

Climate-Smart Cities TM

*Research, Data, and Green
Infrastructure for Climate
Resilience*

Green Infrastructure for Coastal Resilience, March 30, 2017



The Trust for Public Land

Mission

The Trust for Public Land creates parks and protects land for people ensuring healthy, livable communities for generations to come.

Vision

An America where every community can connect with nature near and far.



The Trust for Public Land

5,000+ PLACES

We have created and protected more than 5,000 special places, from a 14,000-foot peak in the Rockies to the Brown vs. Board of Education historic site.

7+ MILLION

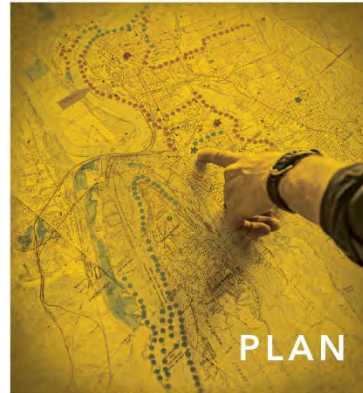
More than 7 million people now live within a 10-minute walk of a place that has been created or protected by The Trust for Public Land.

\$60 BILLION

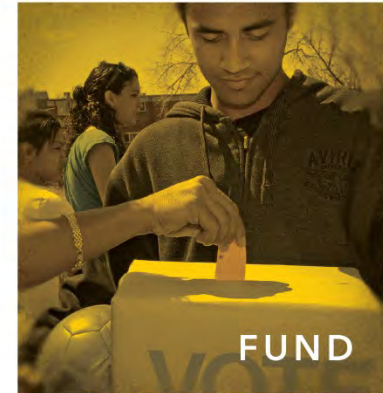
We have helped generate nearly \$60 billion in public funding for parks and natural areas through ballot measures supported by nearly 100 million voters in 37 states.

EVERY CITY

We are mapping the parks in every major city in America, advocating for the 100 million people who don't live within a 10-minute walk of a park. Yet.



PLAN



FUND

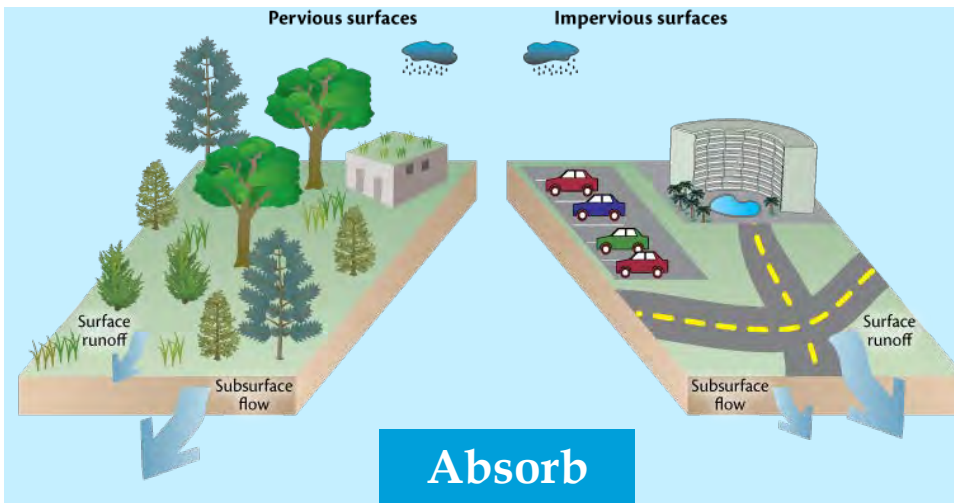
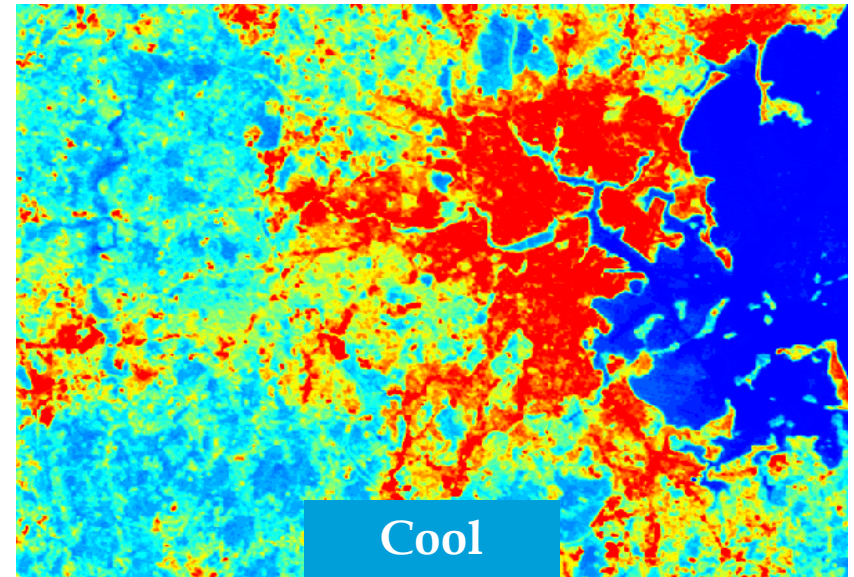


PROTECT



CREATE

THE
TRUST
FOR
PUBLIC
LAND



A Climate-Smart Strategy for Boston



Climate-Smart Cities Partnerships

Climate-Smart Cities™ Boston



Implementation

Partnership Formation

Research

The canopy cover in Boston is under 30% for most of the city. The map and table below highlight the eleven most vulnerable census tracts and their percent canopy cover.

Table 8. Most Vulnerable Census Tracts and Tree Canopy

CT	Neighborhood	HVT	% Canopy Cover
4	East Boston	12	4.0
2	Chinatown (South End)	48	3.9
3	Fenway	17	3.5
4	South End	17	4.4
5	Roxbury	17	6.8
6	Roxbury	48	5.9
7	Roxbury	17	10.8
8	Roxbury	48	10.4
9	Roxbury	17	13.5
10	Roxbury	17	22.9
11	South End	17	26.0

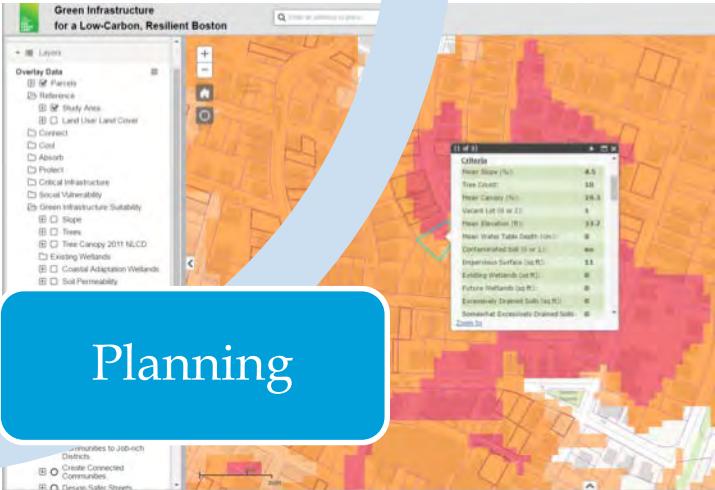
CTs not ranked: 1, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Percentage range: 0-100%



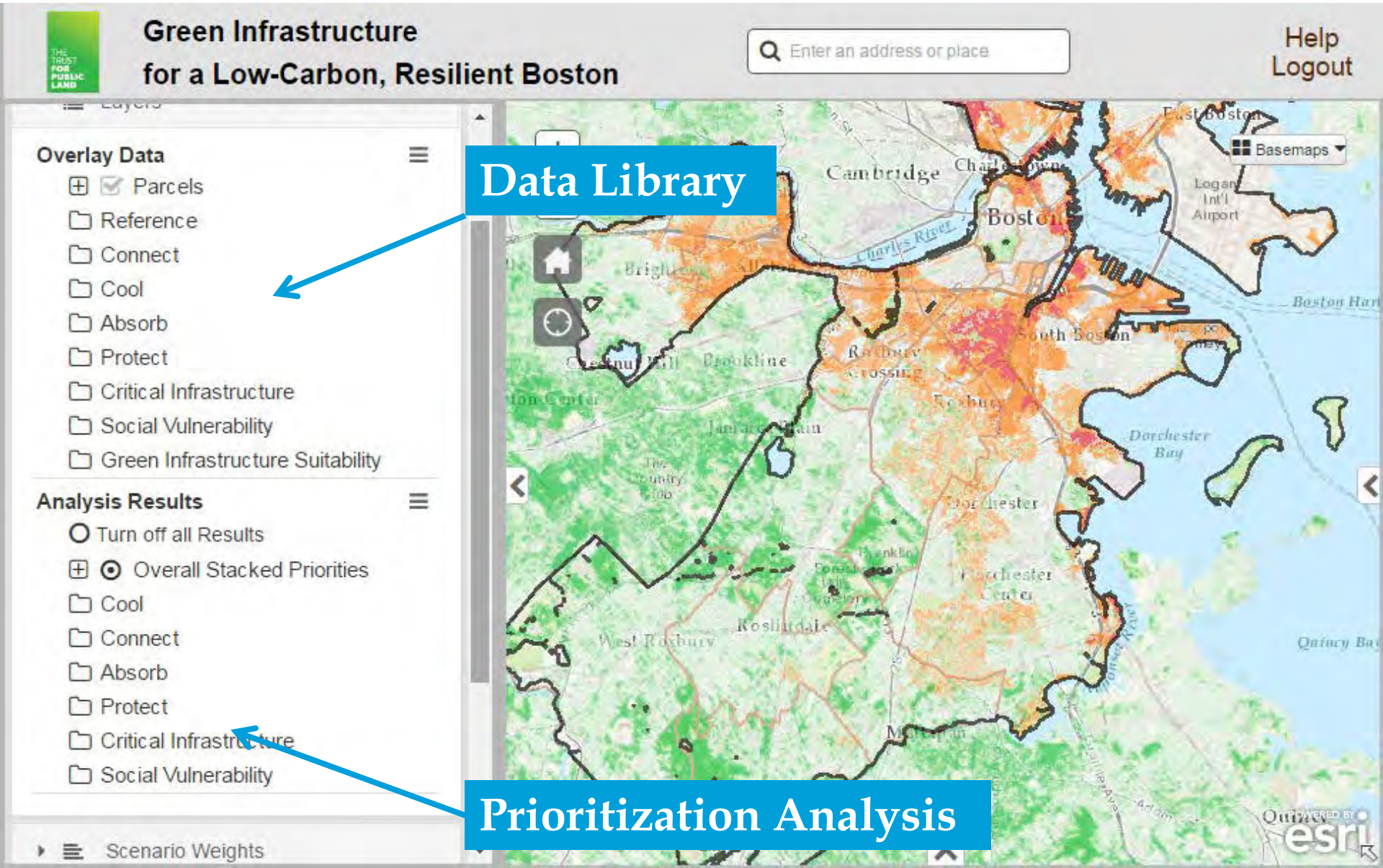
YES ON 5
A BETTER BOSTON

Funding

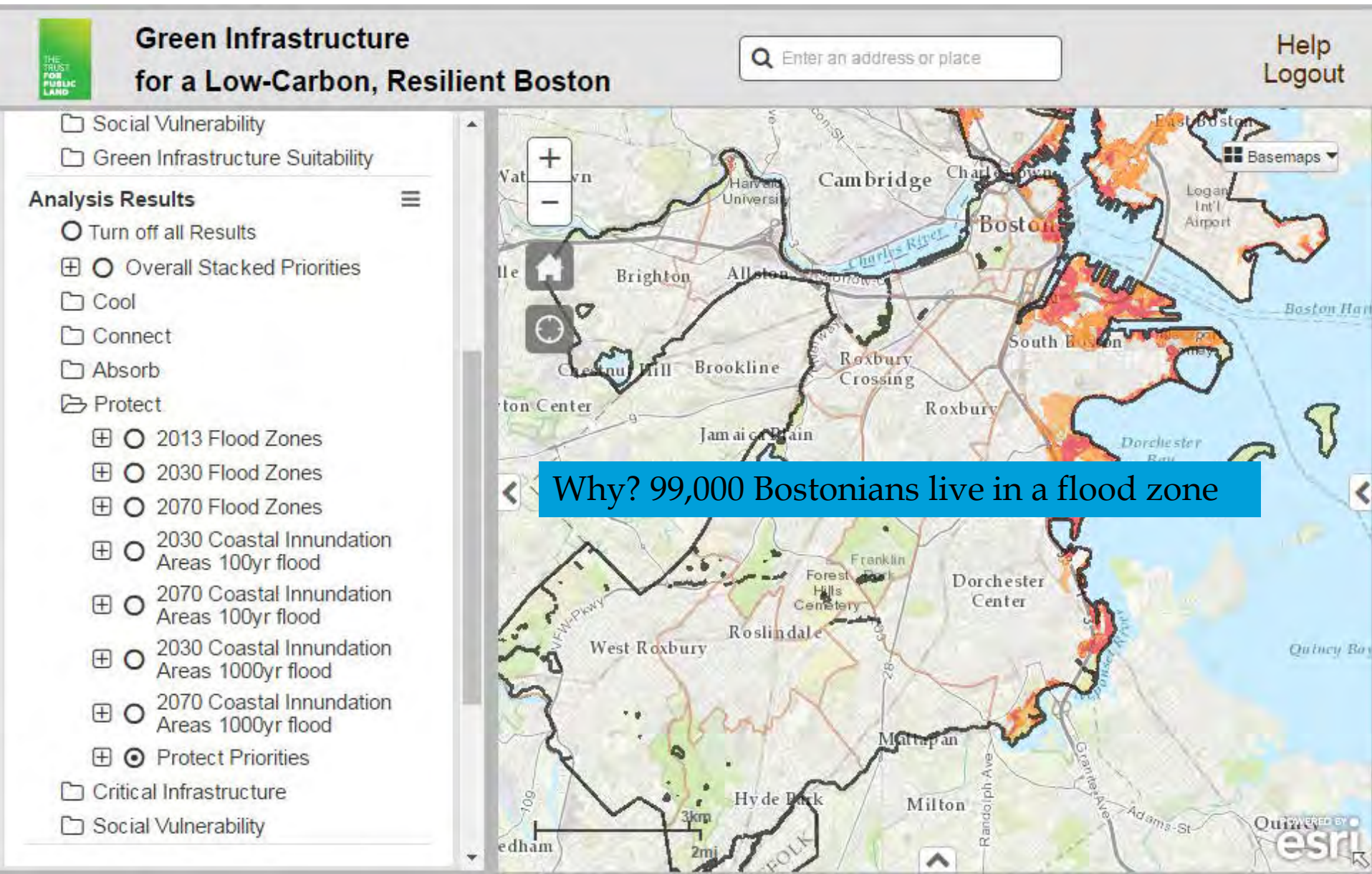


Planning

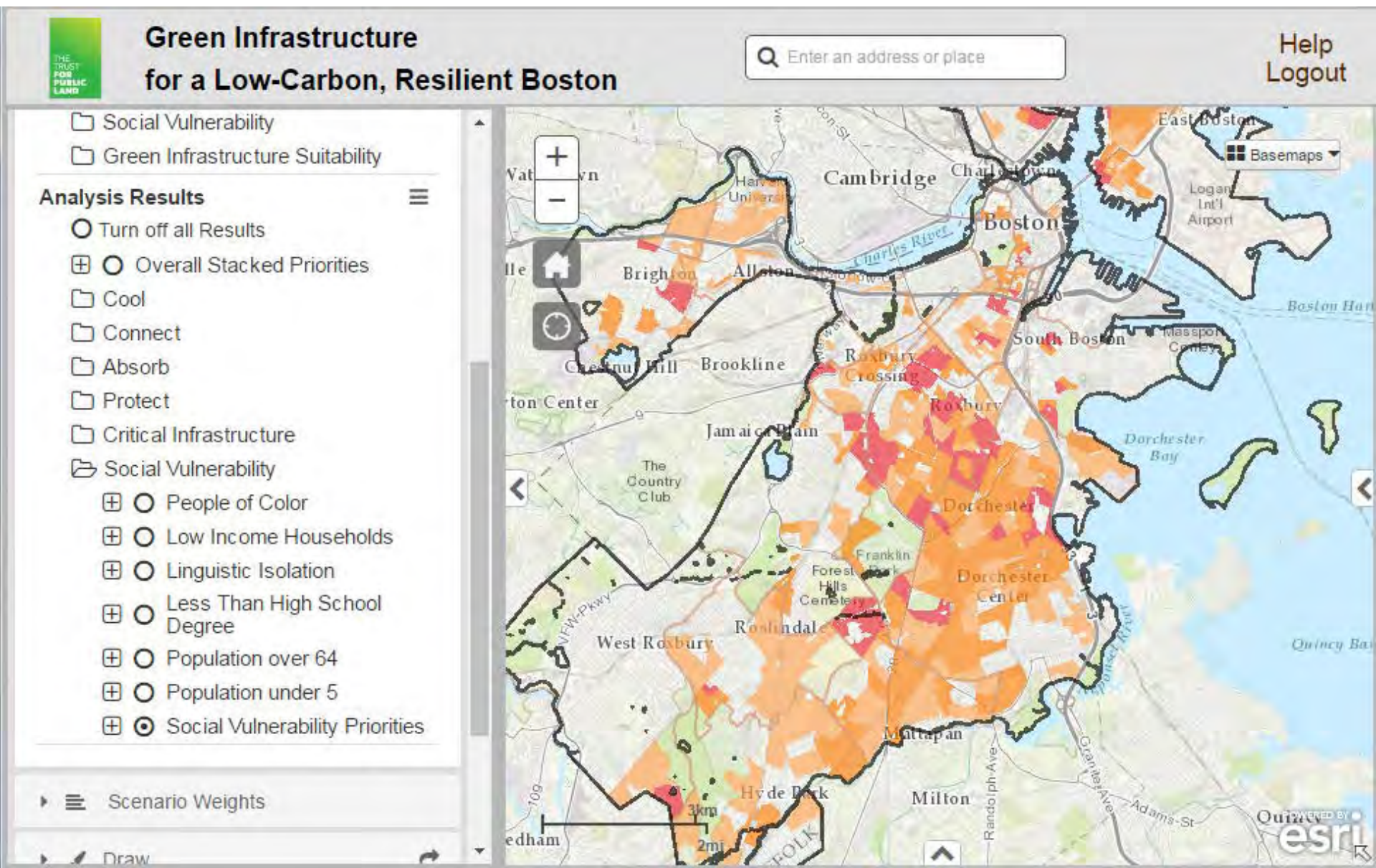
Climate-Smart Cities Decision Support Tool Guides Investment & Partnerships *for Impact*



Protect Analysis Finds Flood Risk



“People Data” Help Us Advance Equity





Green Infrastructure
Schoolyards



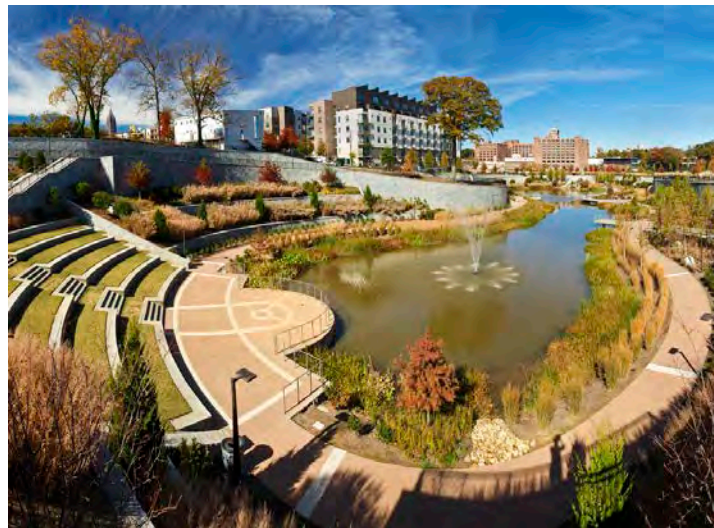
Green Alleys



Connective Corridors/
Linear Parks



Community Agriculture



Water-Smart Parks

Green Infrastructure Solutions to Climate Resilience

Woonasquatucket River

Providence, RI



Woonasquatucket River Greenway
at Merino Park
March 30, 2010



Woonasquatucket Adventure Park

Climate-Smart Cities Providence



Woonasquatucket River Greenway
Future Site of Adventure Park



Future Woonasquatic Adventure Park

Woonasquacket Adventure Park

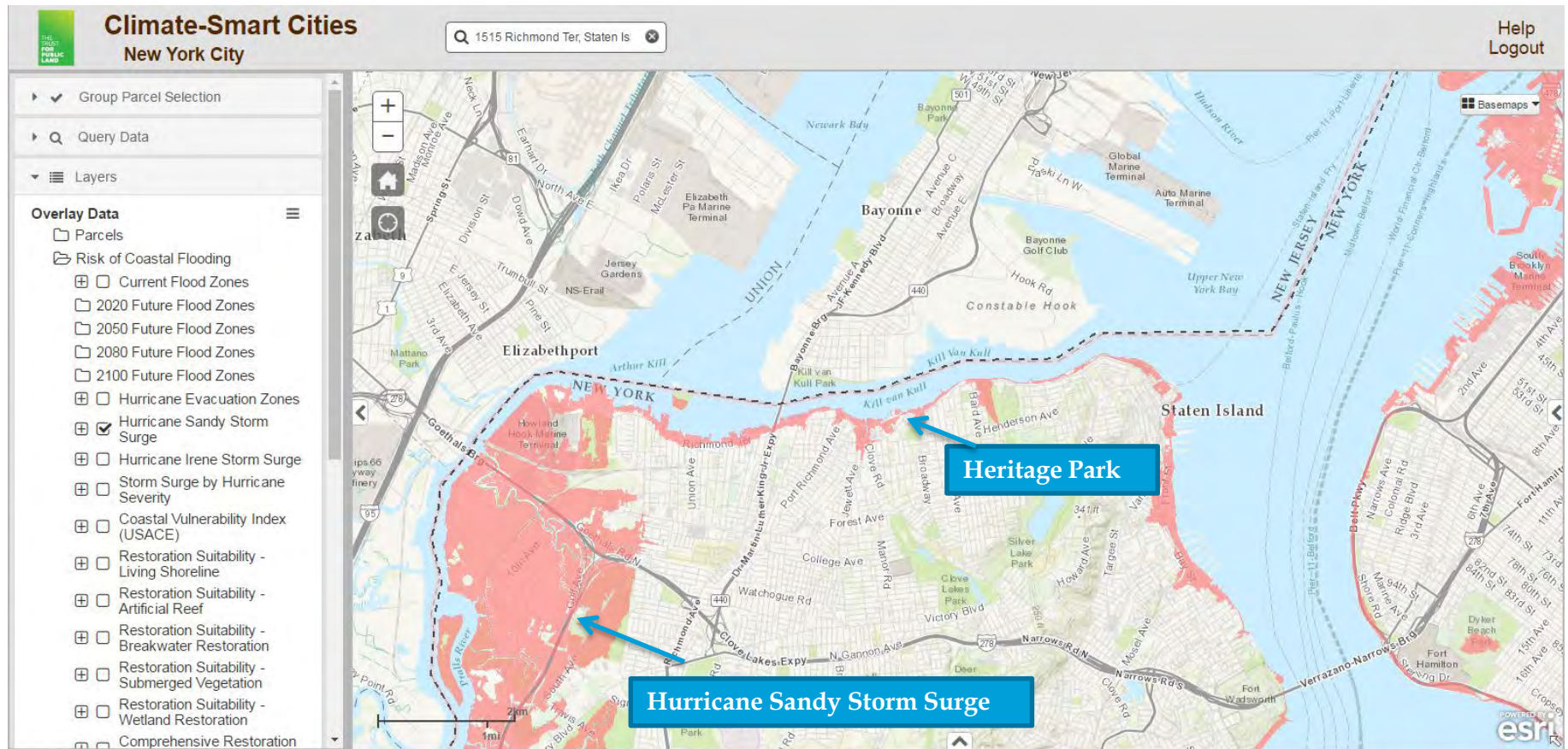
Climate-Smart Cities Providence



WOONASQUACKET RIVER WATERSHED COUNCIL



Hurricane Sandy Kill Van Kull, Staten Island, NYC



Climate-Smart Cites™ New York City

Did NYC's coastal green infrastructure protect property during Hurricane Sandy? A case study of three coastal communities



March, 2016



- Partnership with Drexel University
- Funded by NOAA
- Study area: Coney Island, Rockaway Peninsula, south shore of Staten Island
- Green infrastructure prevented damage but varied by type and geography.
- Download study at www.tpl.org





Blissenbach Marina to Heritage Park



Heritage Park Master Plan

Heritage Park-Community Led Effort



North Shore
Waterfront Greenway





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