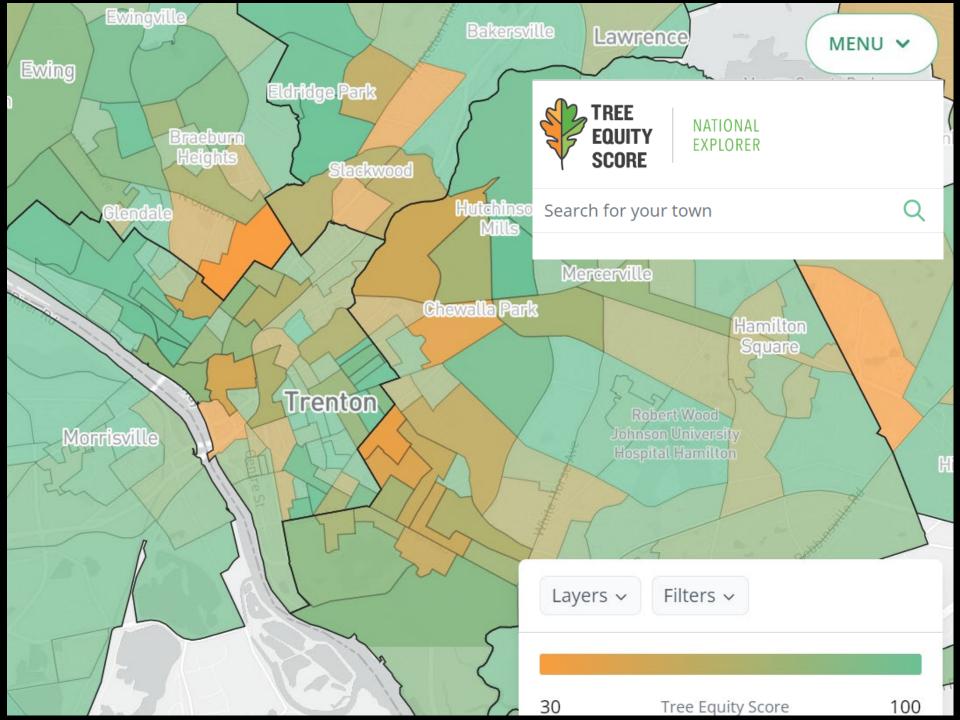


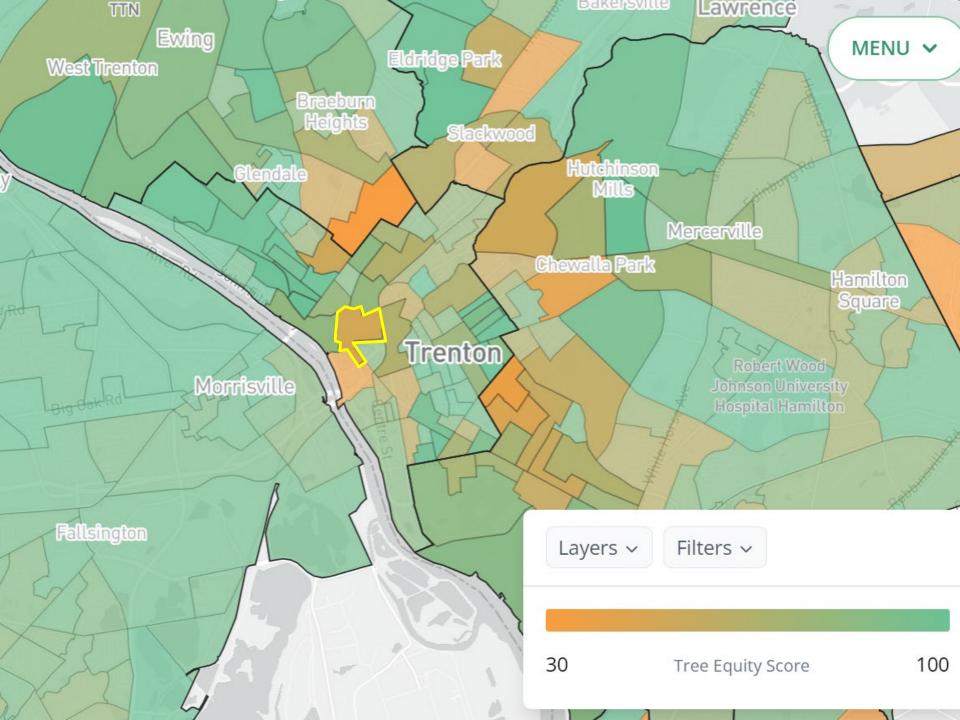
Find your score and help create Tree Equity in cities and towns across America.

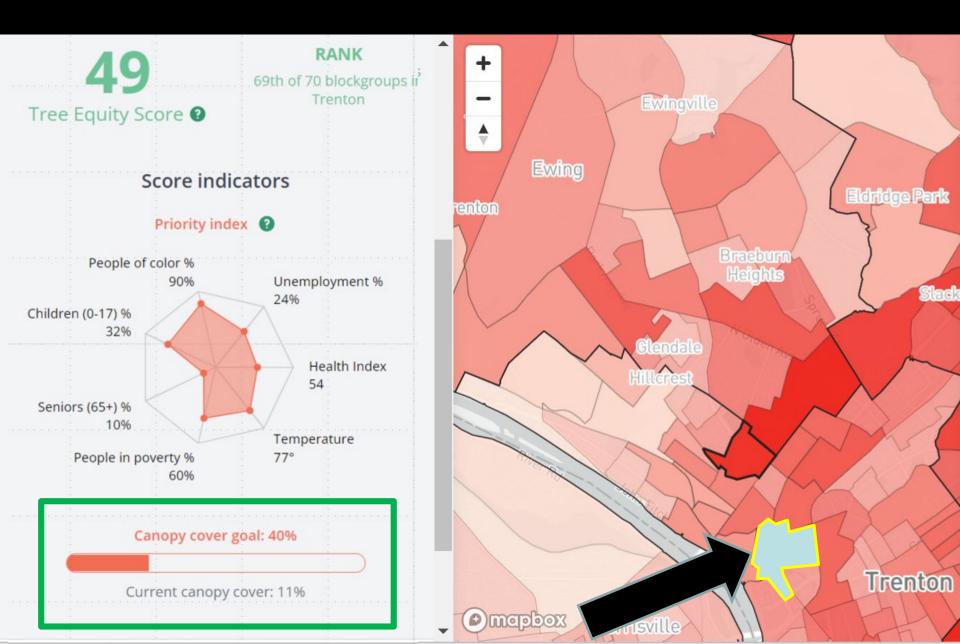
MENU 🗸

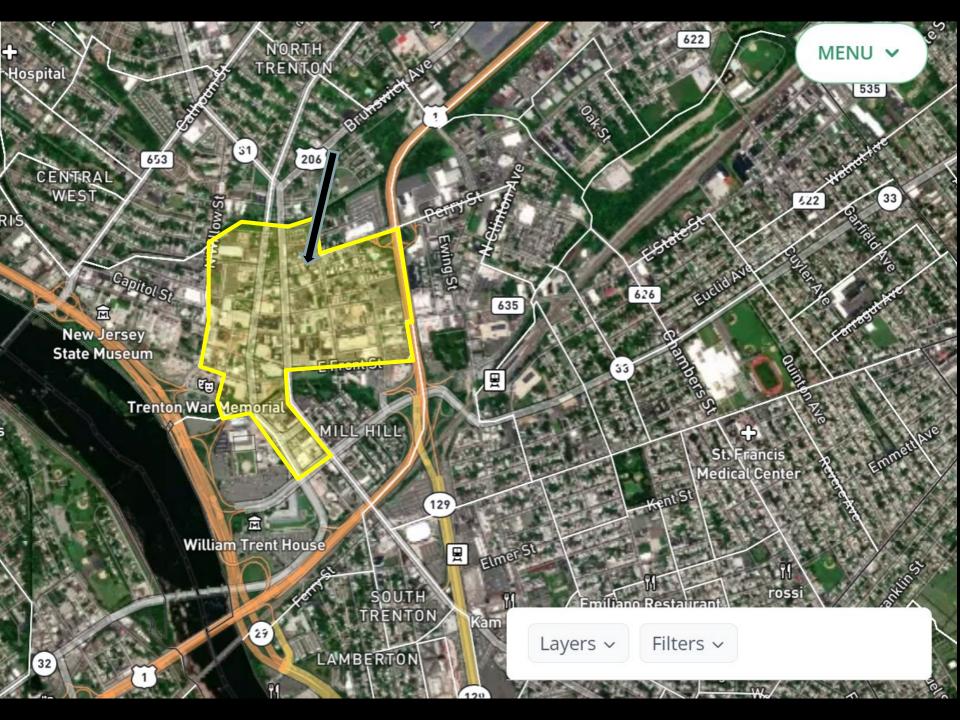
MAP

Search for your town TRENTON, NJ









Der ssumption Academy MENU 🗸 went Academy St 206 The Annex Friendship Baptist Church Faiths Plaza otio renton Free PublicLibrary St. Michael's Church Academy Street ELMENTER S Rosalia Playgroun Academy S Esperanza Apartments Islesfini Friends Burying 8 Mercer County iza Community College The Orchid House Warren Street Garage Nevius Arms Eas E Hanover St **Rooming House** Ap. E Hanover St **El Tiburon** 56 Supermarket **Two Brother's Pizza** Filters ~ Layers ~ **Crown Fried Chicken** Renaissance Grill

Trenton Battle Monument

North 25 Park

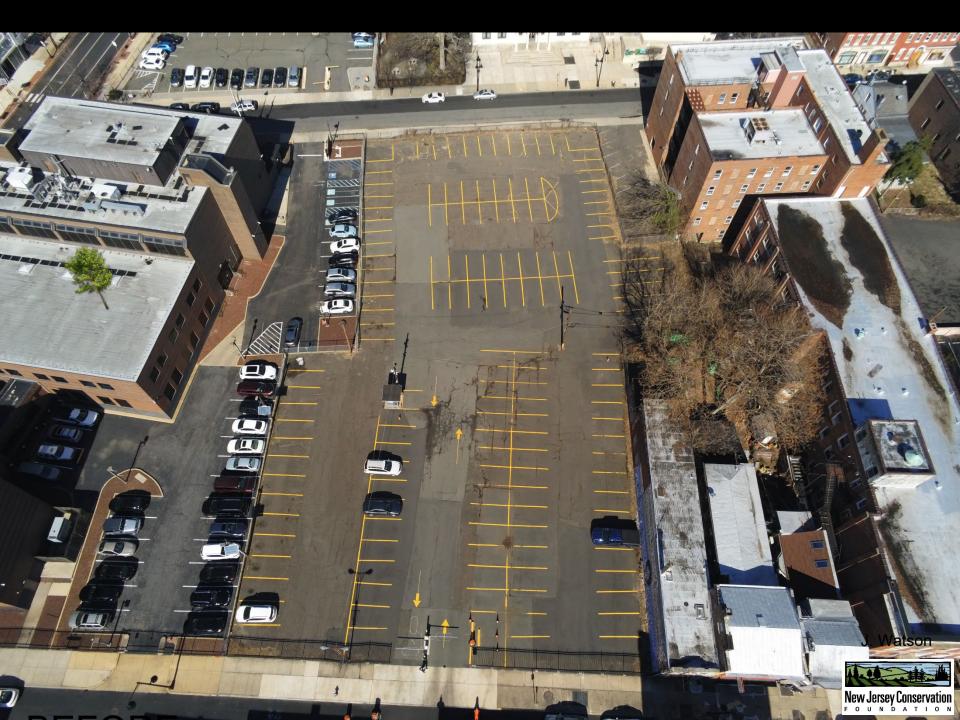
Cathedral of St. Mary of the Assumption

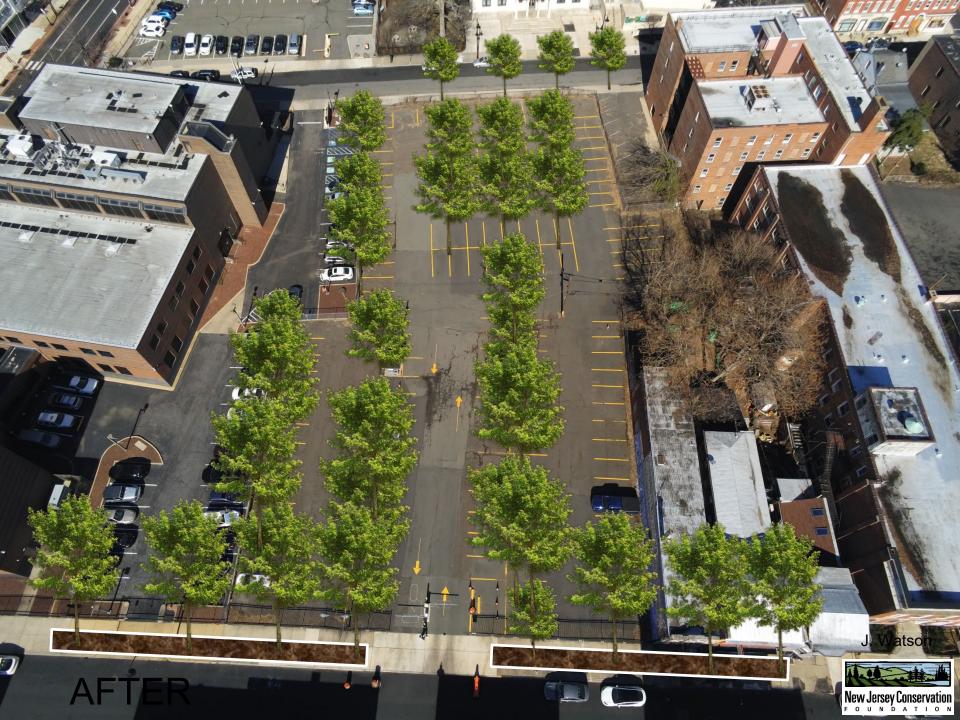
Trenton Free Public Library

Mercer County Community College James... Daylight/Twilight Alternative High School

2D

Project Area





Old Barracks Museum

Jersey Division of Taxation

Street arl

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New Jersey Motor Vehicle Commission

Trenton City Hall

Trenton Battle Monument,

Roberto Clemente Park

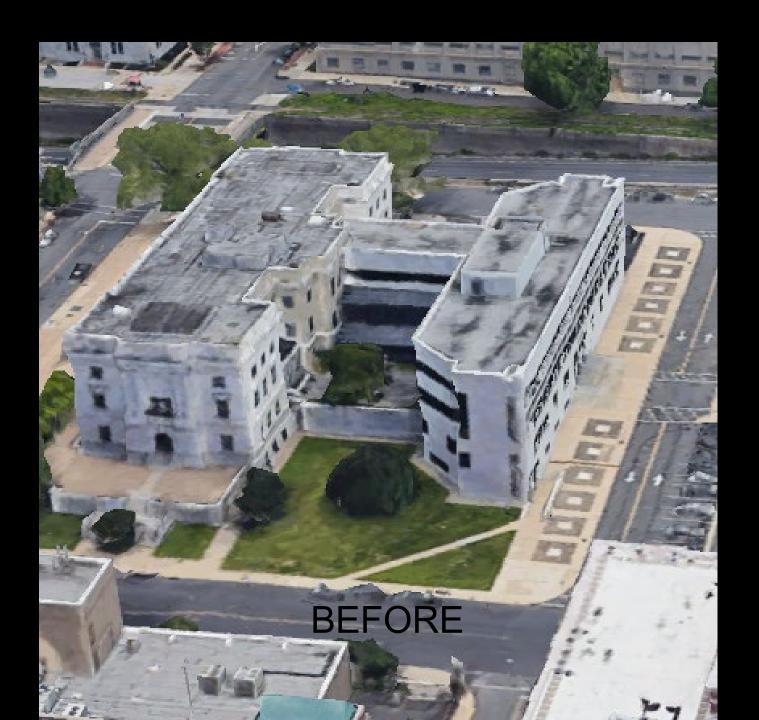
2D

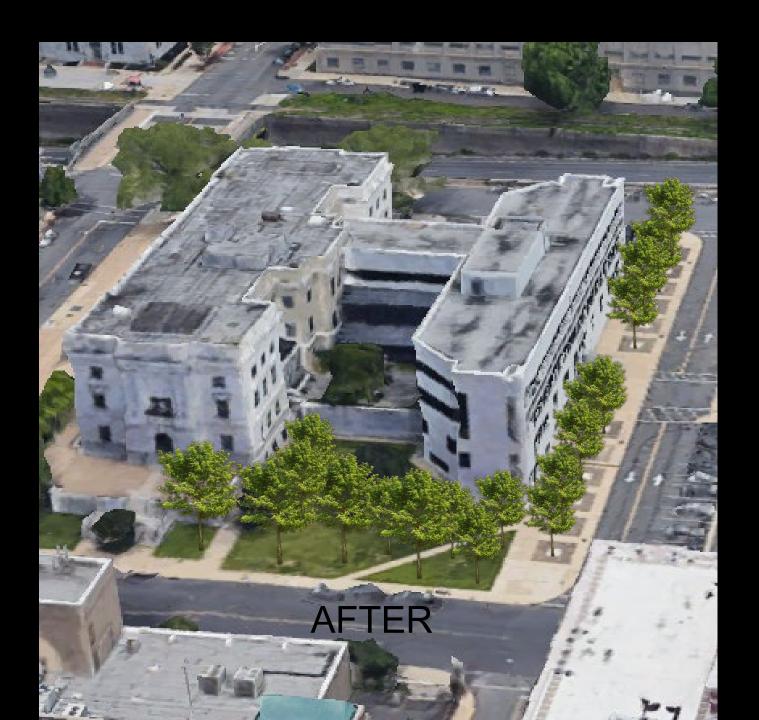
Project Area

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American Forests 1220 L Street NW Suite 750 Washington, DC 20005

americanforests.org

Urban Forest Stewardship

- Arboriculture Pre- Apprenticeship Curriculum
- 6 to 10 weeks at full time
- Paid apprenticeships!



Program Objective

The objective of the Arboriculture Pre-Apprenticeship Curriculum is to train participants to attain the skills necessary to enter and complete an arboriculture apprenticeship or work in an entry-level position in arboriculture or a related field through instruction and experiential learning strategies. The curriculum outline includes work readiness skills, job-specific abilities and knowledge development.

Arboriculture Skills

