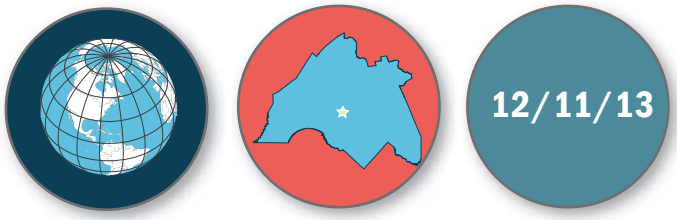


DVRPC IREG Geospatial and Open Source Event

Delaware Valley Regional Planning Commission
Information Resources Exchange Group

AGENDA

10:30 am Welcome / IREG Business

10:40 am Robert Cheetham (Azavea) - “The Future of Geospatial Technology”

11:20 am John Duchneskie (Philadelphia Inquirer) – “How journalists use geospatial technologies for reporting”

11:40 am Aaron Ogle (OpenPlans) - Leaflet

12:00 pm Lunch / Network

12:45 pm Member Roundtable

1:00 pm Andrew Hill (Vizzuality/CartoDB) –CartoDB

1:20 pm Dana Bauer (Rackspace) & Michele Schmitt (ManetoMapping) - Balloon Mapping in Public Spaces

1:40 pm Lauren Gilchrist (Center City District) – "Federal Open Data (ACS, LED & BEA)"

2:00 pm Andrew Thompson (Azavea) - "Your New Partners: Understanding Civic Hacking, Why You Should be Involved, and How to Get Started"

2:20 pm Coffee Break

2:30 am Mike Tedeschi (Azavea) - "Designing Apps for the Masses"

2:50 pm Atanas Entchev (Entchev) – “Developers and users: Divided by a common language”

3:10 pm John Reiser (Rowan University) – “Web Maps: the Next Boring Thing”

3:45 pm CartoDB Workshop

DELAWARE VALLEY dvrpc REGIONAL PLANNING COMMISSION

Presentation Summaries

Robert Cheetham (Azavea) - “The Future of Geospatial Technology”

Robert will discuss some recent trends and developments in geospatial technology and how this is changing what we can image for the future.

John Duchneskie (Philadelphia Inquirer) – “How journalists use geospatial technologies for reporting”

The Philadelphia Inquirer uses geospatial technology not only for producing routine maps, but also as a vital reporting tool to help determine news coverage. John Duchneskie, the graphics editor at the Inquirer, will show examples of how his newspaper identified trends and produced information graphics through data analysis and GIS software.

Aaron Ogle (OpenPlans) – Leaflet

Leaflet is a simple yet extensible JavaScript library for creating web maps. Aaron will review the features of Leaflet and show how OpenPlans uses it in their urban planning and community engagement applications.

Andrew Hill (Vizzuality/CartoDB) –CartoDB

CartoDB is a cloud based mapping, analysis and visualization engine that lets users build spatial applications for both mobile and web. Andrew will review the key features of CartoDB and talk about how organizations and users are using it throughout the world.

Dana Bauer (Rackspace) & Michele Schmitt (ManetoMapping) - Balloon Mapping in Public Spaces

Community plays a big role in the success of open-source projects. But growing a community can be challenging. Public Lab, a DIY environmental science organization, attracts a diverse group of contributors to its open-source software and hardware projects. In the talk, Dana and Michele will explore lessons on community building from Public Lab.

Lauren Gilchrist (Center City District) – Federal Open Data (ACS, LED & BEA)

Although much is being done at the local level to open administrative and other government data sources, the U.S. Federal Government continues to provide some of the most accurate data on critical economic and social indicators, increasingly through developer-friendly platforms. Lauren will discuss some of the data available via the U.S. Census Bureau, Bureau of Labor Statistics, and Bureau of Economic Analysis and how it can be accessed and used.

Andrew Thompson (Azavea) - "Your New Partners: Understanding Civic Hacking, Why You Should be Involved, and How to Get Started"

The old image of a civic hackathon - volunteer software developers in a room with pizza and coffee for a weekend working on websites and apps that solve any number of social ills - sounds too good to be true, because it is. There are real benefits to be gained by governments that get involved in civic hacking and take the time to nurture partnerships with civic hackers and communities around their data, but free labor is not one of them. Hackathons and the apps that come out of them should be seen as an investment; important, preparative stepping stones that get disparate agencies and governments to share, describe, and think about their available data in new ways. This talk will explore many recent civic hackathons, data/APIs, and apps from the Philly area, examine what benefits agencies can gain from participating in these events, and finish with some advice for planning and executing great civic hackathons.

Mike Tedeschi (Azavea) - "Designing Apps for the Masses"

It's easy to build a map-based application, but it's hard to create one that people actually want to use. Through this presentation, we'll take a look at user-experience design methods and techniques and apply them to real life projects. You'll walk away with a new toolset – and hopefully a change in mindset – that will help you build apps that are meaningful and useful.

Atanas Entchev (Entchev) – "Developers and users: Divided by a common language"
Makers and users of software are often at stark odds with each other.
Why is that, and what can each group do to bridge the communication gap and make life easier for all.

John Reiser (Rowan University) – "Web Maps: the Next Boring Thing"
In the rush to bring your data to the web, remember that usability is key. Your audience and their feedback is what should drive your development process. We will discuss several ways you can make your mapping applications responsive to your audience's needs.

About Our Presenters

Robert Cheetham, Azavea
Robert Cheetham is the founder and president of Azavea. Robert has an MLA in Landscape Architecture and Regional Planning from the University of Pennsylvania and a BA in Japanese Studies from the University of Michigan. Prior to founding Azavea, Robert served as a software developer and analyst for the Philadelphia Police Department, the University of Pennsylvania, and the City of Philadelphia. Prior to living in Philadelphia, he served as a Coordinator for International Relations in Konan-cho, Japan.

John Duchneskie, Philadelphia Inquirer
John Duchneskie is the Graphics Editor at the Philadelphia Inquirer, where he has worked since 1985. He edits and produces information graphics for print and online and analyzes data to help determine news coverage. John's work has been honored by the Society for News Design, the Society for Professional Journalists, the Associated Press Sports Editors, and the Pennsylvania Newspaper Association, and he has taught information graphics at the University of Missouri. John lives in South Jersey and is upset that Roy Halladay retired as a Toronto Blue Jay.

Aaron Ogle, OpenPlans
Aaron believes that software is a powerful tool that can be used to build for a better world, and he loves designing applications to make cities more livable, beautiful, and just. He is a software developer at OpenPlans where he develops applications to address challenges surrounding urban planning and community engagement.

Andrew Hill, Vizzuality+CartoDB
Biologist, programmer, coffee enthusiast. Andrew is a Senior Scientist with Vizzuality where he continues to explore merging science and technology together in new ways. His ultimate goal is a future full of open source tools and easily accessible data the will empower scientific discovery for a better world.

Dana Bauer, Rackspace
Dana is a developer and community advocate at Rackspace. Her team supports OSS projects, provides outreach to open communities, and builds tools to help developers use the open cloud.

Michele Schmitt, ManetoMapping
Michelle Schmitt is the principal of Maneto Mapping & Analysis. For over 10 years she has worked with nonprofits, local governments and small businesses to turn data into useful information. Michelle's work is based in the belief that good maps are a powerful tool for seeing and understanding complicated patterns and that good data analysis tells a compelling story.

Lauren Gilchrist, Center City District
Lauren Gilchrist currently serves as the Manager of Research and Analysis at Philadelphia's Center City District and has been working for the organization since September 2012. Lauren is responsible for research and writing for all major CCD research publications, including residential, retail, and State of Center City reports; conceptualizing and conducting original data collection, including data on residential development projects and retail establishments; and ongoing real estate and economic research for policy initiatives. Lauren holds an MS in Public Policy & Management from Carnegie Mellon University.

Andrew Thompson, Azavea
Andrew Thompson works as the Community Evangelist at Azavea, where he supports and fosters the user communities around Azavea's open source geospatial products, and engages the wider civic technology and open data communities by hosting and attending hackathons, conferences, and other events. He holds a BA from Haverford College in Growth and Structure of Cities with a minor in Computer Science, where he wrote his senior thesis on open source software and its role in the open government movement. Andrew loves biking, drinks tea but not coffee, and relishes any opportunity to converse in Spanish.

Mike Tedeschi, Azavea
Michael is an interactive user-interface, user-experience designer with over seven years of professional experience working with web, mobile, other interactive touch-screen devices. He is currently the Lead UI/UX Designer at Azavea, building web and mobile apps, and also runs Interactive Mechanics, an interactive UI/UX design consultancy.

Atanas Entchev, ENTCHEV GIS
Atanas Entchev is the principal of ENTCHEV GIS Architects – a commercial and municipal GIS consulting company based in New Brunswick, New Jersey. Mr. Entchev has over 20 years of experience as a GIS professional. He is responsible for the successful design and implementation of GIS systems for more than 30 municipalities and Utility Authorities across New Jersey. He is also a widely-published author on GIS industry topics.

John Reiser, Rowan University
John Reiser is the Coordinator of the Geospatial Research Lab at Rowan University. Through the GeoLab, he conducts and manages research projects relating to urban planning, environmental stewardship and facilities management. John has 8 years experience working with GIS and has worked in a private planning firm and for the State of New Jersey's planning office before taking the reins of the GeoLab at Rowan. John also contributes to the GIS community through the release of open source software and has a keen interest in making data more accessible to the general public. John lives in Glassboro with his wife Kate and two children. A cycling enthusiast, he rides his bike to work throughout the year.

The Future of Geospatial Technology

Robert Cheetham
cheetham@azavea.com

@azavea
@rcheetham

~~The Future of Geospatial Technology~~

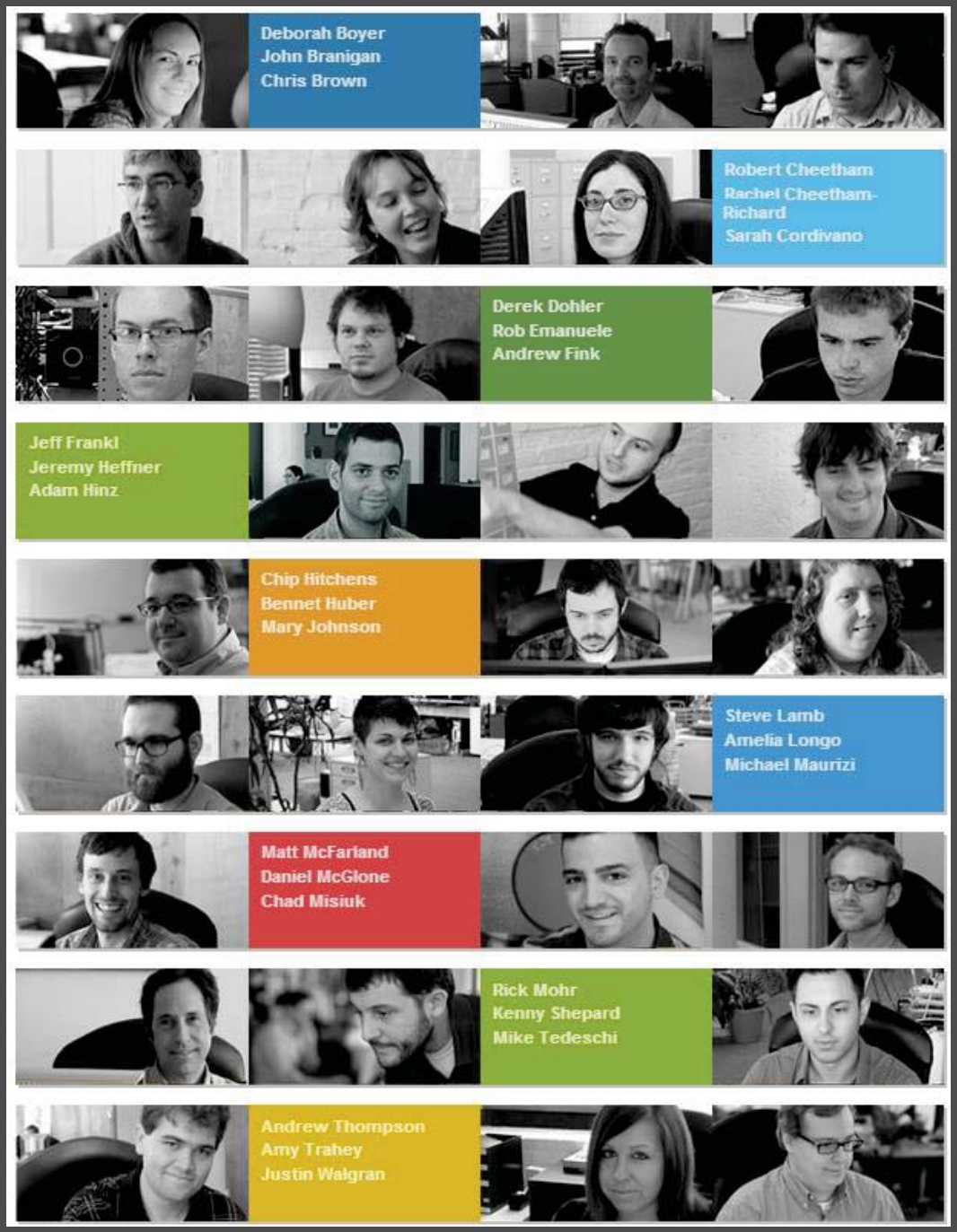
Stuff we might build together in the next few years

Robert Cheetham
cheetham@azavea.com

@azavea
@rcheetham

azavea

Civic Software for the Web



Land

Water

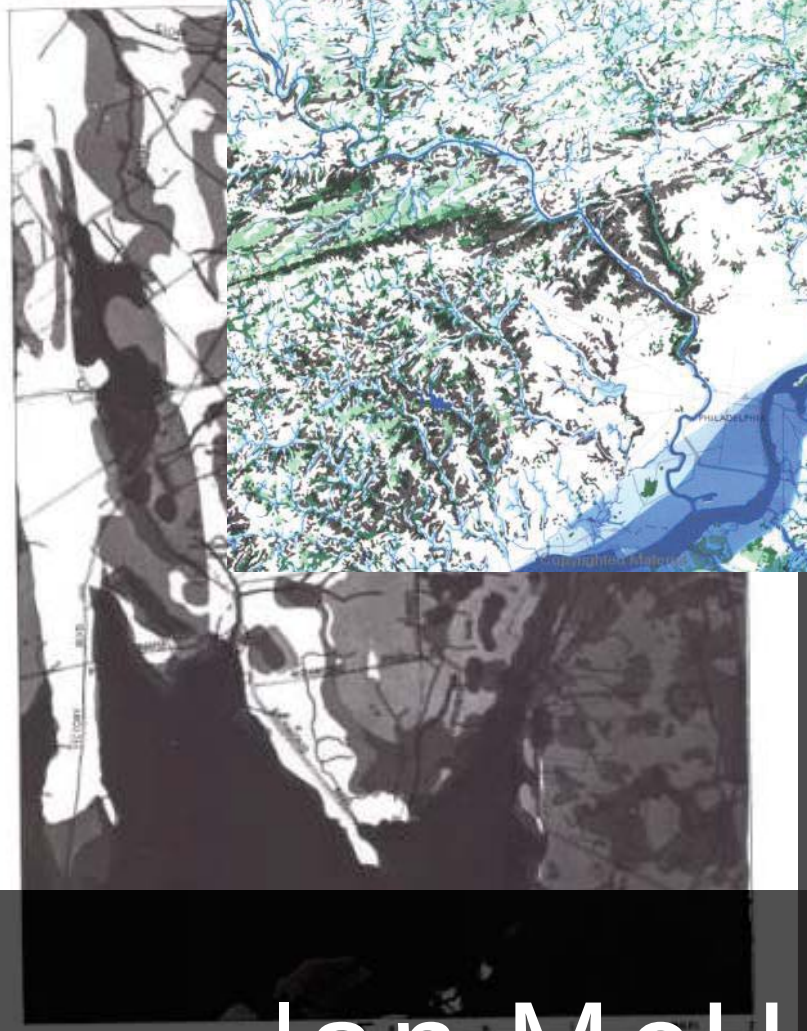
People

B Corporation

- Civic/Social Impact
- Summer of Maps
- Pro Bono Program
- Donate share of profits

Research-Driven

- 10% Research Program
- Academic Collaborations
- Open Source
- Open Data



SUSCEPTIBILITY TO EROSION

ZONE 1 All slopes in excess of 10% and gravelly sandy to fine sandy loam soils

ZONE 2 Gravelly sand or silt loam soils and areas with slopes in excess of 25% on gravelly to stony sandy loams

ZONE 3 Other soils with finer textures and flat topography

Ian McHarg

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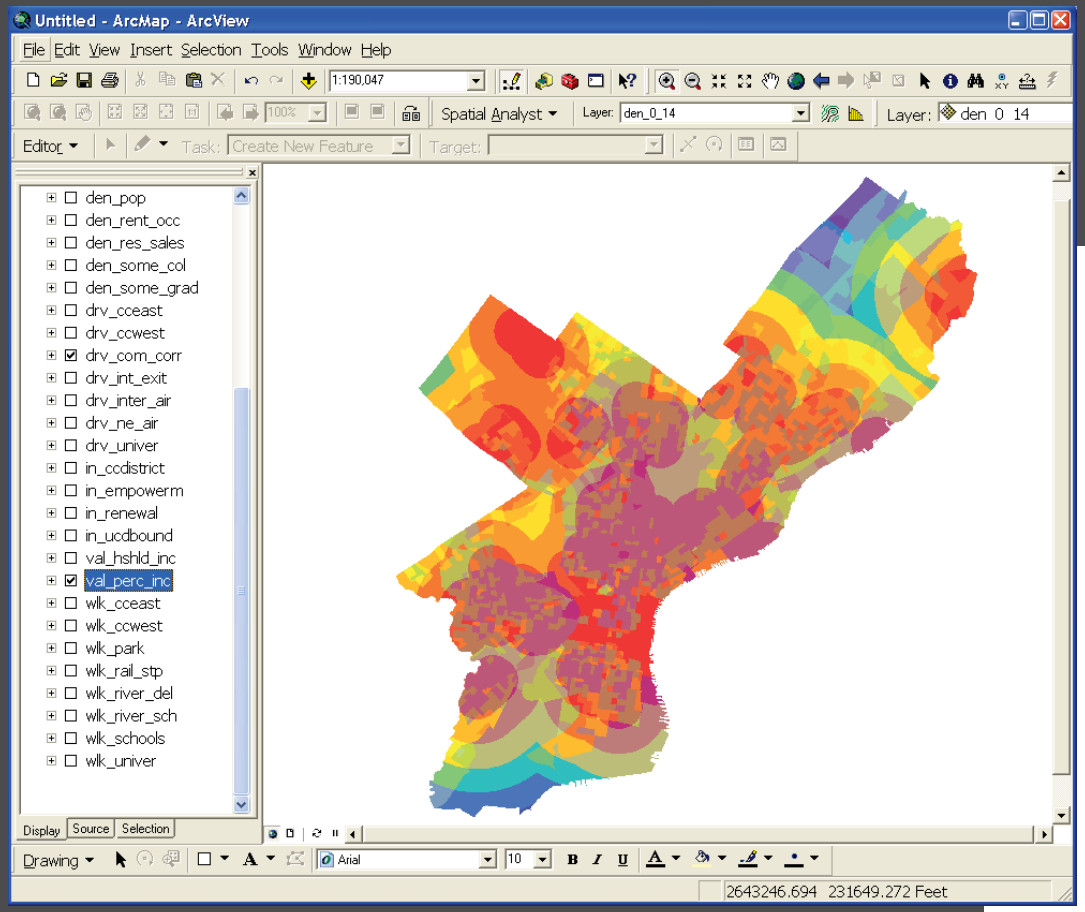
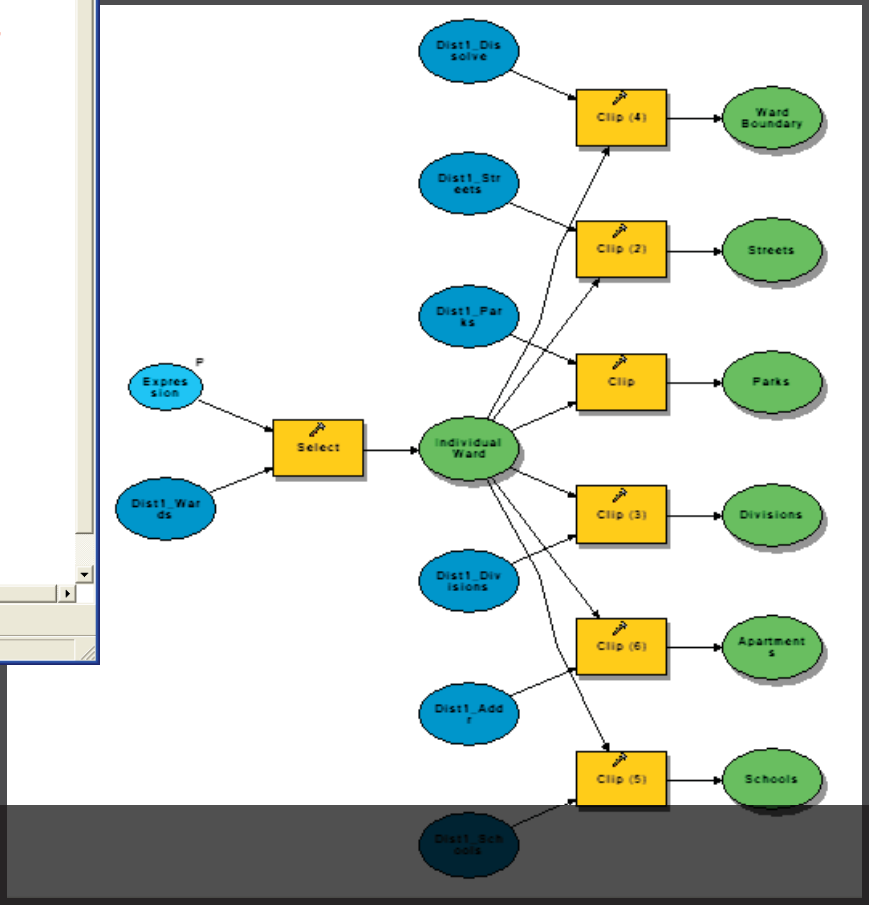




Desktop GIS → Web

advanced
spatial analysis
on the web

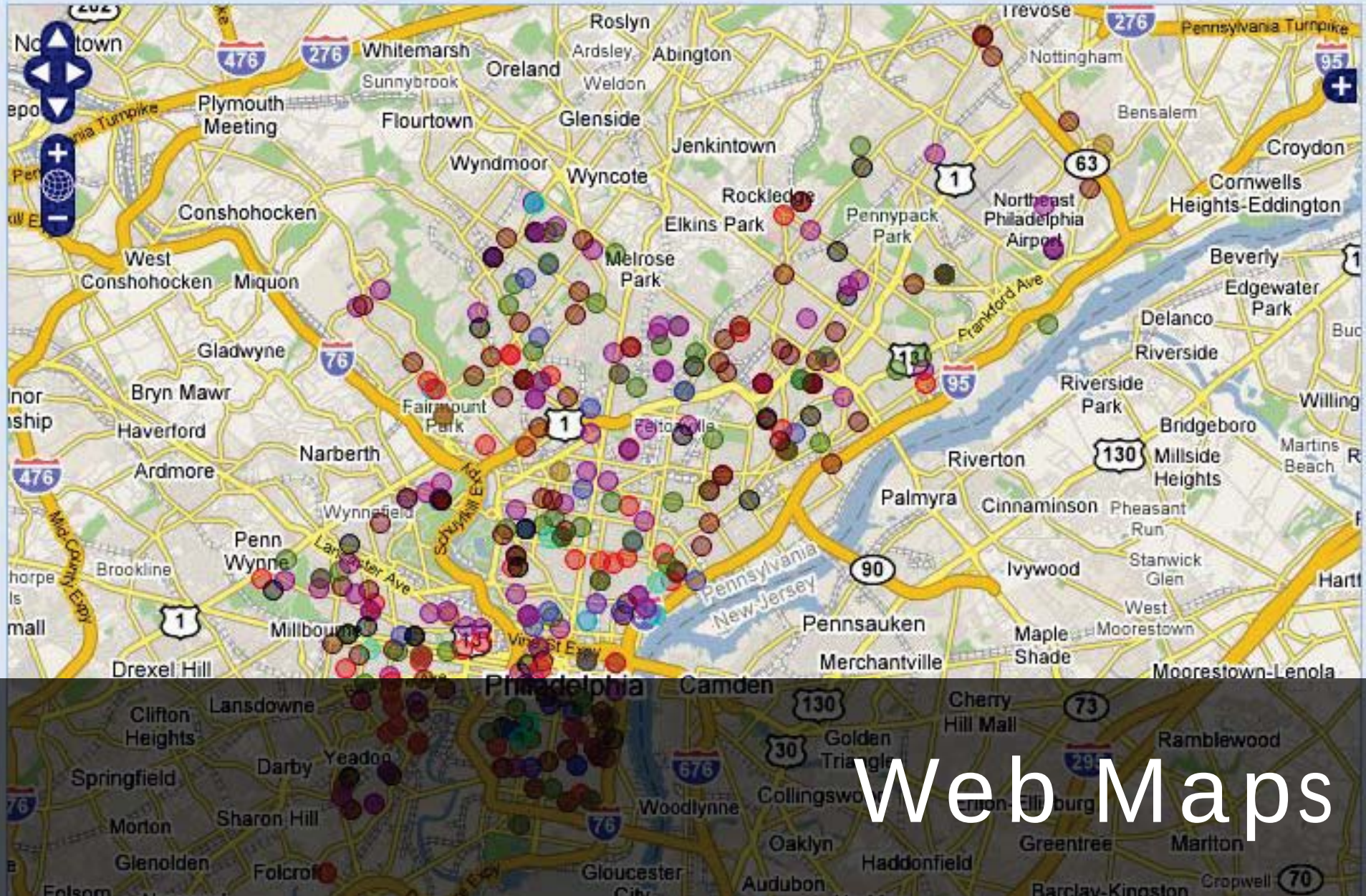
~~advanced~~

~~spatial analysis~~

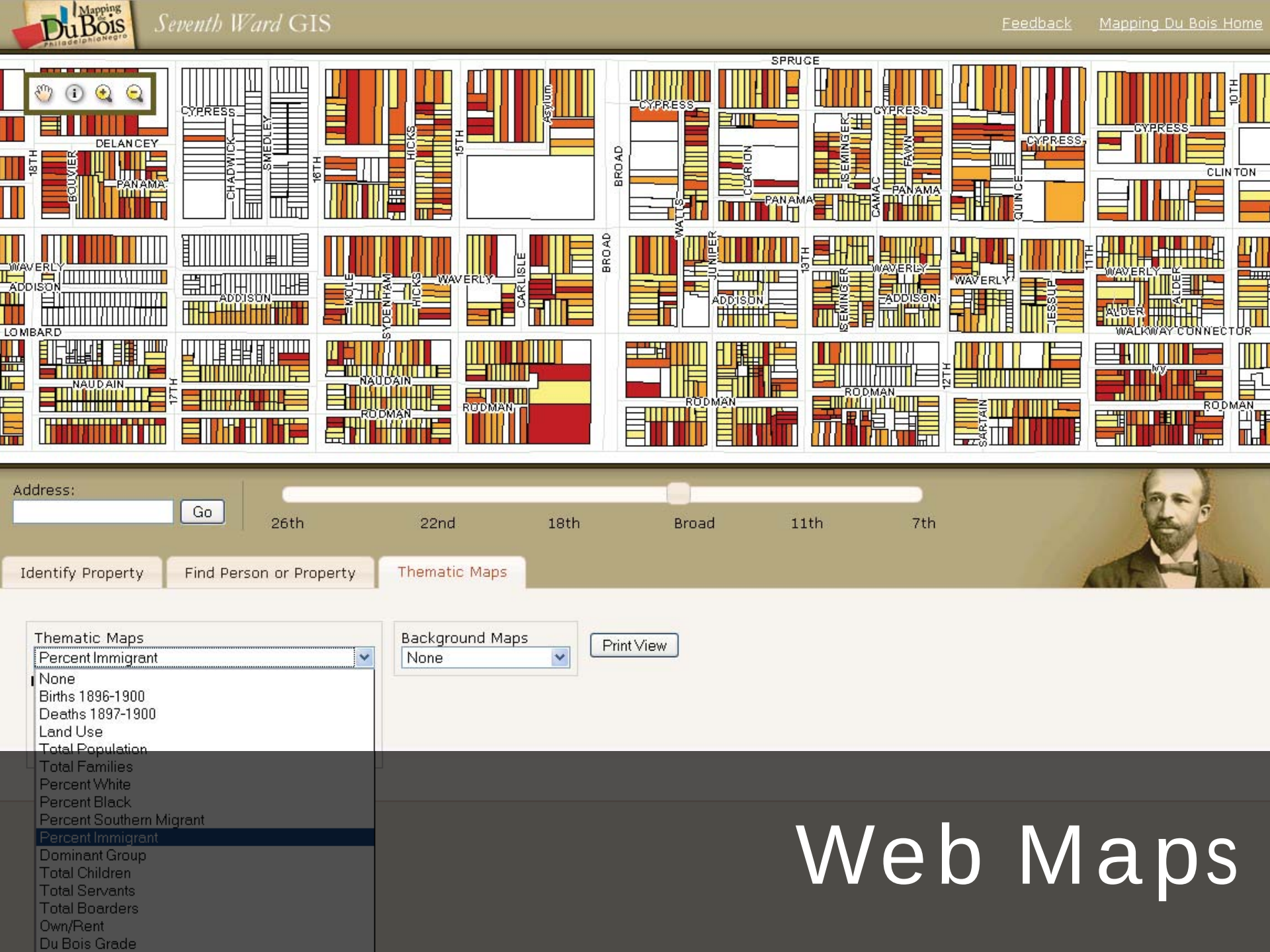
on the web

Committee of Seventy

Election Incident Tracking & Mapping



Web Maps


Mapping Du Bois
Philadelphia Negro
Seventh Ward GIS
Feedback
Mapping Du Bois Home
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CYPRESS
DELANCEY
PANAMA
BOUVIER
CHADWICK
SMEDLEY
18TH
HICKS
15TH
ASYLUM
BROAD
WALTS
CLARION
ISEMINGER
FAWN
CAMAC
QUINCE
10TH
CLINTON
WAVERLY
ADDISON
MOLE
SYDENHAM
CARLISLE
JUNIPER
13TH
JESSUP
11TH
ALDER
WALKWAY CONNECTOR
LOMBARD
NAUDAIN
17TH
RODMAN
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7th
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Find Person or Property
Thematic Maps
Thematic Maps
Percent Immigrant
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Births 1896-1900
Deaths 1897-1900
Land Use
Total Population
Total Families
Percent White
Percent Black
Percent Southern Migrant
Percent Immigrant
Dominant Group
Total Children
Total Servants
Total Boarders
Own/Rent
Du Bois Grade
Background Maps
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Print View

Web Maps

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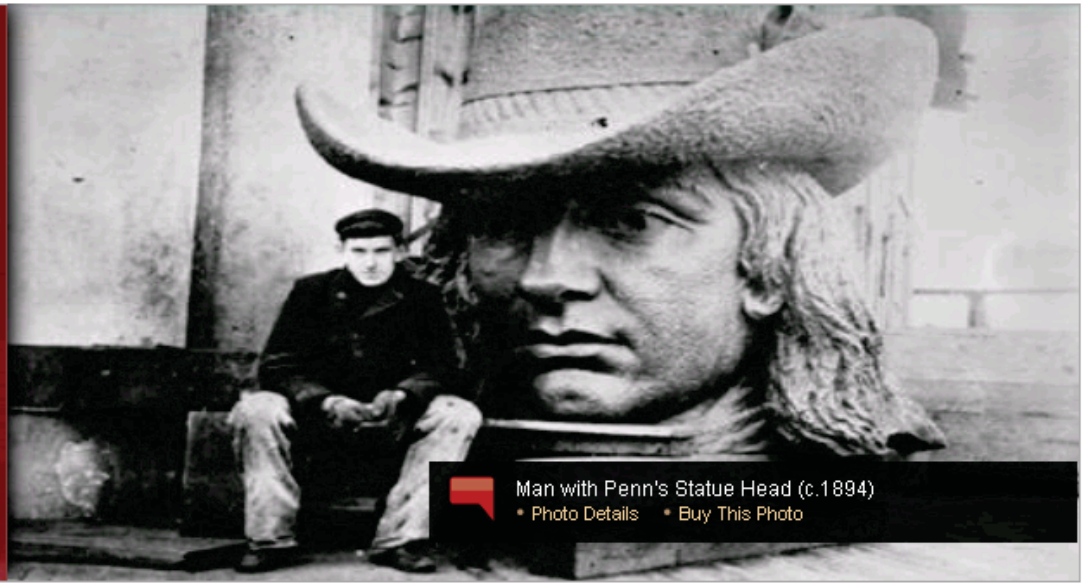

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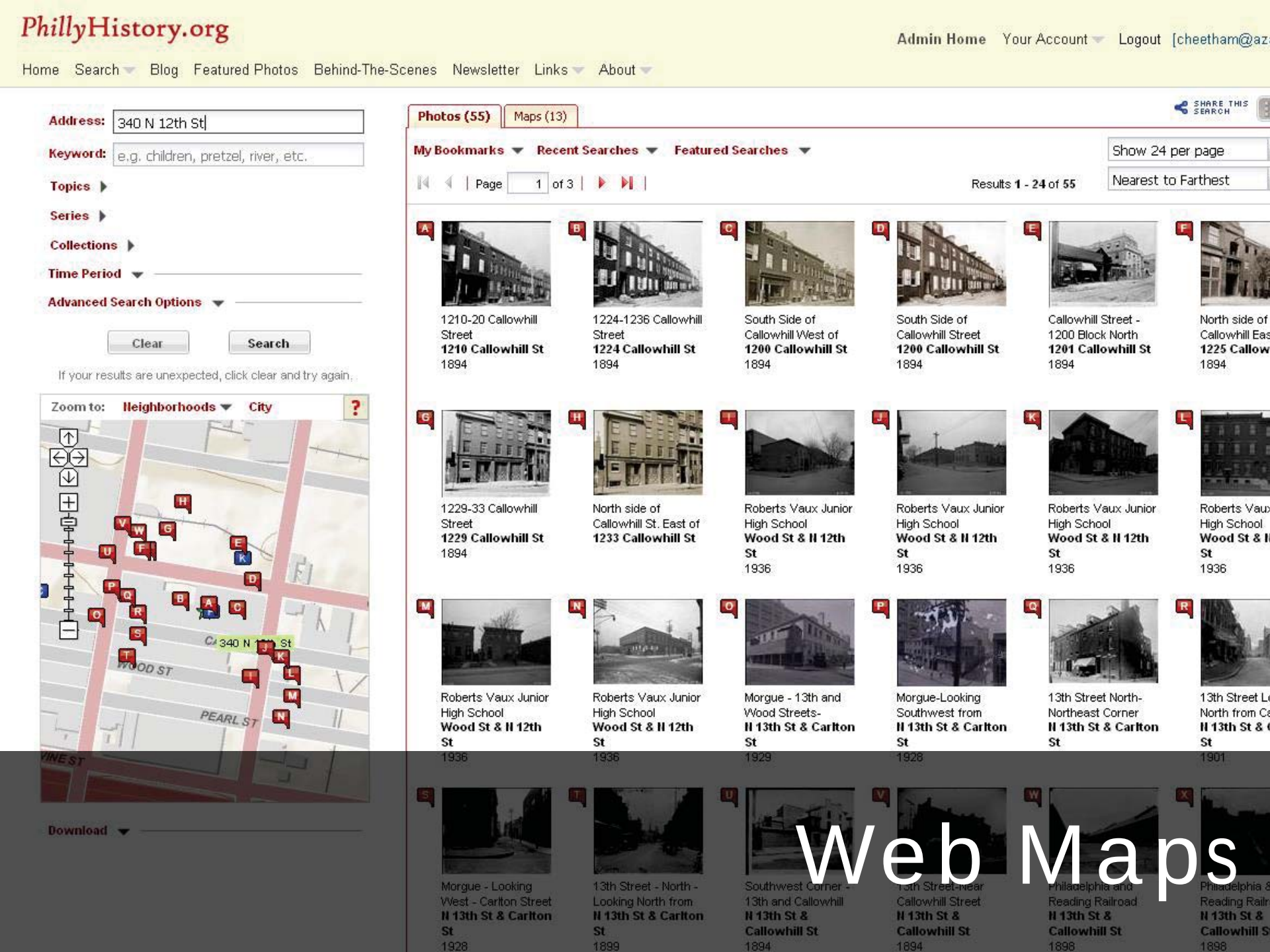
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Topics
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If your results are unexpected, click clear and try again.
Zoom to:
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Maps (13)
SHARE THIS SEARCH
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Featured Searches
Show 24 per page
Page 1 of 3
Results 1 - 24 of 55
Nearest to Farthest
1210-20 Callowhill Street
1210 Callowhill St
1894
1224-1236 Callowhill Street
1224 Callowhill St
1894
South Side of Callowhill West of
1200 Callowhill St
1894
South Side of Callowhill Street
1200 Callowhill St
1894
Callowhill Street - 1200 Block North
1201 Callowhill St
1894
1229-33 Callowhill Street
1229 Callowhill St
1894
North side of Callowhill St. East of
1233 Callowhill St
Roberts Vaux Junior High School
Wood St & N 12th St
1936
Roberts Vaux Junior High School
Wood St & N 12th St
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Wood St & N 12th St
1936
Roberts Vaux Junior High School
Wood St & N 12th St
1936
Roberts Vaux Junior High School
Wood St & N 12th St
1936
Morgue - 13th and Wood Streets-
N 13th St & Carlton St
1929
Morgue-Looking Southwest from
N 13th St & Carlton St
1928
13th Street North-Northeast Corner
N 13th St & Carlton St
Morgue - Looking West - Carlton Street
N 13th St & Carlton St
1928
13th Street - North - Looking North from
N 13th St & Carlton St
1899
Southwest Corner - 13th and Callowhill
N 13th St & Callowhill St
1894
13th Street-Near Callowhill Street
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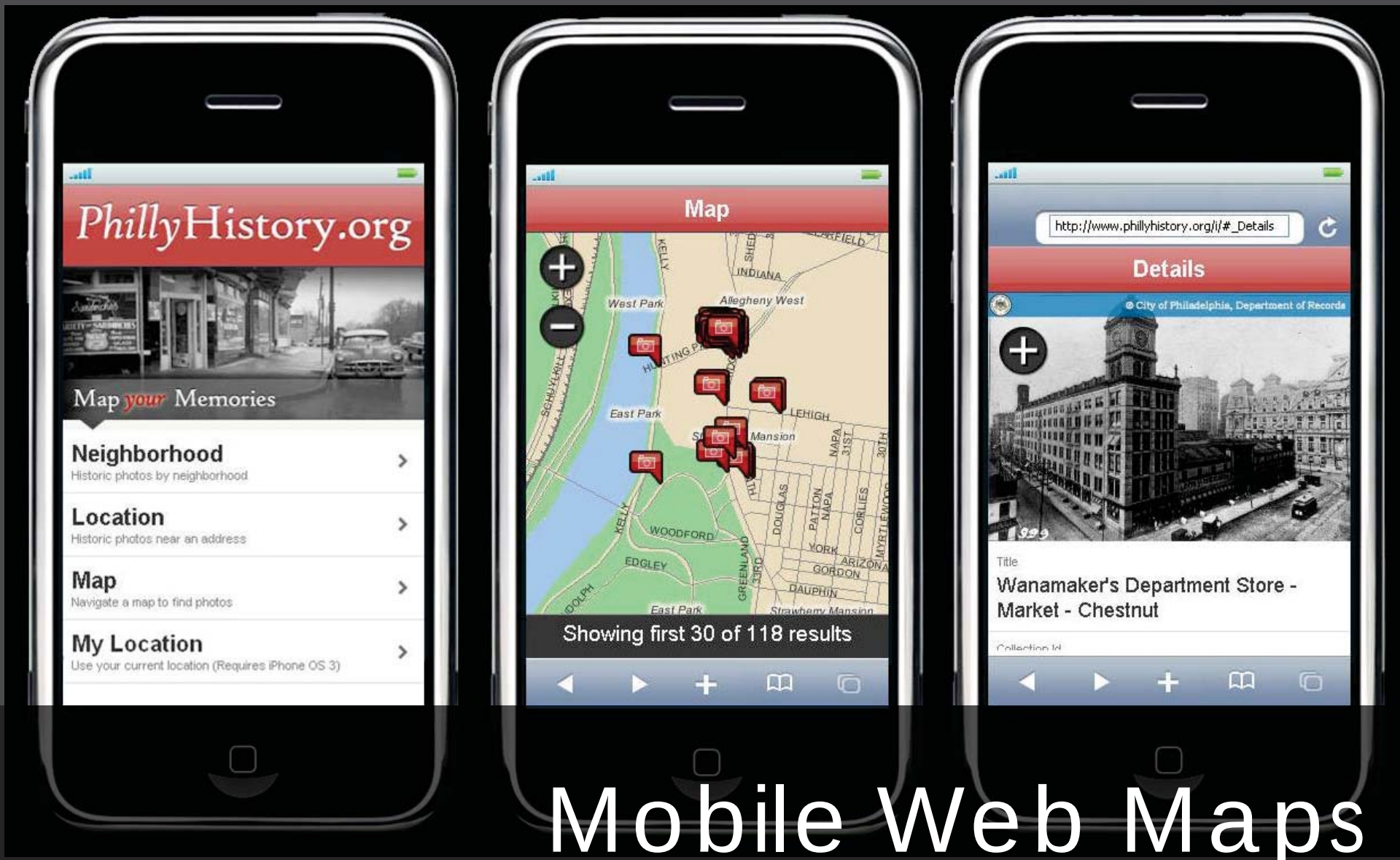
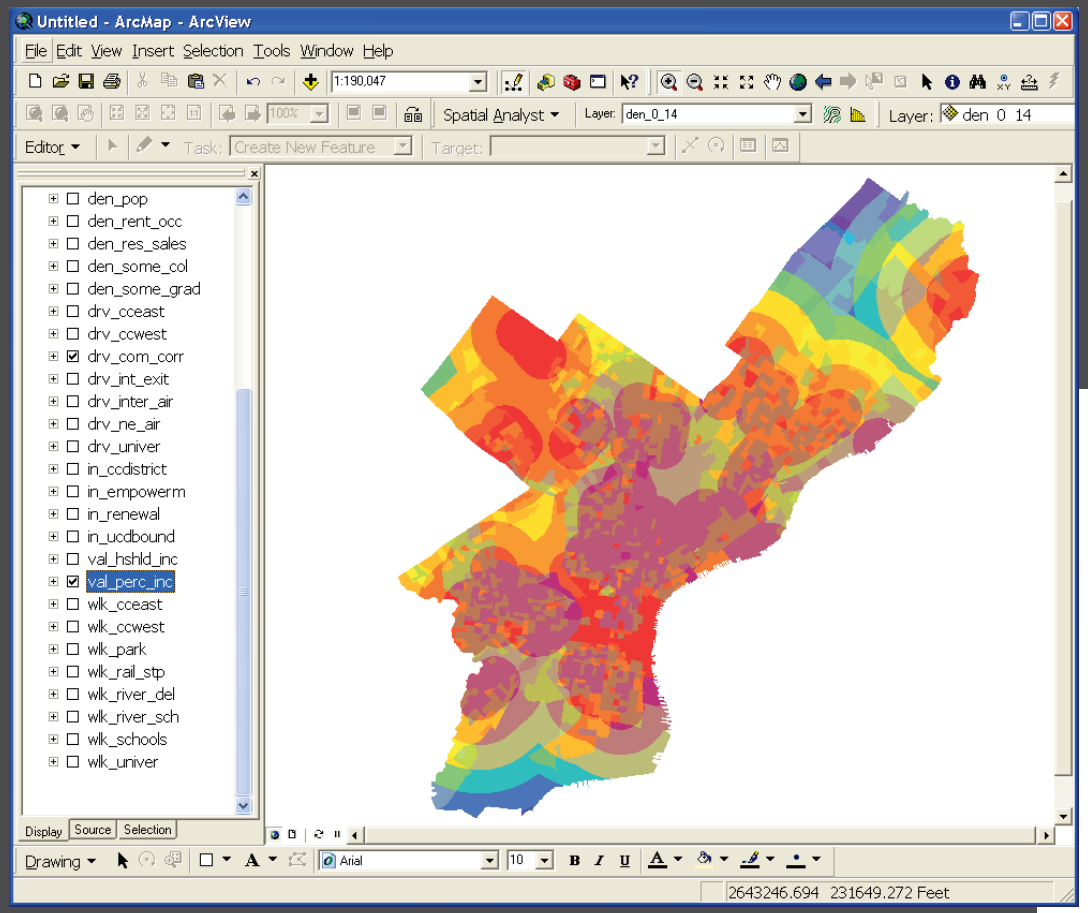
1894
Philadelphia and Reading Railroad
N 13th St & Callowhill St
1898
Web Maps



Mobile Web Maps

Augmented Reality, Mobile Web Maps

~~advanced~~
~~spatial analysis~~
~~on the web~~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drv_ne_air
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in_ccdistrict
in_empowerm
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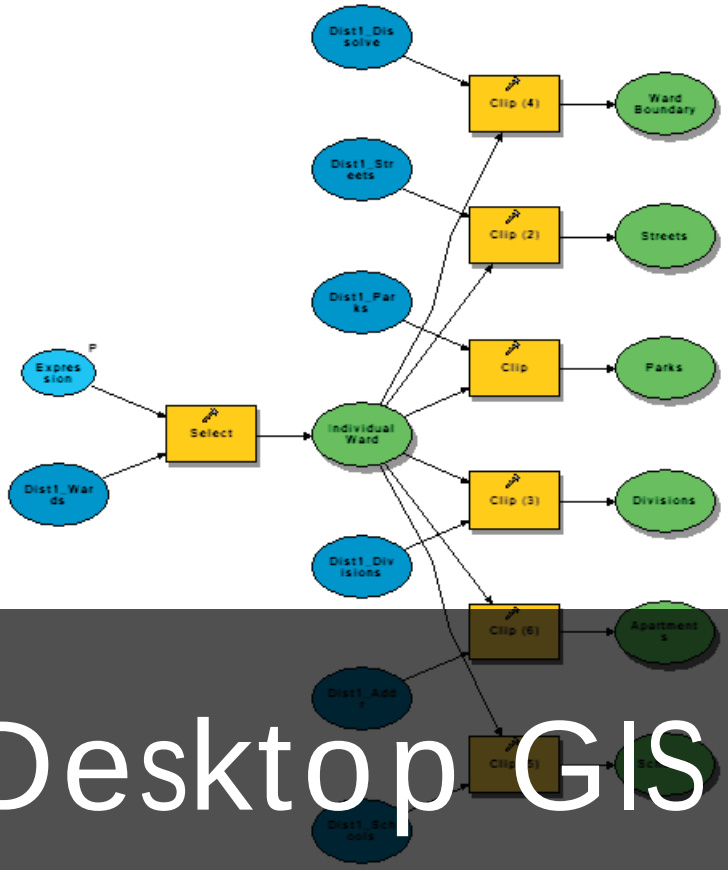
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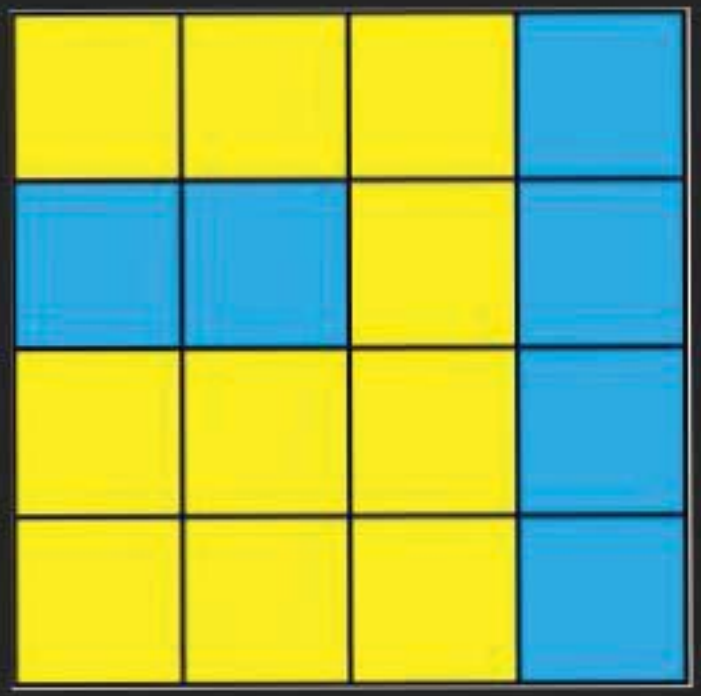
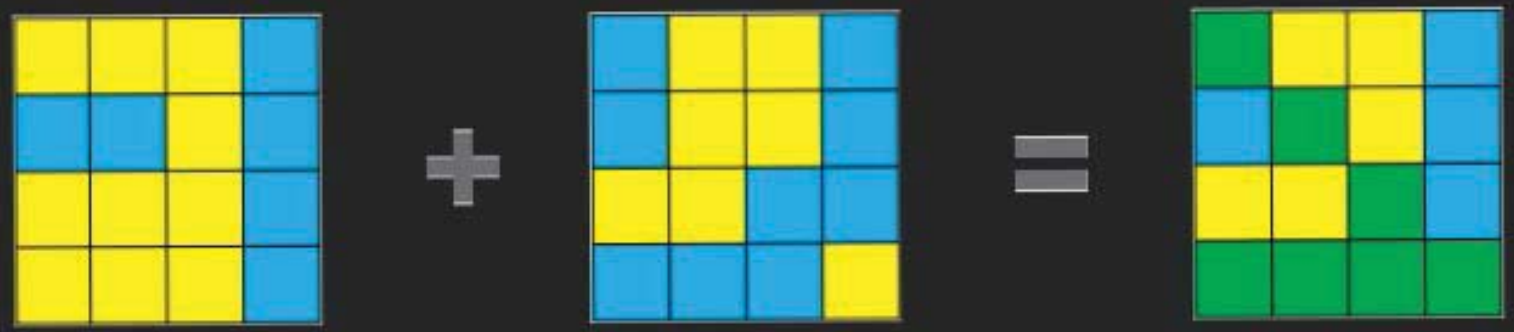
Desktop GIS

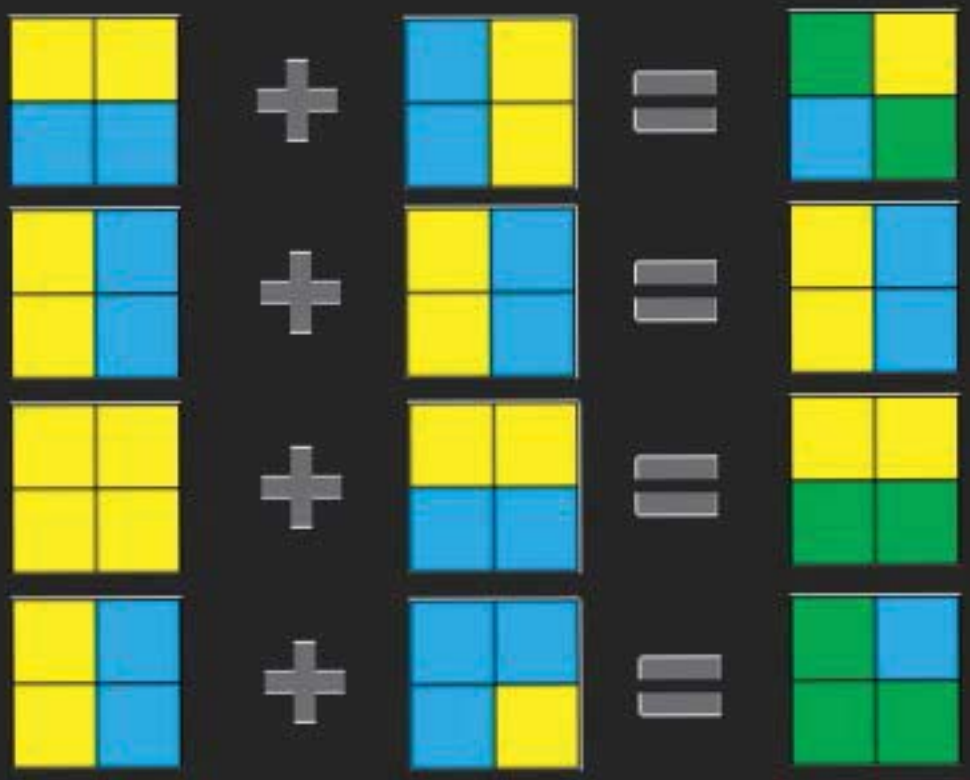
Performance

Scalability

Reason #1







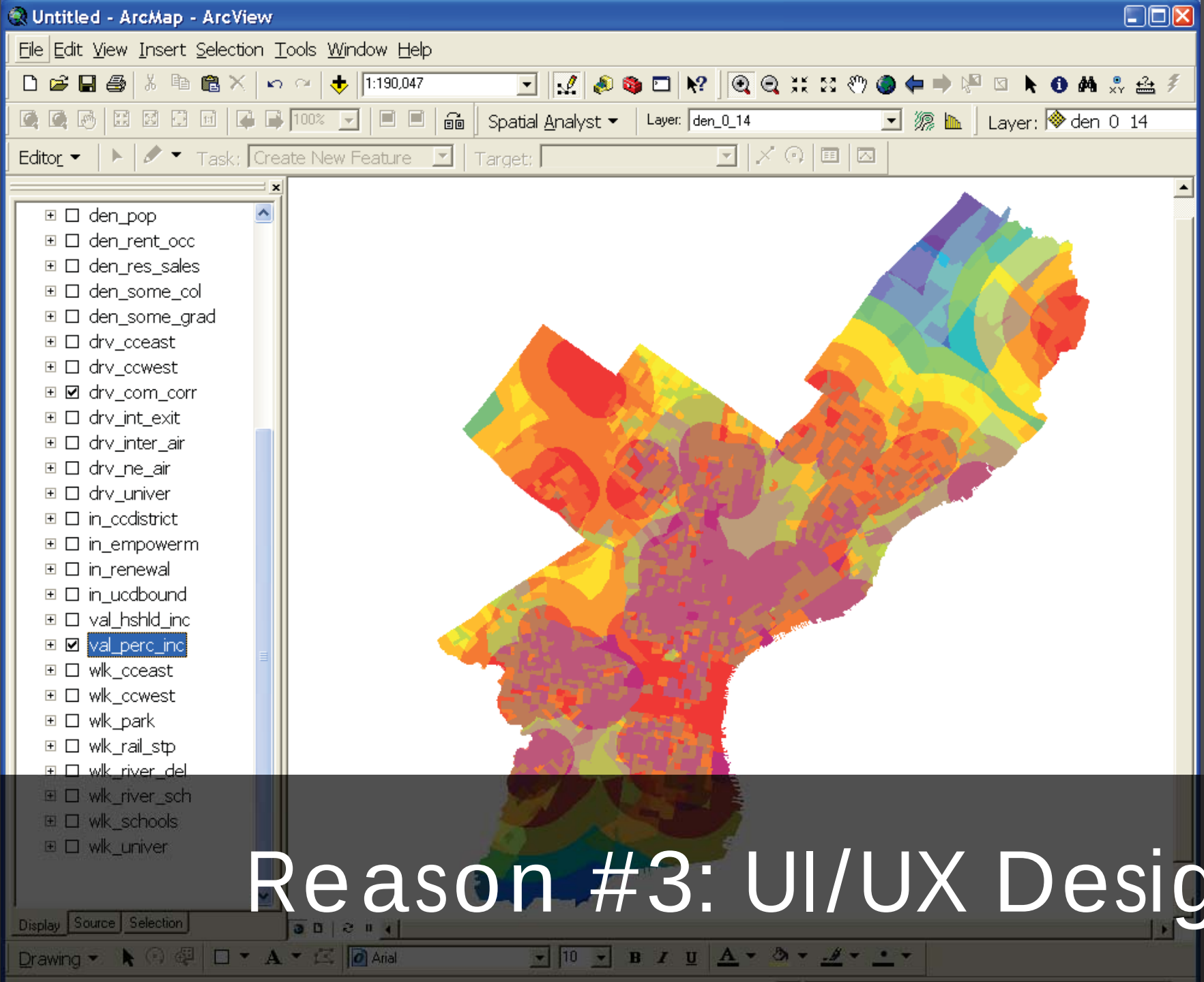
Reason #2: Large Data Sets

Big Data – Cities

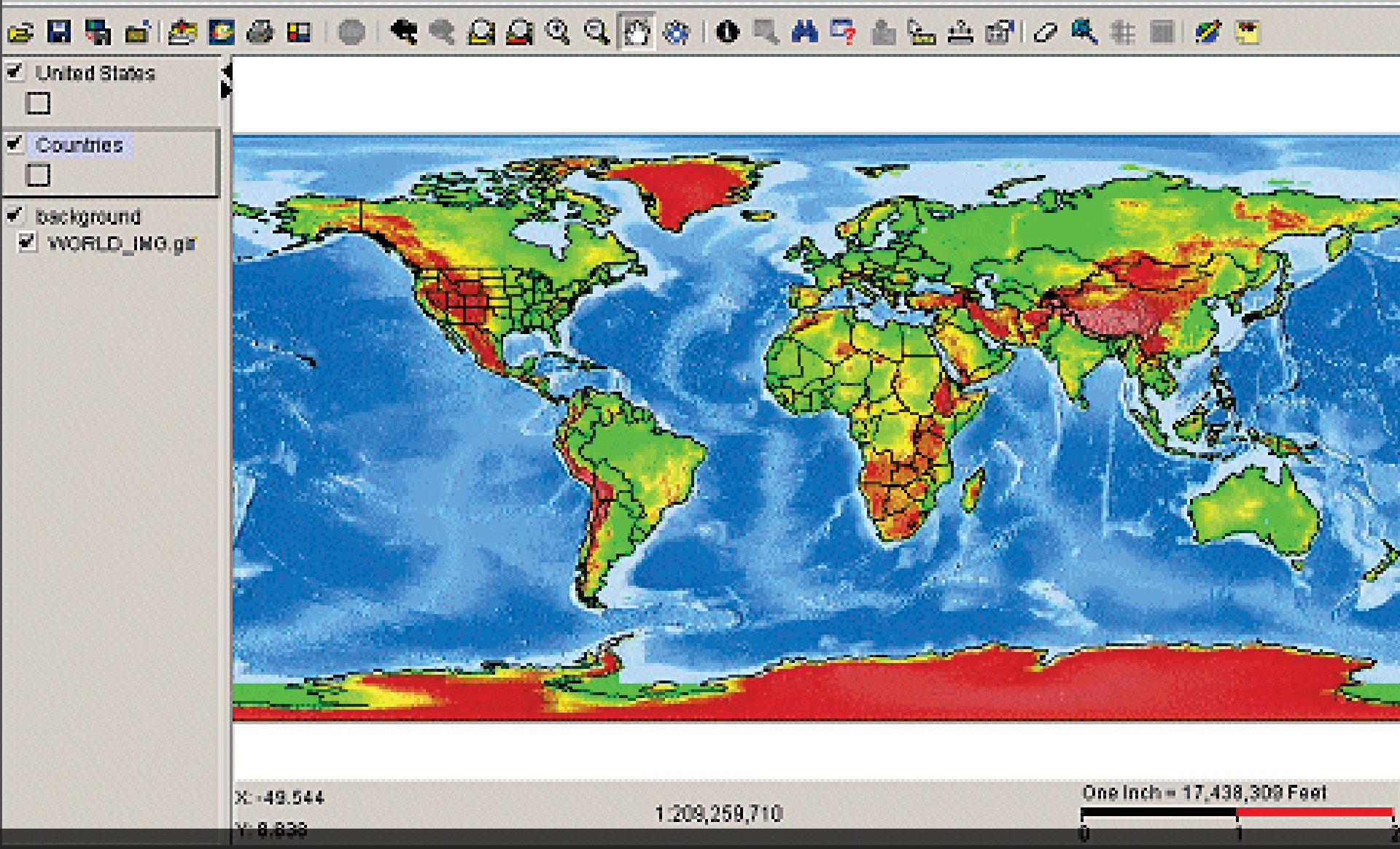
Big Data – Digital City

Big Data - Science

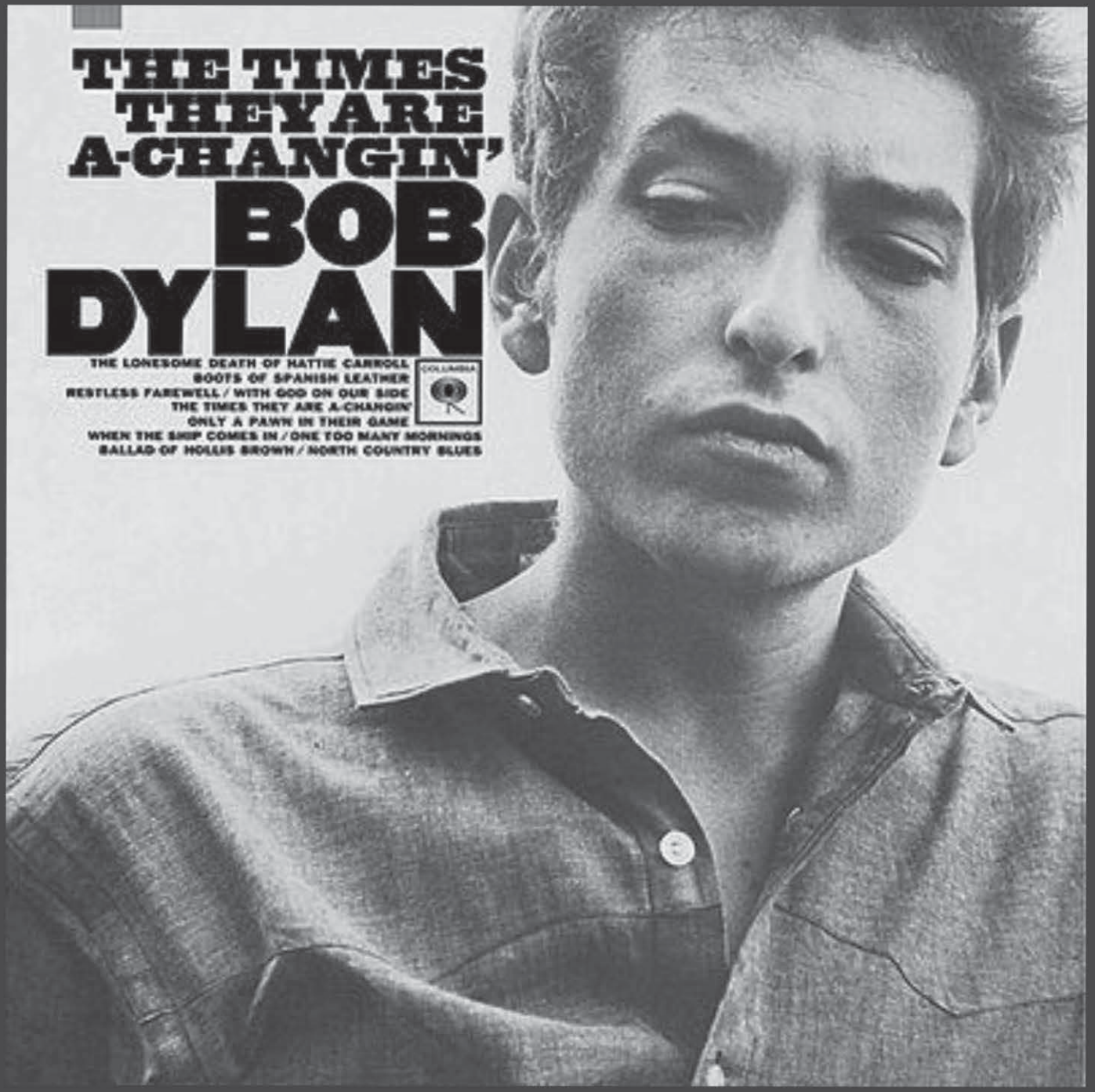
Big Data – Social Media

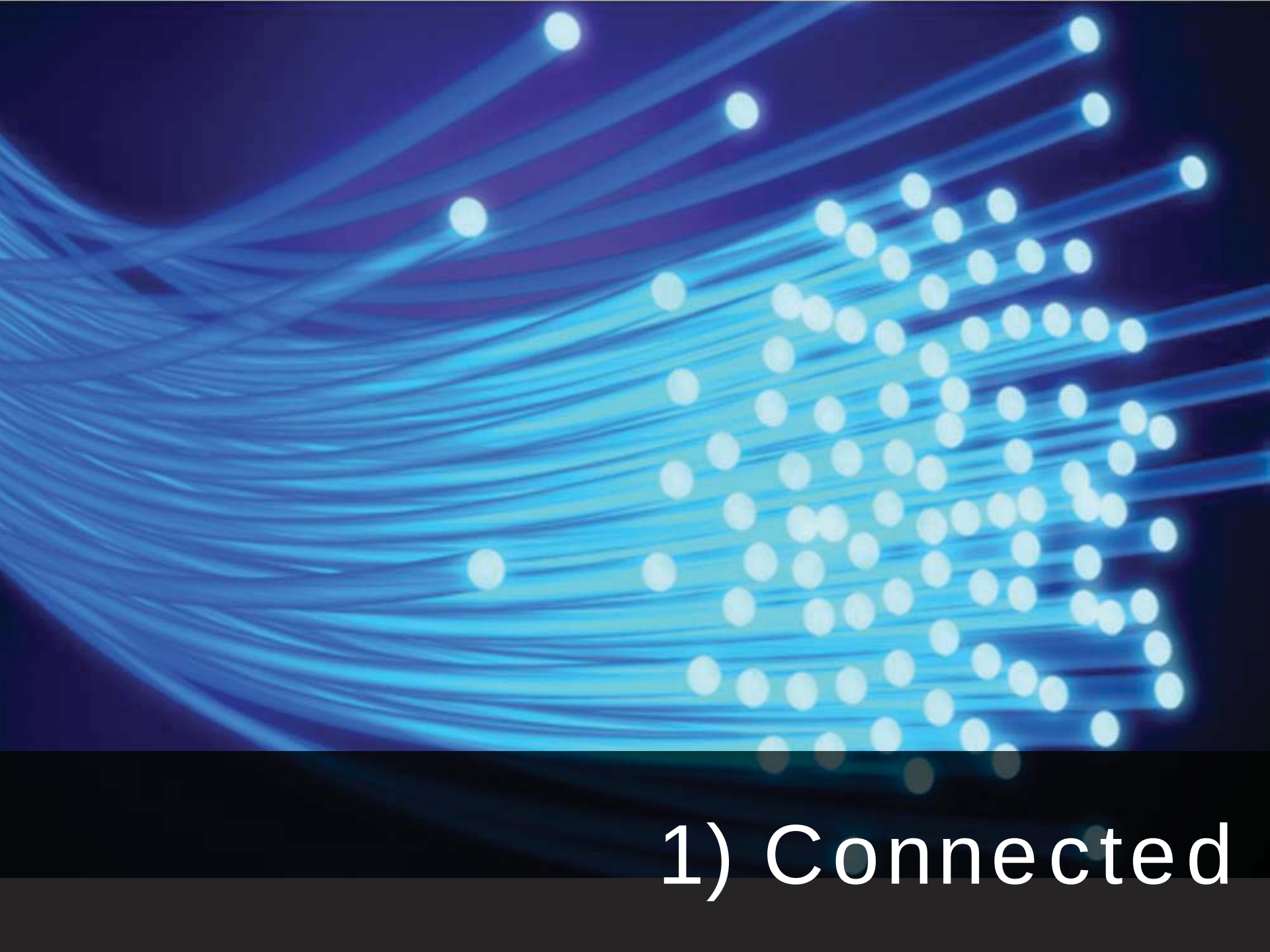


Reason #3: UI/UX Design



Reason #3: UI/UX Design


THE TIMES THEY ARE A-CHANGIN'
BOB DYLAN
THE LONESOME DEATH OF HATTIE CARROLL
BOOTS OF SPANISH LEATHER
RESTLESS FAREWELL / WITH GOD ON OUR SIDE
THE TIMES THEY ARE A-CHANGIN'
ONLY A PAWN IN THEIR GAME
WHEN THE SHIP COMES IN / ONE TOO MANY MORNINGS
BALLAD OF HOLLIS BROWN / NORTH COUNTRY BLUES
COLUMBIA



1) Connected

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2) Networked Collaboration

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arcgis-viewer-flex
ActionScript
Source code for ArcGIS Viewer for Flex - a great application framework for web applications.
101 ★ 113

esri-leaflet
JavaScript
A lightweight set of tools for working with ArcGIS services with Leaflet.
53 ★ 106

terraformer
JavaScript
A geometric toolkit for dealing with geometry, geography, formats, and building geo databases
33 ★ 95

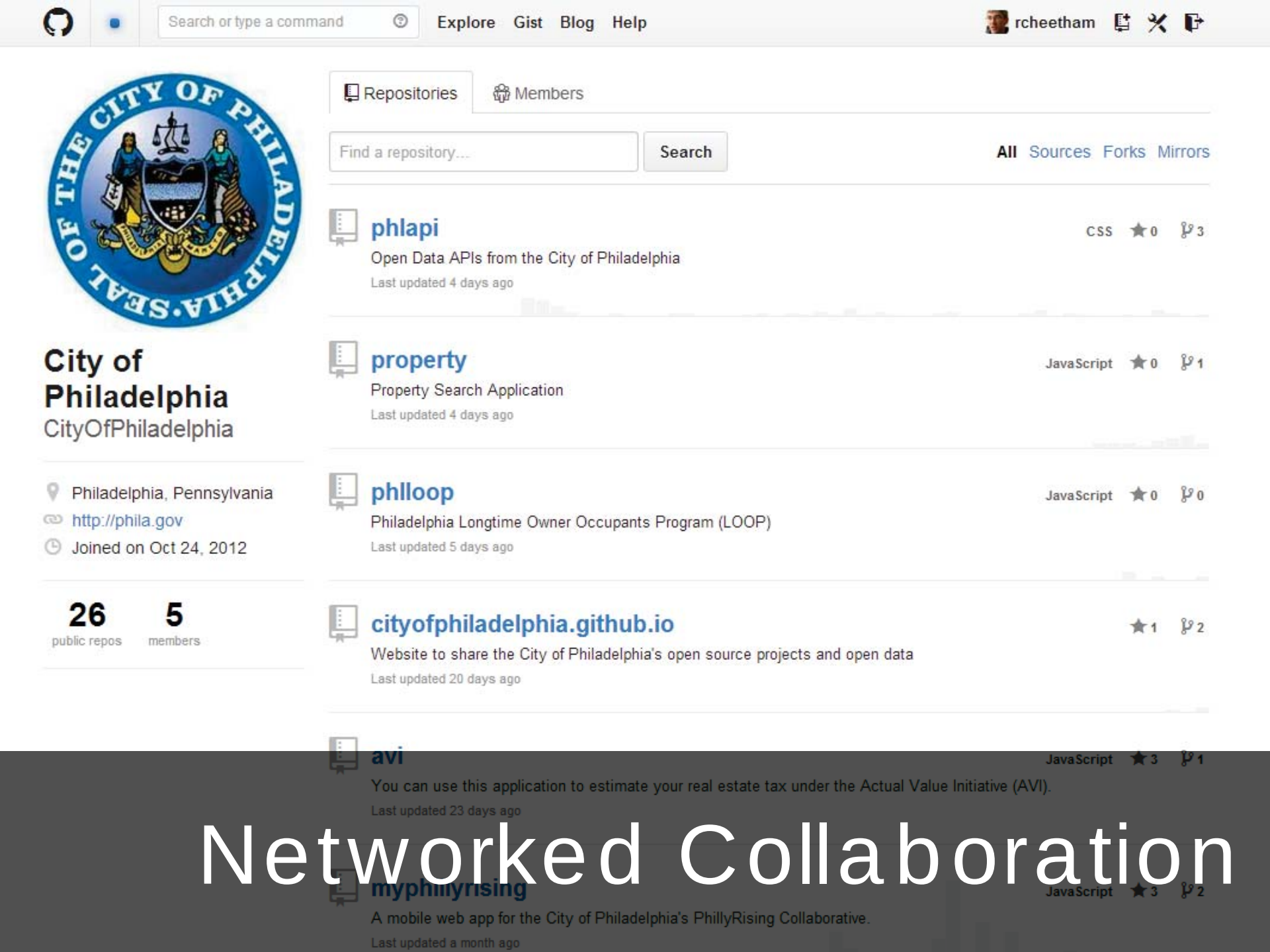
Networked Collaboration

gis-tools-for-hadoop

geometry-api-java
Java

geojson-utils

github.com/Esri/Terraformer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Members
Find a repository...
Search
All Sources Forks Mirrors
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Philadelphia, Pennsylvania
http://phila.gov
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avi
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myphillyrising
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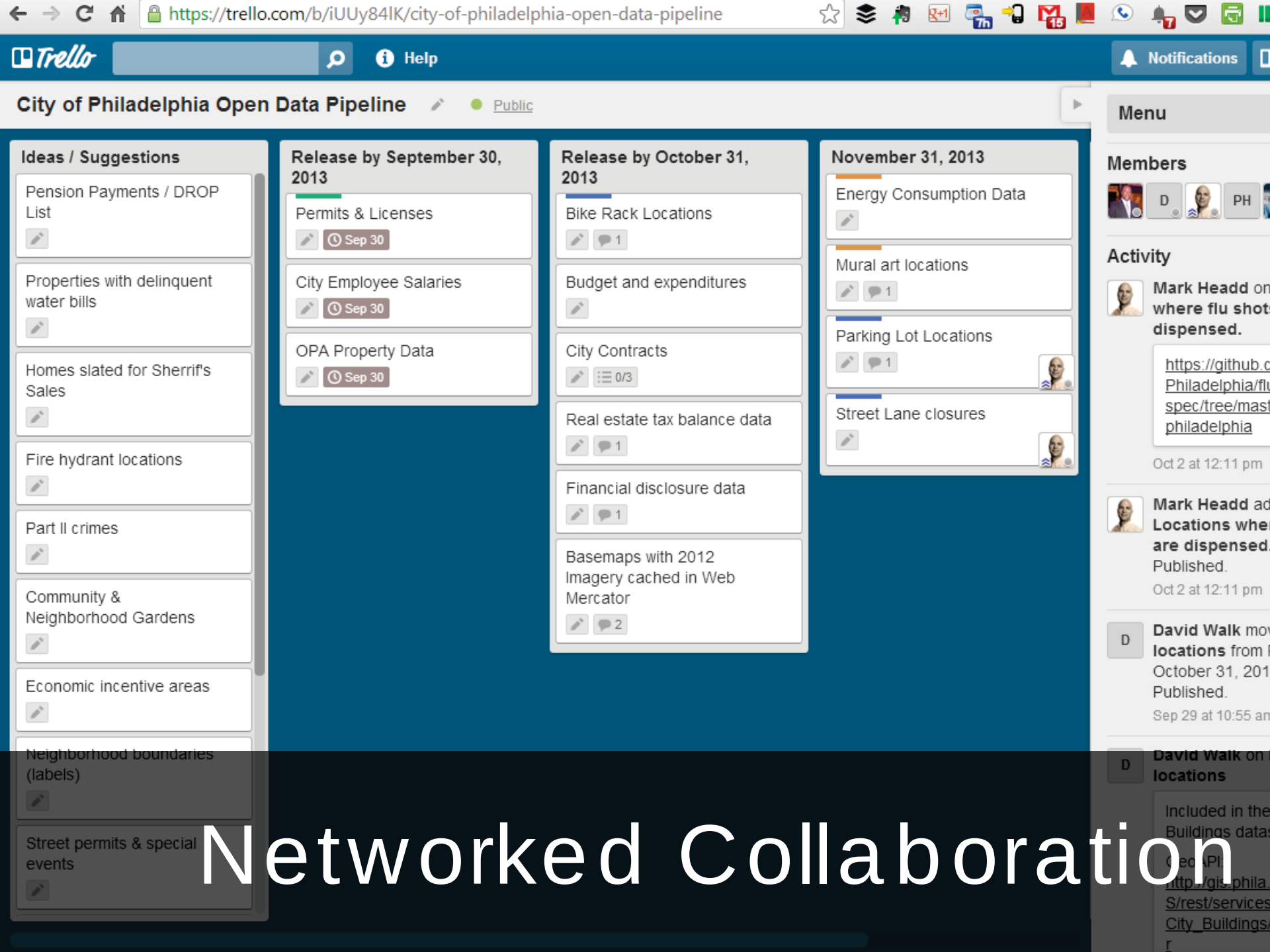
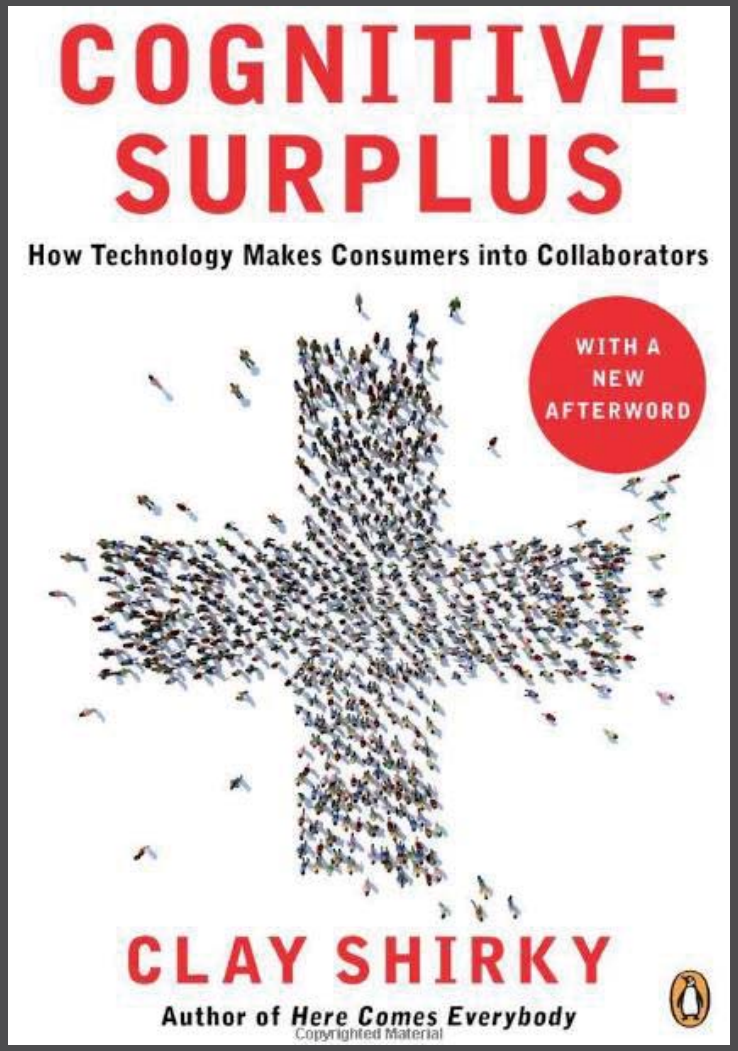
Networked Collaboration


https://trello.com/b/iUUy84lK/city-of-philadelphia-open-data-pipeline
Trello
Help
Notifications
City of Philadelphia Open Data Pipeline
Public
Menu
Members
Activity
Ideas / Suggestions
Pension Payments / DROP List
Properties with delinquent water bills
Homes slated for Sherrif's Sales
Fire hydrant locations
Part II crimes
Community & Neighborhood Gardens
Economic incentive areas
Neighborhood boundaries (labels)
Street permits & special events
Release by September 30, 2013
Permits & Licenses
Sep 30
City Employee Salaries
Sep 30
OPA Property Data
Sep 30
Release by October 31, 2013
Bike Rack Locations
Budget and expenditures
City Contracts
0/3
Real estate tax balance data
Financial disclosure data
Basemaps with 2012 Imagery cached in Web Mercator
2
November 31, 2013
Energy Consumption Data
Mural art locations
Parking Lot Locations
Street Lane closures
Mark Headd on where flu shots dispensed.
Oct 2 at 12:11 pm
Mark Headd ad Locations whe are dispensed.
Published.
Oct 2 at 12:11 pm
David Walk mo locations from
October 31, 201
Published.
Sep 29 at 10:55 an
David Walk on locations
Included in the Buildings data
Networked Collaboration

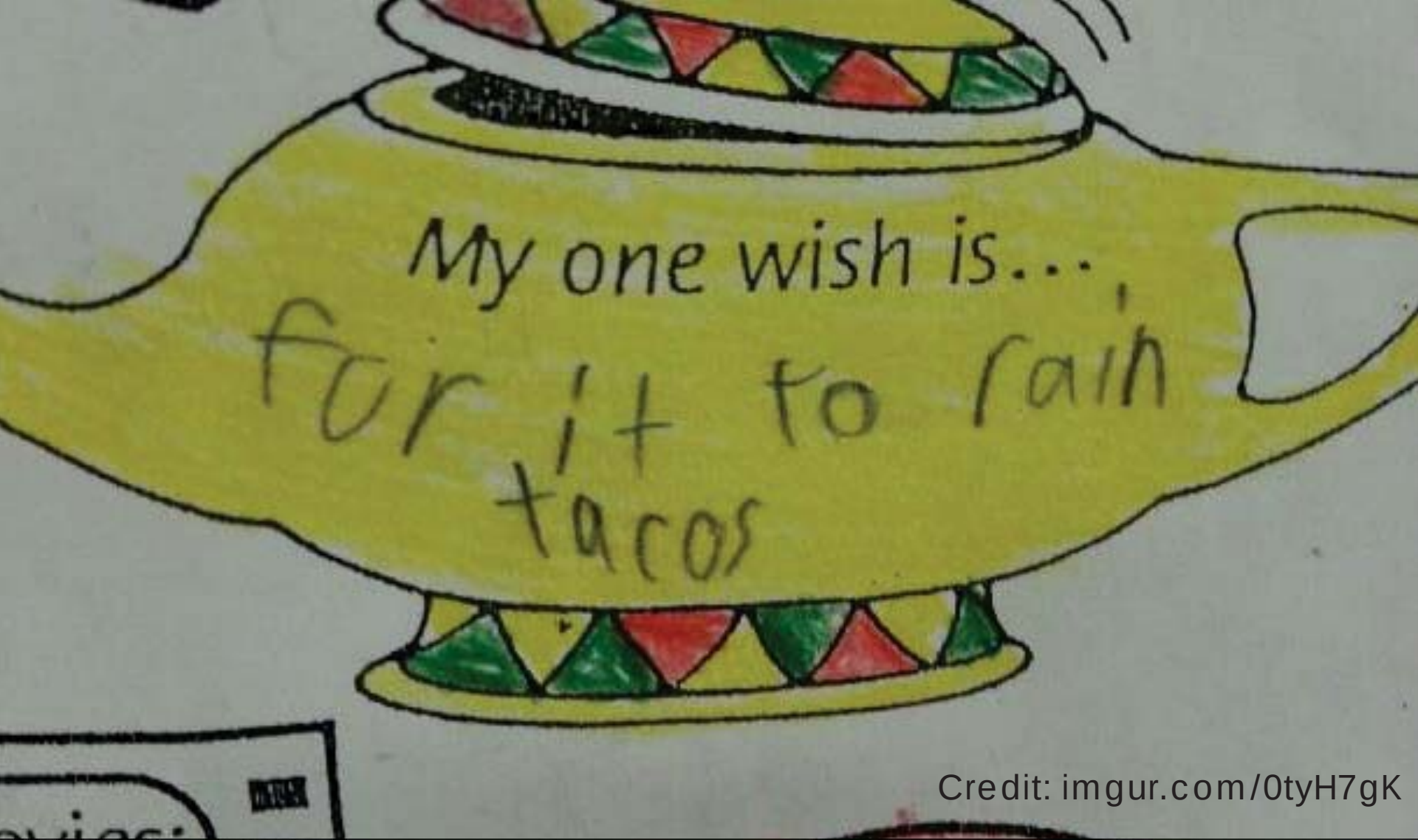
3) New Devices and Displays

New Devices and Displays



4) Cognitive Surplus

Cognitive Surplus



Credit: imgur.com/0tyH7gK

Cognitive Surplus

Cognitive Surplus

Cognitive Surplus

Cognitive Surplus

Photo: PlanPhilly.com
Cognitive Surplus

5) New Infrastructure

New Infrastructure

INTRO | VISION | TEAM | MISSIONS | CONTACT

OPEN DATA ABOUT OUR CHANGING PLANET

PLANET LABS

MOTIVATION

We want to help people understand the planet and make better decisions. By giving people a view of the Earth in near real-time, we intend to spur people, companies, and governments to action. Planet Labs will be providing an entirely new data set -- unprecedented coverage and frequent imagery of the planet. This new information will inform future humanitarian, ecological and commercial endeavors.

The Blue Marble is a photograph of Earth taken by Apollo 17 astronauts in 1972 and is credited with popularizing the environmental movement. What the Blue Marble did for global awareness, Planet Labs will do for global action.

PRINCIPLES

Do Good.

We are a purpose-driven company and we care deeply about positive impact through the use of information and space technologies. In addition to creating value for our

New Infrastructure

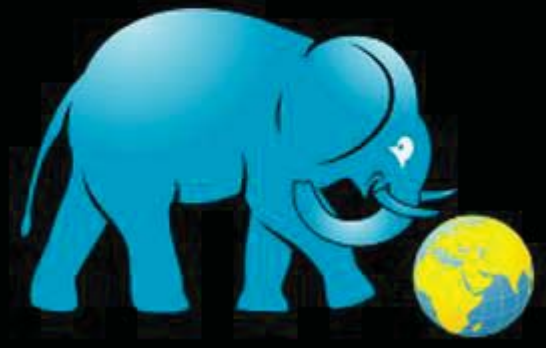
6) New Languages / Methods

New Languages / Methods

GeoTrellis

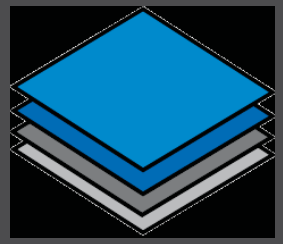
SpatialHadoop

A MapReduce Framework for Spatial Data

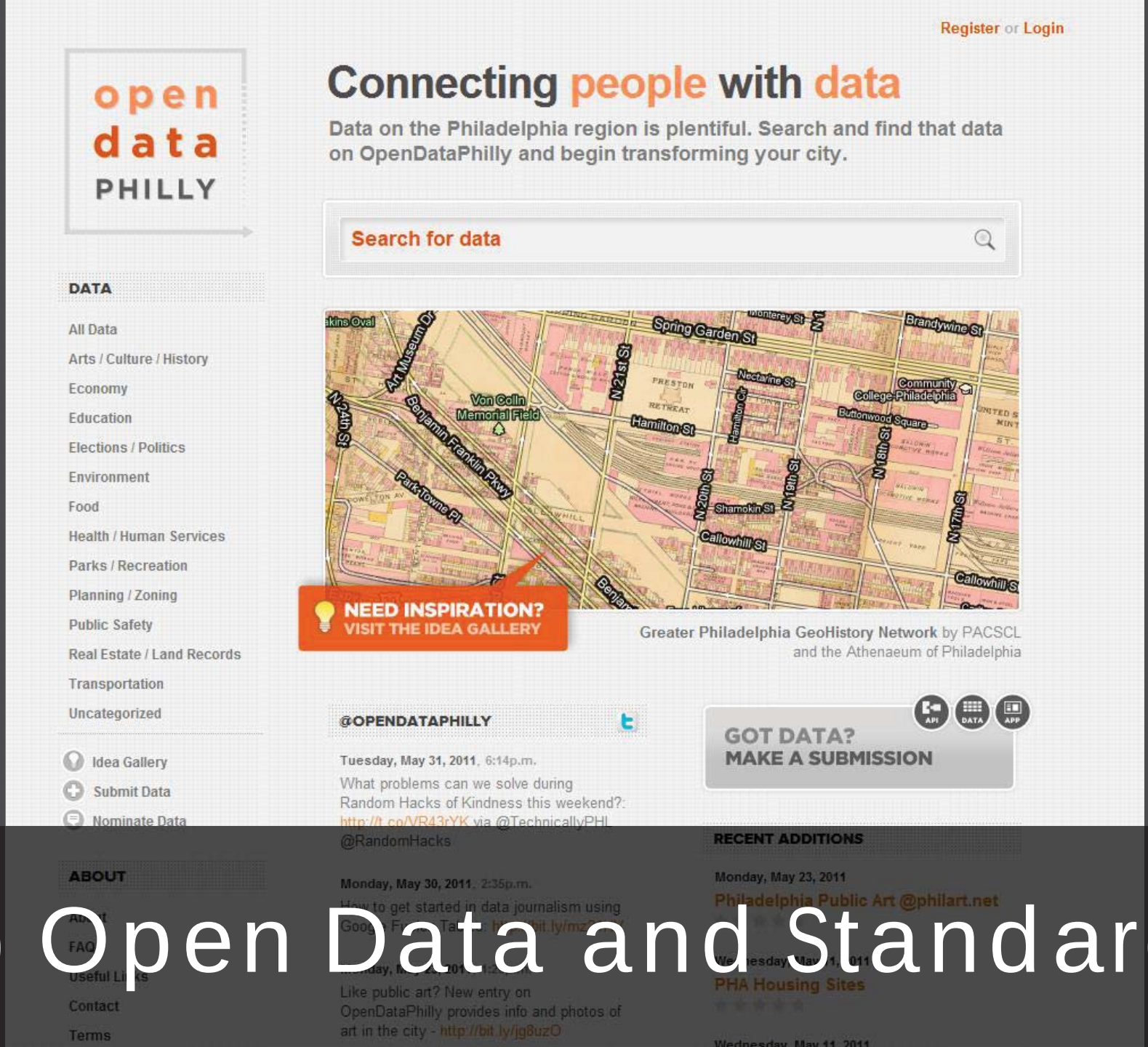


geomesa

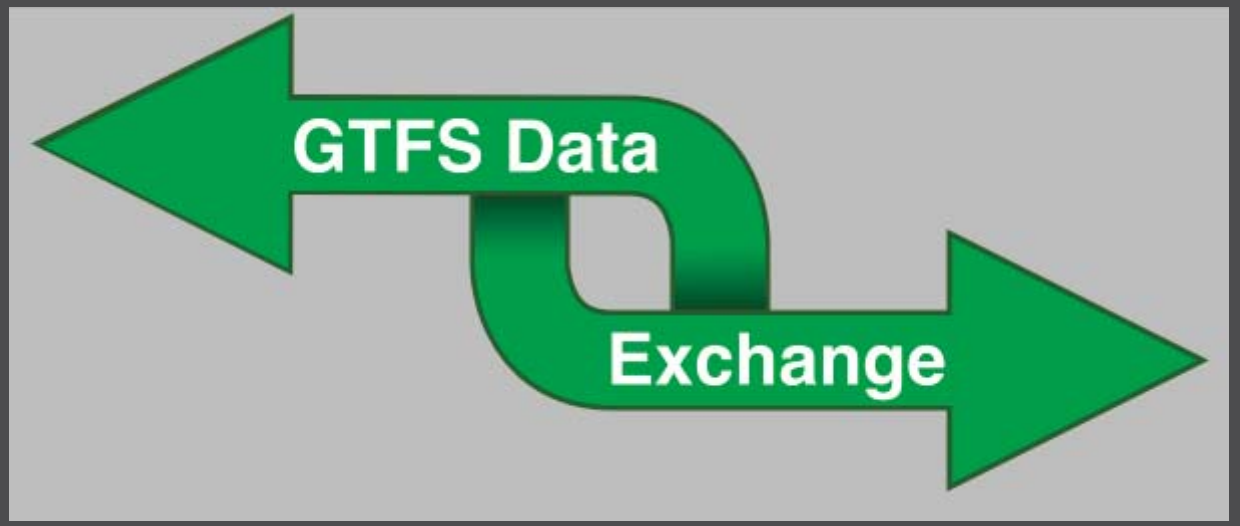
New Languages / Methods



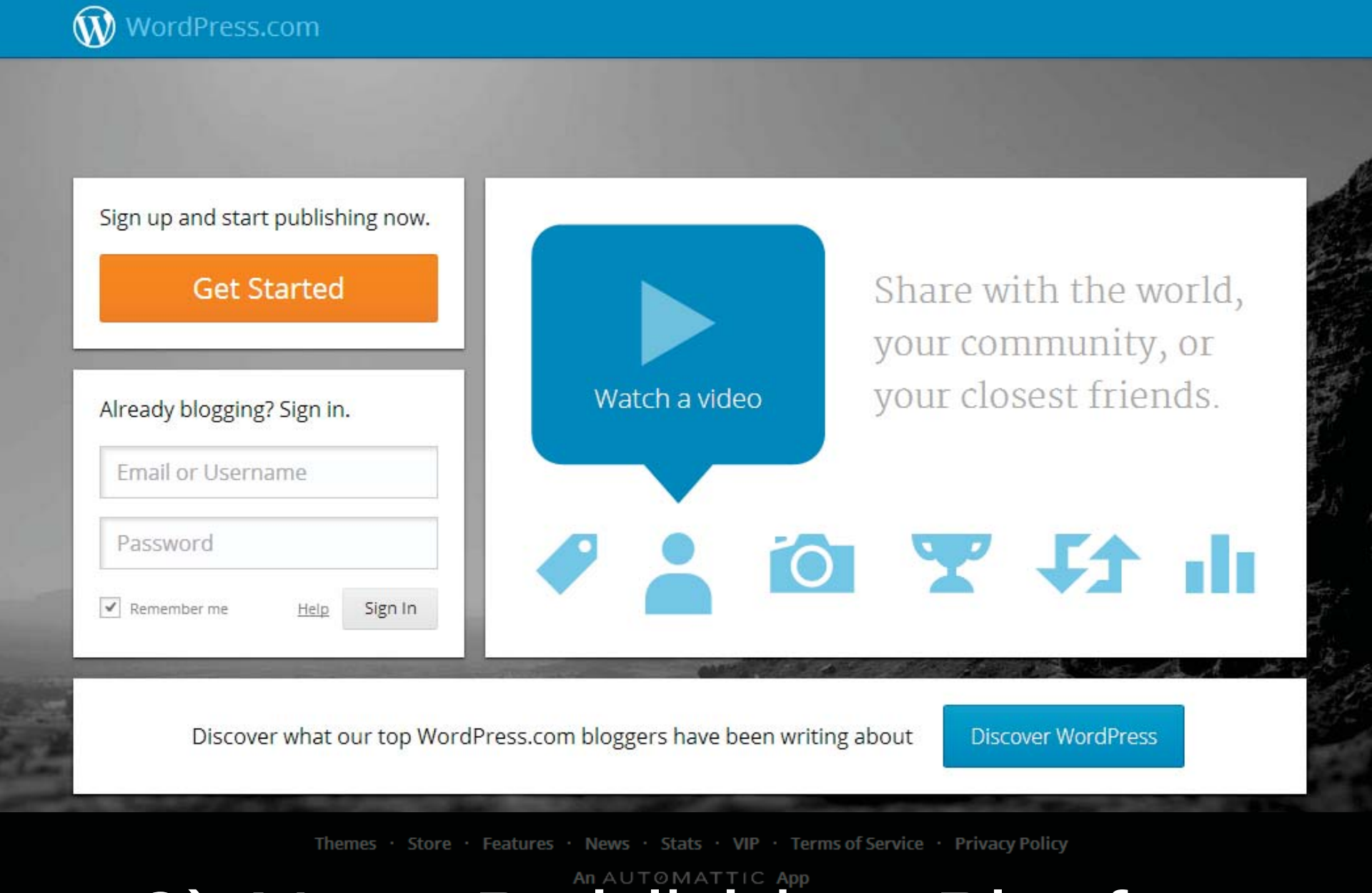
7) Open Source



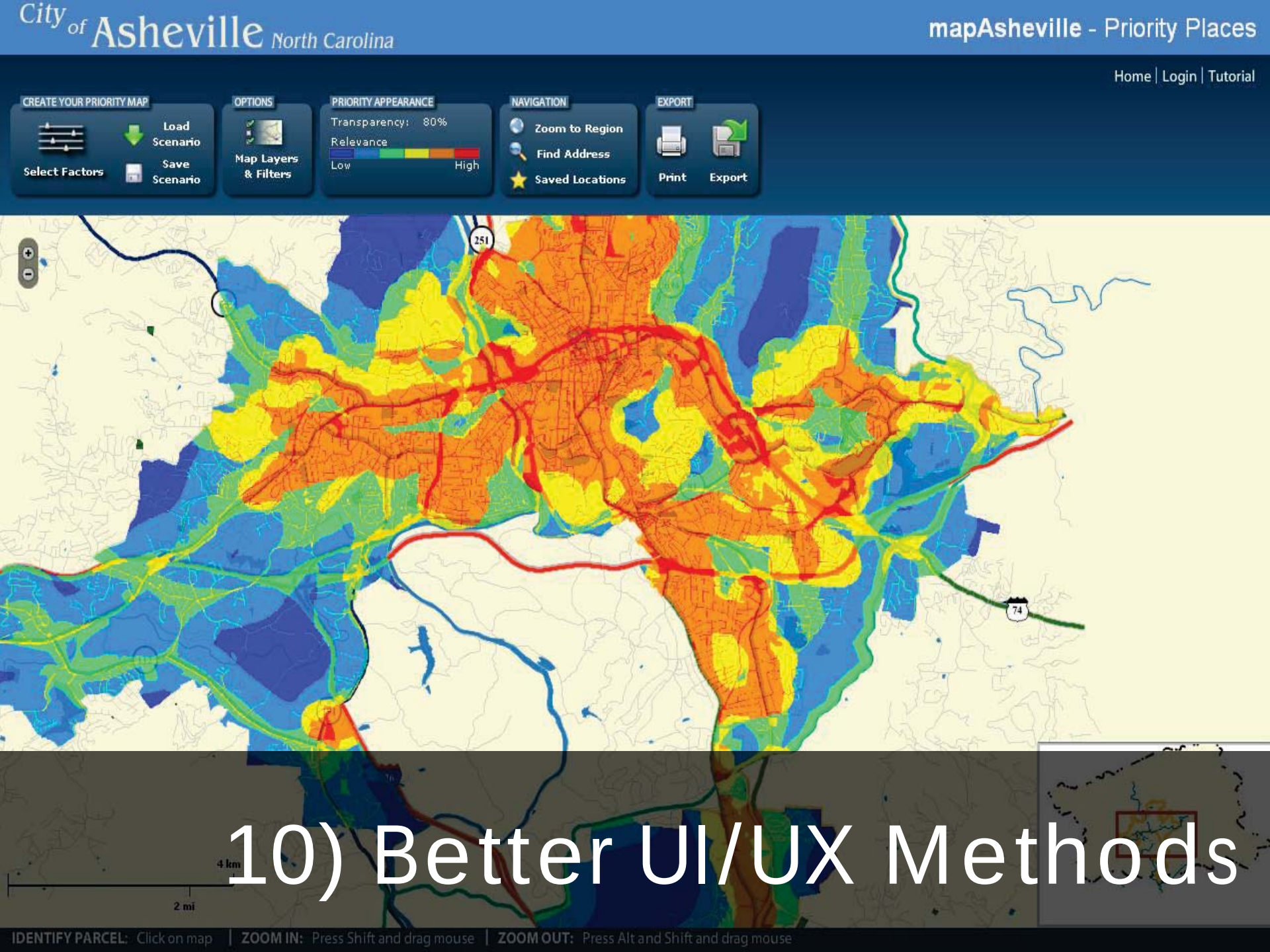
8) Open Data and Standards



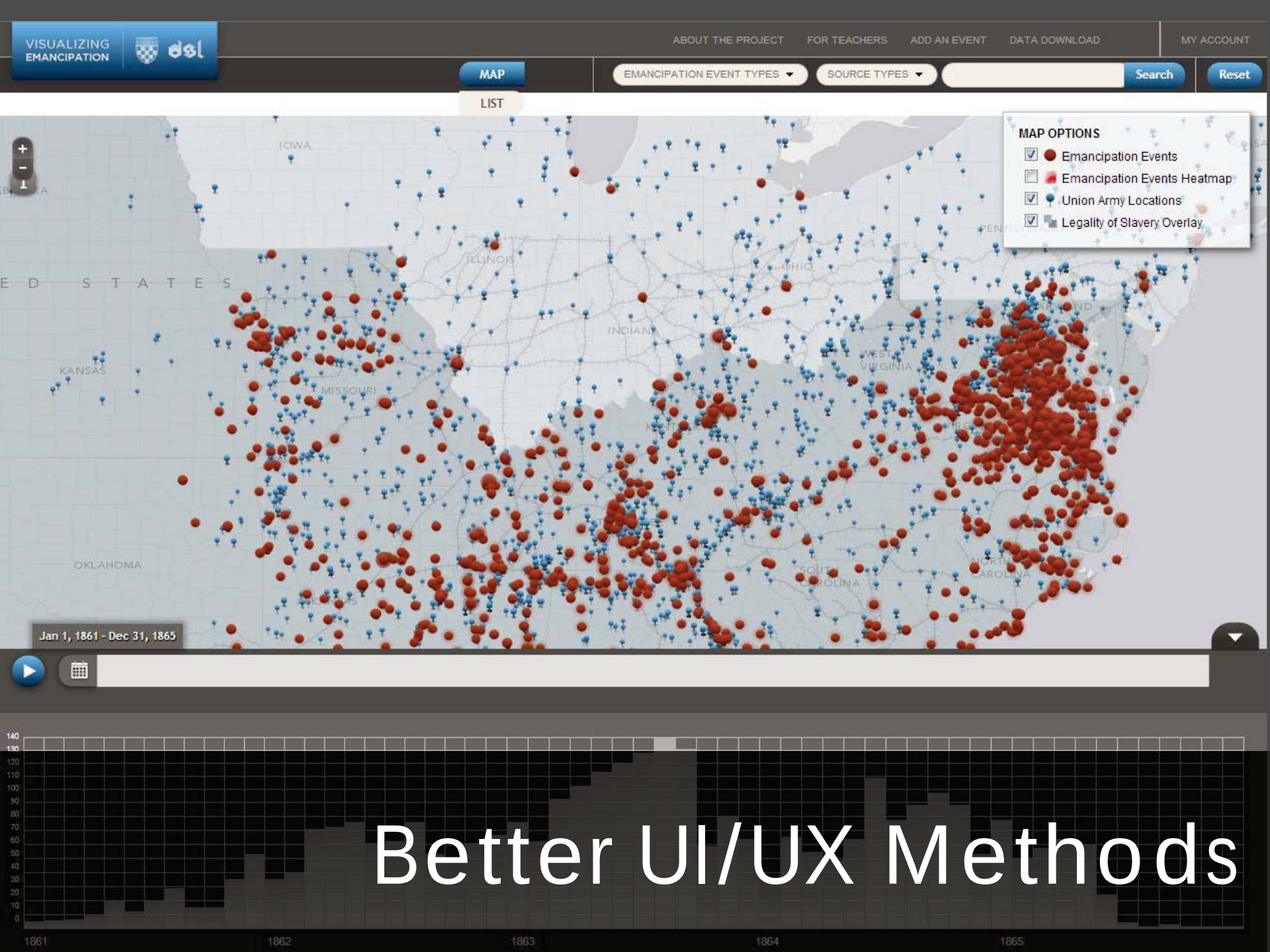
Open Data and Standards



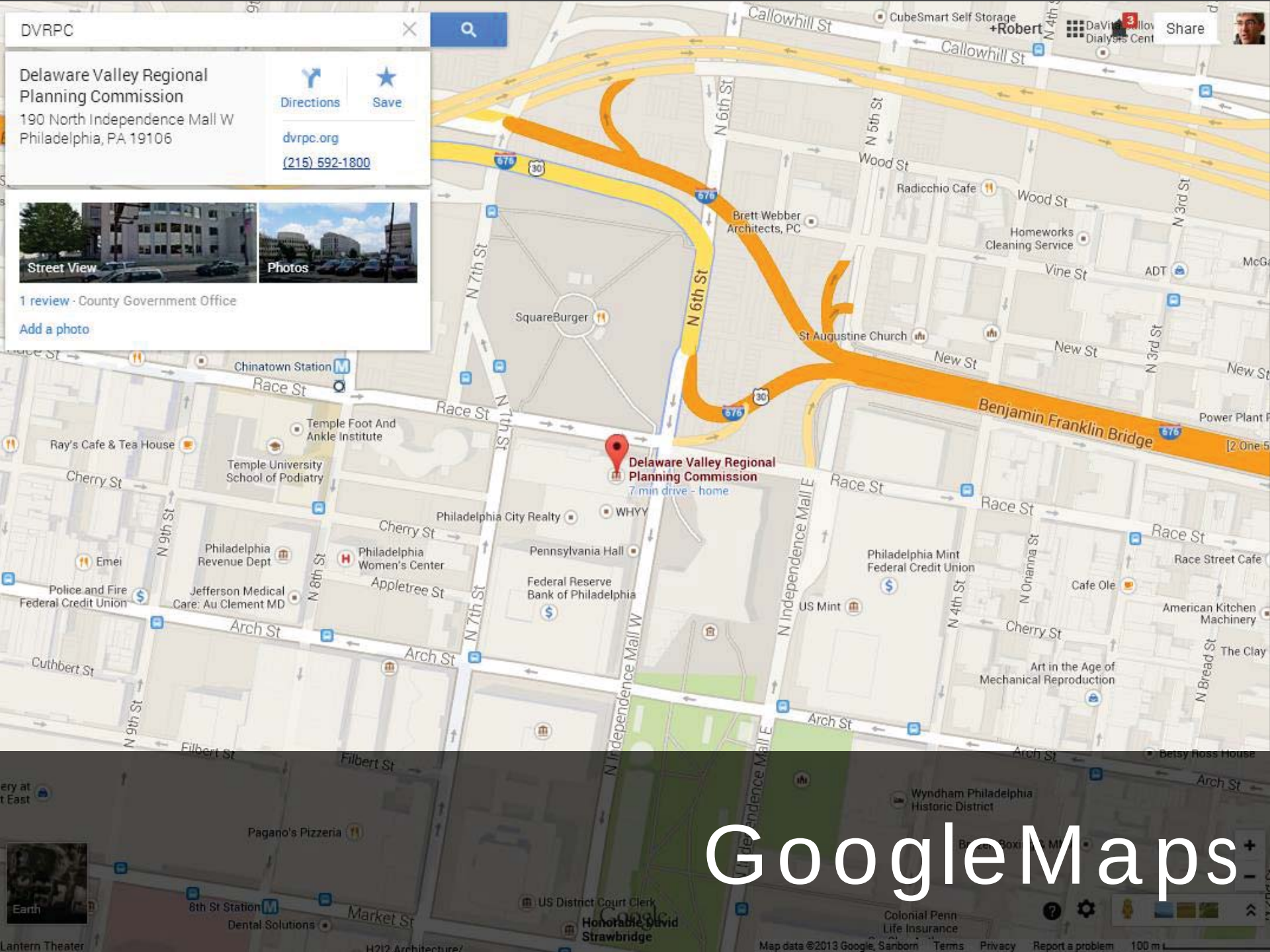
9) New Publishing Platforms



10) Better UI/UX Methods


VISUALIZING EMANCIPATION
dsl
ABOUT THE PROJECT
FOR TEACHERS
ADD AN EVENT
DATA DOWNLOAD
MY ACCOUNT
MAP
LIST
EMANCIPATION EVENT TYPES
SOURCE TYPES
Search
Reset
MAP OPTIONS
Emancipation Events
Emancipation Events Heatmap
Union Army Locations
Legality of Slavery Overlay
IOWA
ILLINOIS
INDIANA
OHIO
KANSAS
MISSOURI
OKLAHOMA
Jan 1, 1861 - Dec 31, 1865
1861
1862
1863
1864
1865
Better UI/UX Methods

What have we wrought so far?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Delaware Valley Regional Planning Commission
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dvrpc.org
(215) 592-1800
Street View
Photos
1 review · County Government Office
Add a photo
Share
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N 6th St
N 5th St
Wood St
N 3rd St
Radicchio Cafe
Brett Webber Architects, PC
Homeworks Cleaning Service
Vine St
ADT
N 7th St
SquareBurger
St Augustine Church
New St
Chinatown Station
Race St
Benjamin Franklin Bridge
Temple Foot And Ankle Institute
Ray's Cafe & Tea House
Temple University School of Podiatry
Delaware Valley Regional Planning Commission
7 min drive - home
Cherry St
Philadelphia City Realty
WHYY
N 9th St
Philadelphia Revenue Dept
Philadelphia Women's Center
Pennsylvania Hall
Philadelphia Mint Federal Credit Union
Race Street Cafe
Emei
Police and Fire Federal Credit Union
Jefferson Medical Care: Au Clement MD
Appletree St
Federal Reserve Bank of Philadelphia
N Independence Mall W
N Independence Mall E
US Mint
Cafe Ole
American Kitchen Machinery
Arch St
Cuthbert St
Art in the Age of Mechanical Reproduction
The Clay
Filbert St
Wyndham Philadelphia Historic District
Pagano's Pizzeria
8th St Station
Dental Solutions
Market St
US District Court Clerk
Honorable David Strawbridge
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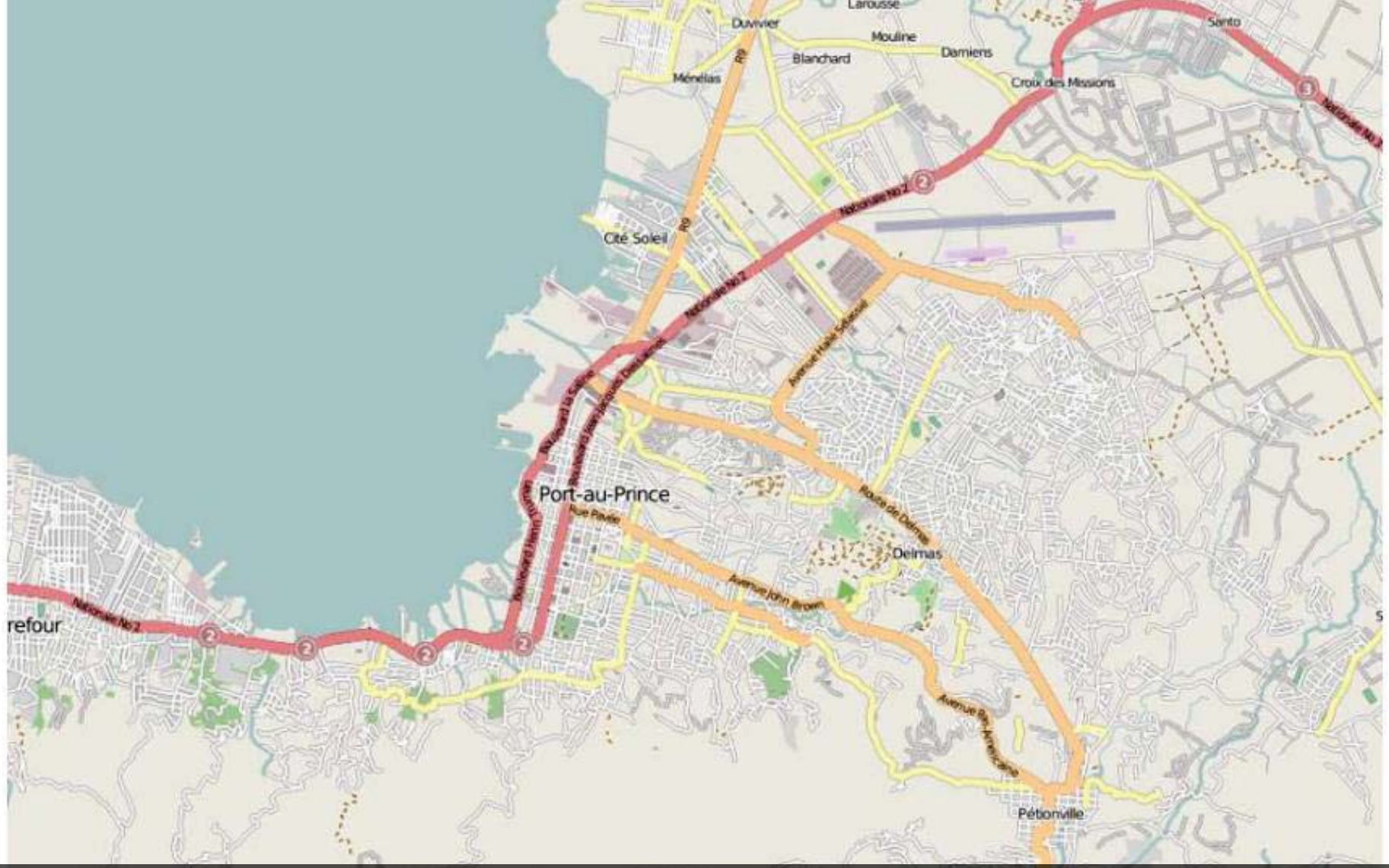
ArcGIS Online

Cognitive Surplus for Mappers

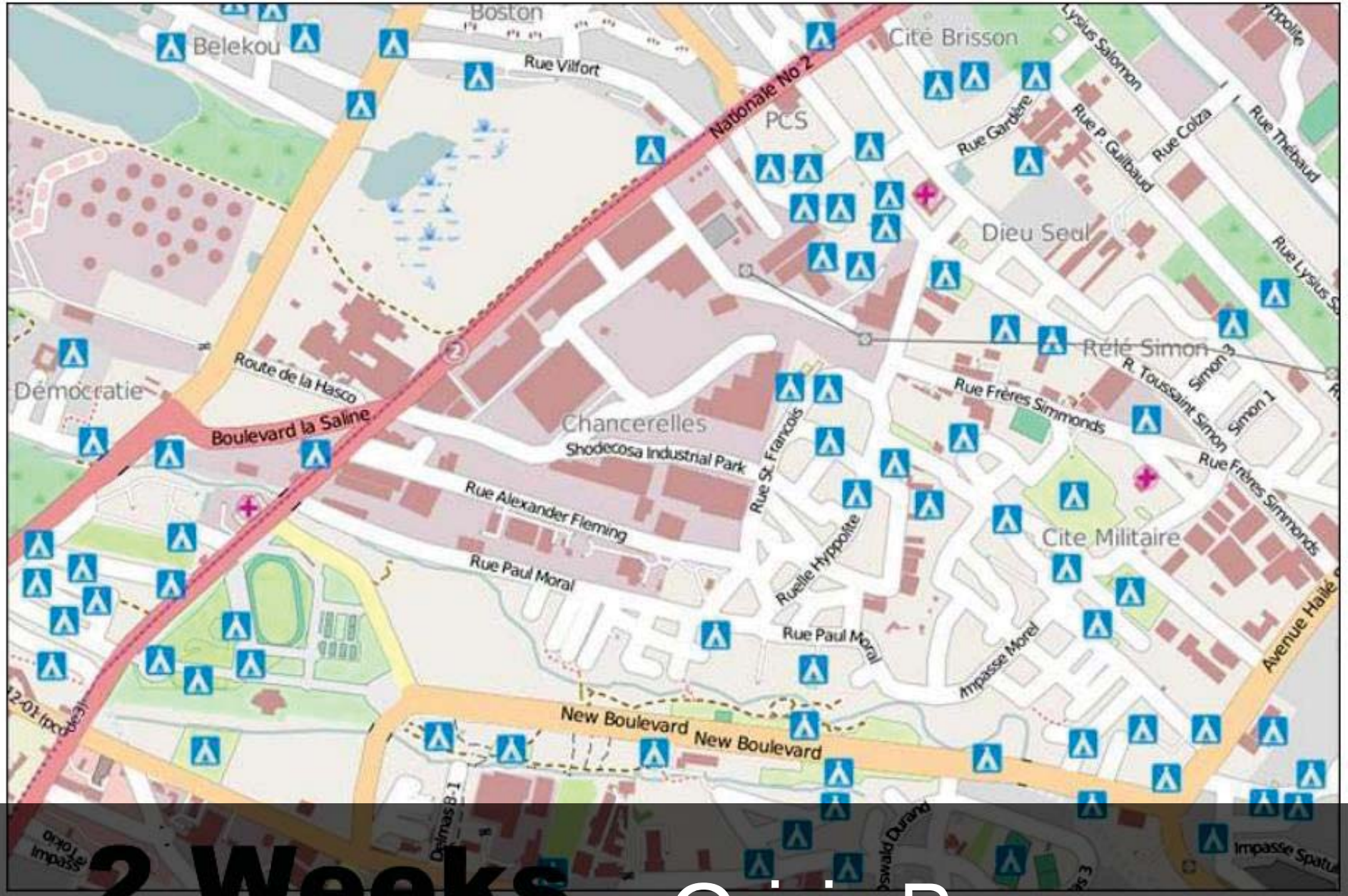
Day 1

Crisis Response



Day 3

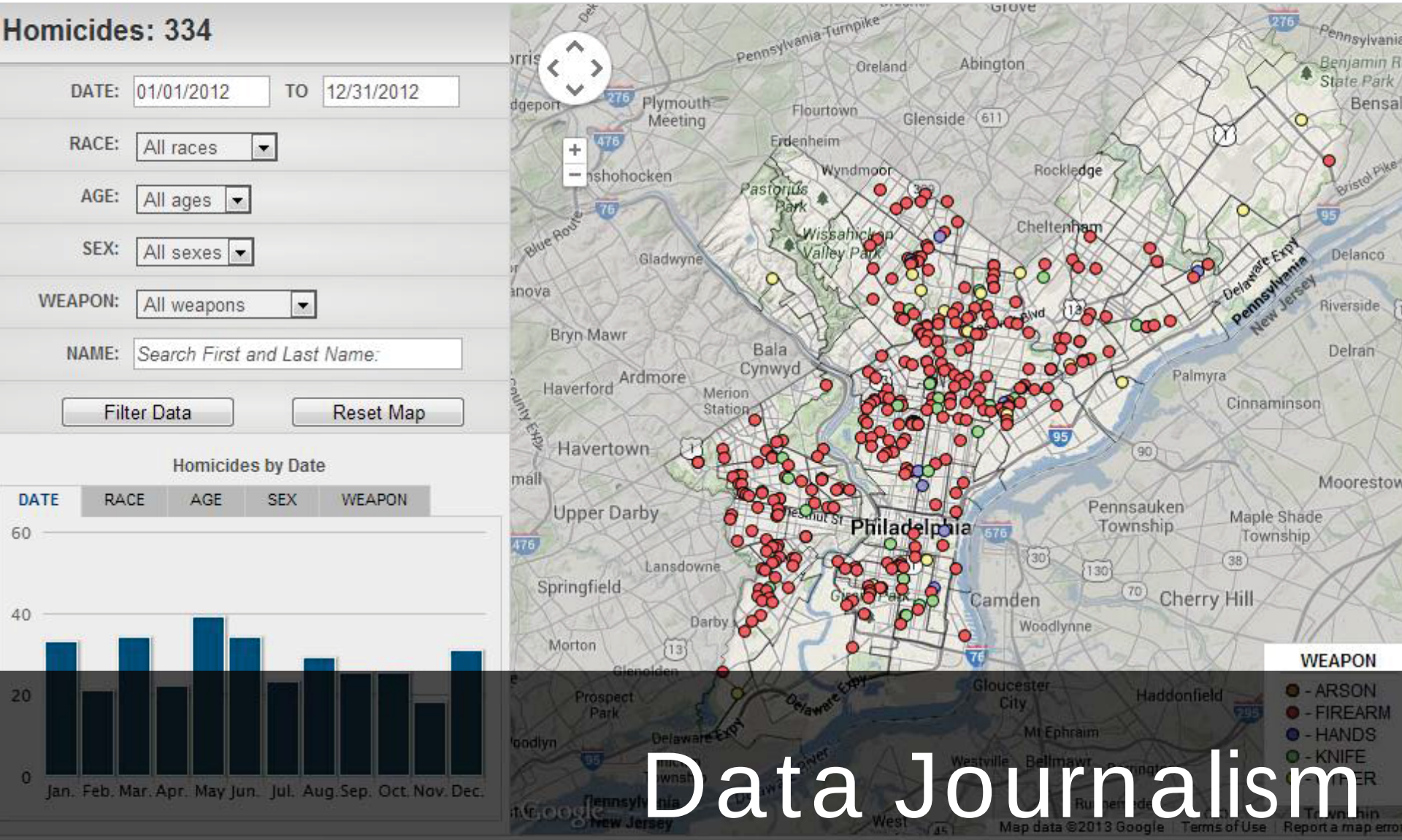
Crisis Response



2 Weeks Crisis Response

Homicides in Philadelphia

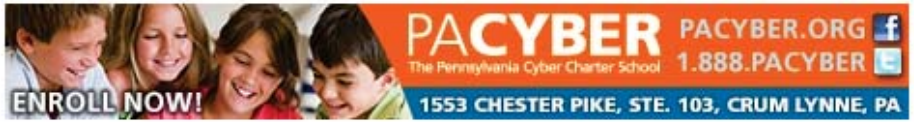
Since 1988, over 9,000 people have been slain on the streets of Philadelphia, affecting every neighborhood in the city. To put that deadly toll in perspective, during the length of U.S. combat operations in the Iraq war, 3,517 American troops were killed in action - and 3,113 people were killed in Philadelphia. Explore the data below with the maps and charts or view the entire list of homicide victims



Source: *Philadelphia Police Department*
Produced by: *Rob Kandel, John Duchneskie / Staff*

Data Journalism

Philadelphia Public School
thenotebook
An Independent Voice for Parents, Educators, Students, and Friends of Philadelphia Public Schools



The hard data: Scores down at every level

by Paul Socolar on Sep 21 2012 Posted in Latest news

Like 18 Tweet 9 COMMENTS (30) PRINT

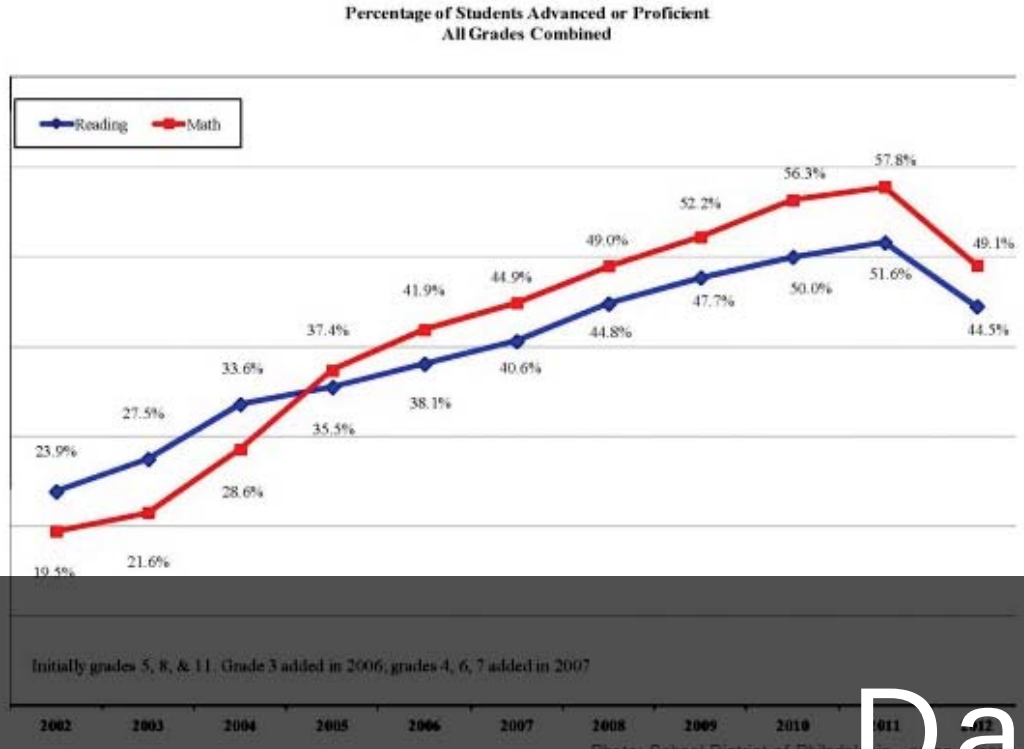


Photo: School District of Philadelphia - [illegible]

2012 PSSA scores in the District dropped overall for the first time in a decade.

(Updated, 2:30 p.m.)

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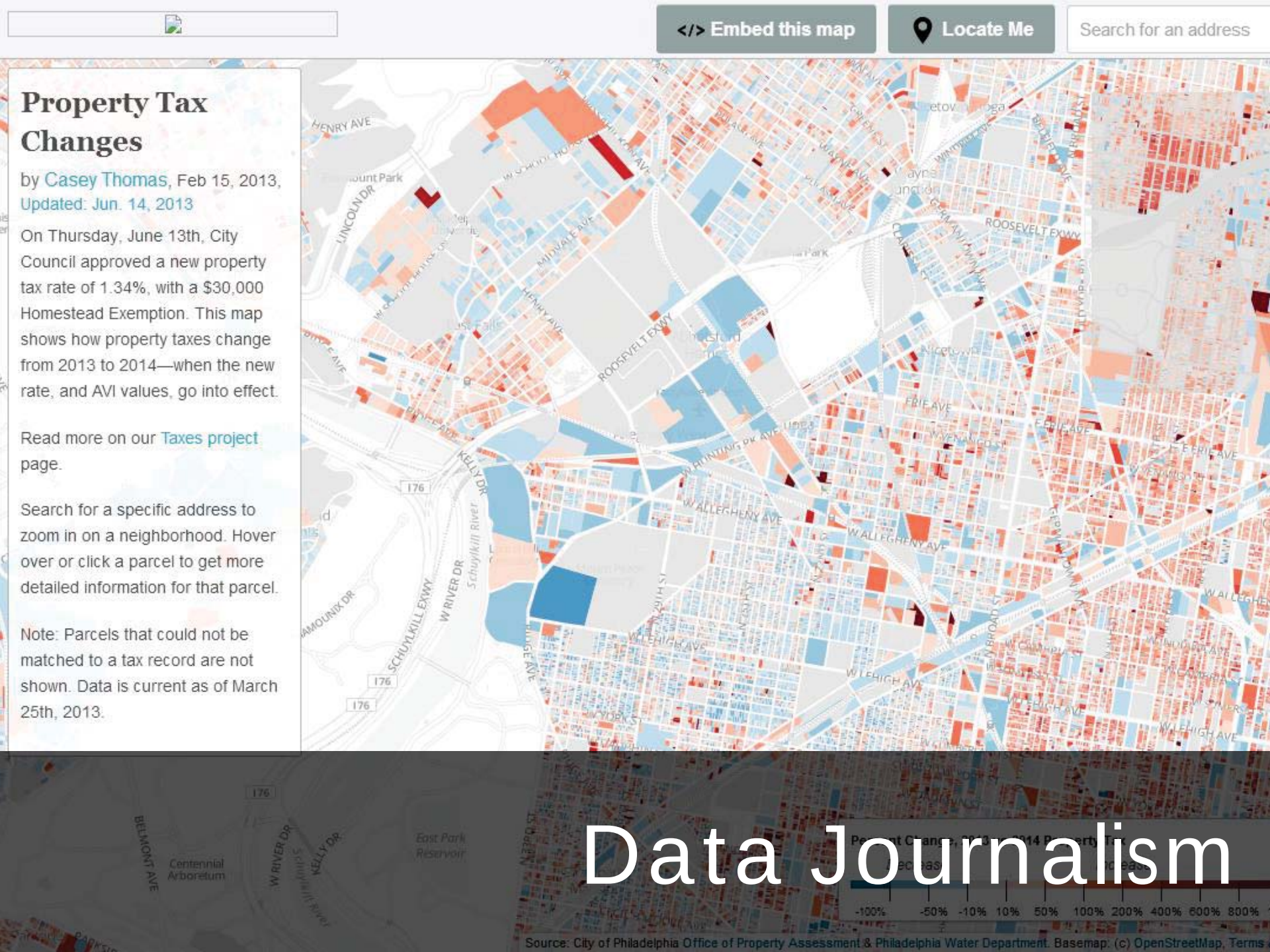
EDUCATION. IT MELT MADE

Data Journalism



Data Journalism

AXIS PHILLY
WHERE NEWS BREAKS THROUGH

HOME PROJECTS TOOLS & DATA ABOUT

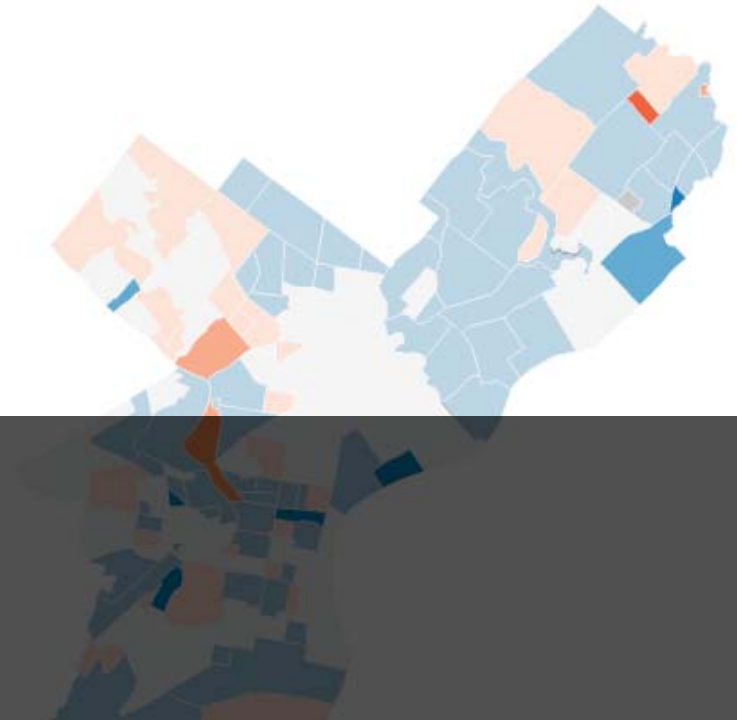
Changes in Crime by Neighborhood

by Casey Thomas, Jan. 31, 2013

The recent release of Philadelphia crime data going back to 2006 allows us to analyze changes in crime from year to year. On the wh
violent crime has decreased across the city. But, on the neighborhood level, crime has stayed the same or even increased in some are
since 2007. Related Story →

Symbolize map by:

2011 vs 2012



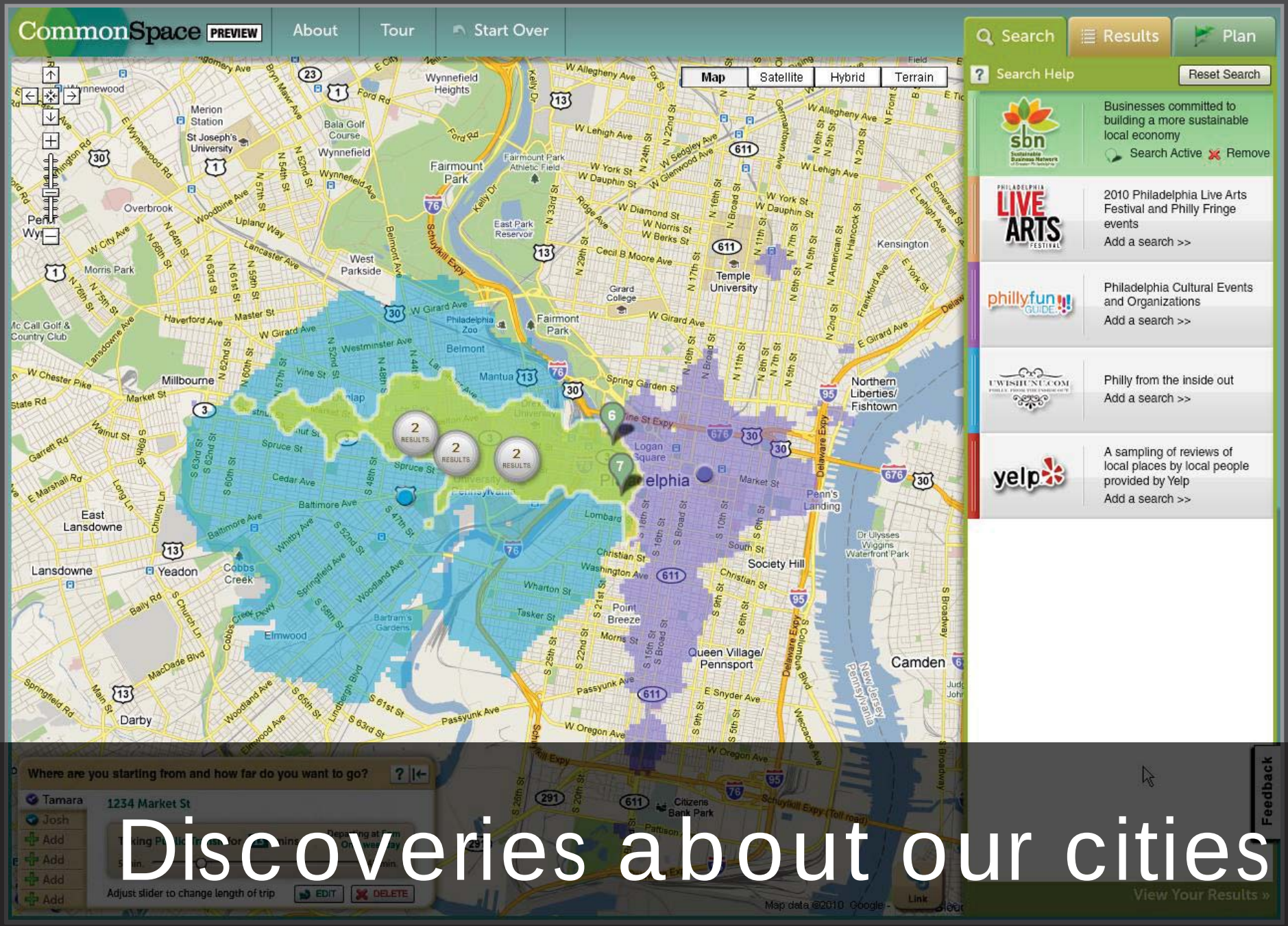
Fishtown

Percent Change	Total Crimes	Violent Crimes	Property Crimes
2007 vs 2012	-11%	-2%	-13%

Data Journalism

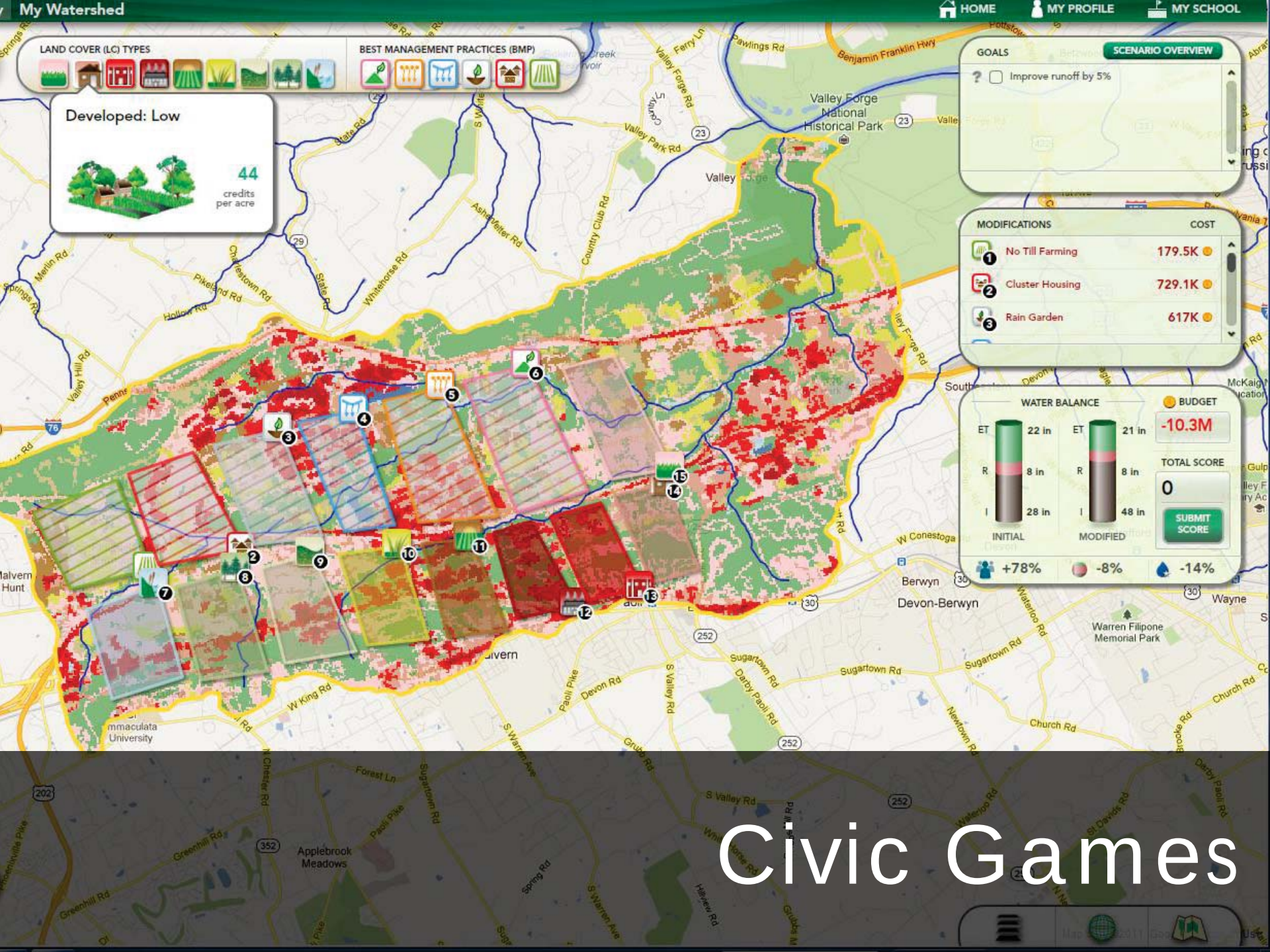
What will we build together?

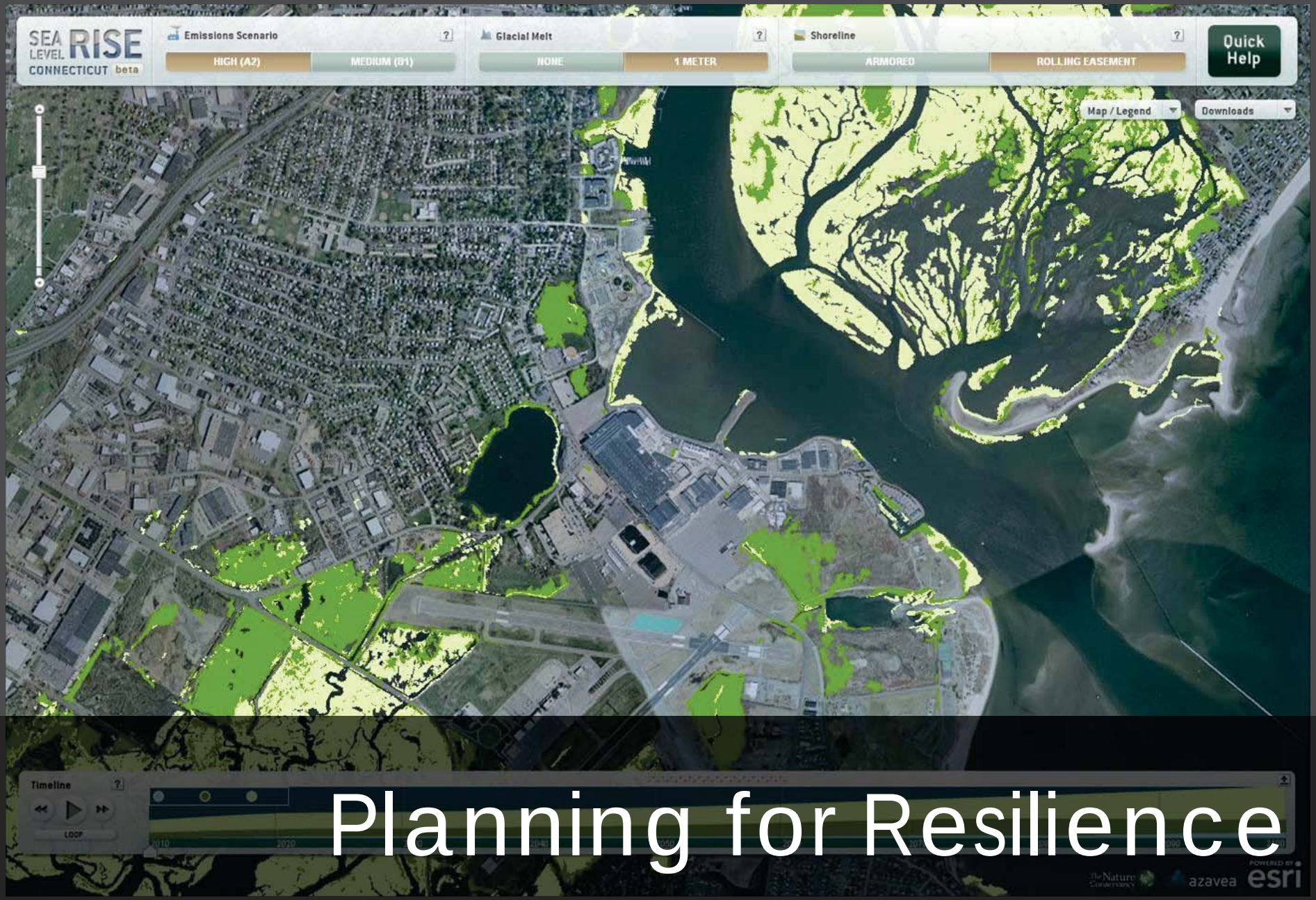
VISUALIZING EMANCIPATION
dsl
ABOUT THE PROJECT
FOR TEACHERS
ADD AN EVENT
DATA DOWNLOAD
MY ACCOUNT
MAP
LIST
EMANCIPATION EVENT TYPES
SOURCE TYPES
Search
Reset
MAP OPTIONS
Emancipation Events
Emancipation Events Heatmap
Union Army Locations
Legality of Slavery Overlay
IOWA
ILLINOIS
INDIANA
OHIO
KANSAS
MISSOURI
OKLAHOMA
Jan 1, 1861 - Dec 31, 1865
1861
1862
1863
1864
1865
Discoveries about our past



Discoveries about our cities

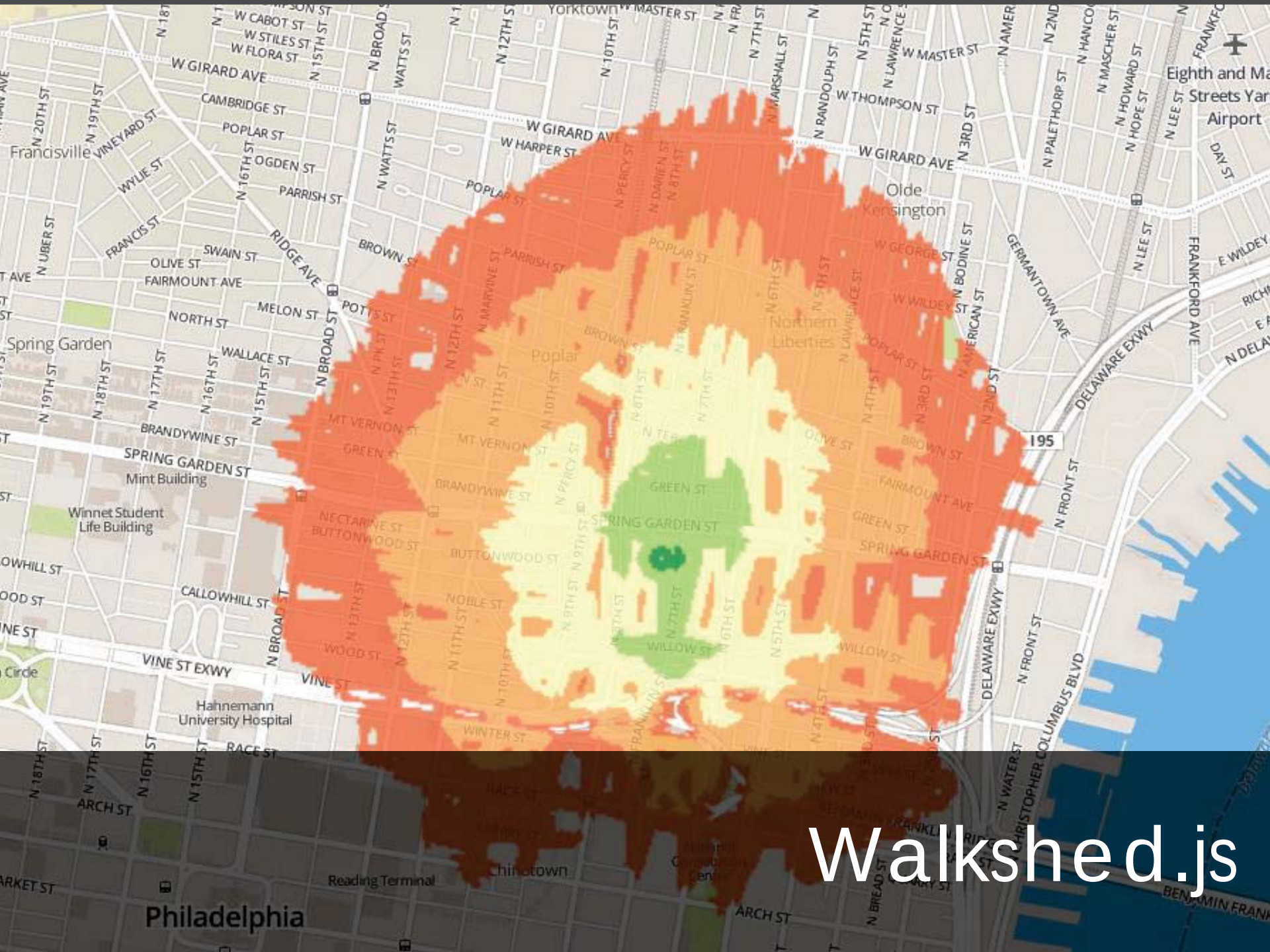
Modeling and simulating our cities


My Watershed
HOME
MY PROFILE
MY SCHOOL
LAND COVER (LC) TYPES
BEST MANAGEMENT PRACTICES (BMP)
Developed: Low
44
credits per acre
GOALS
SCENARIO OVERVIEW
Improve runoff by 5%
MODIFICATIONS
COST
No Till Farming
179.5K
Cluster Housing
729.1K
Rain Garden
617K
WATER BALANCE
BUDGET
-10.3M
ET
R
I
22 in
8 in
28 in
INITIAL
21 in
8 in
48 in
MODIFIED
TOTAL SCORE
0
SUBMIT SCORE
+78%
-8%
-14%
Valley Forge National Historical Park
Berwyn
Devon-Berwyn
Warren Filipone Memorial Park
Applebrook Meadows
Civic Games

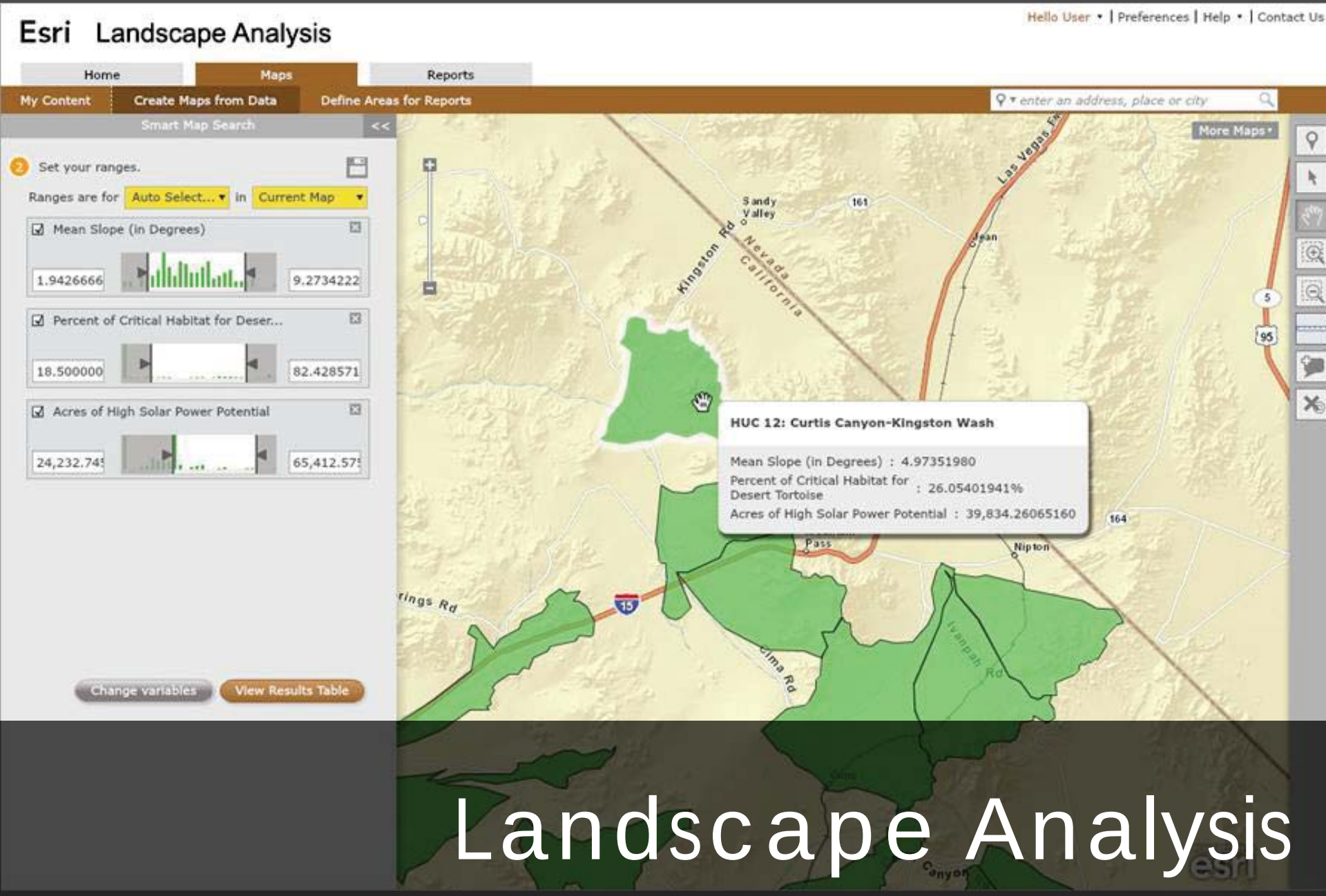


Planning for Resilience

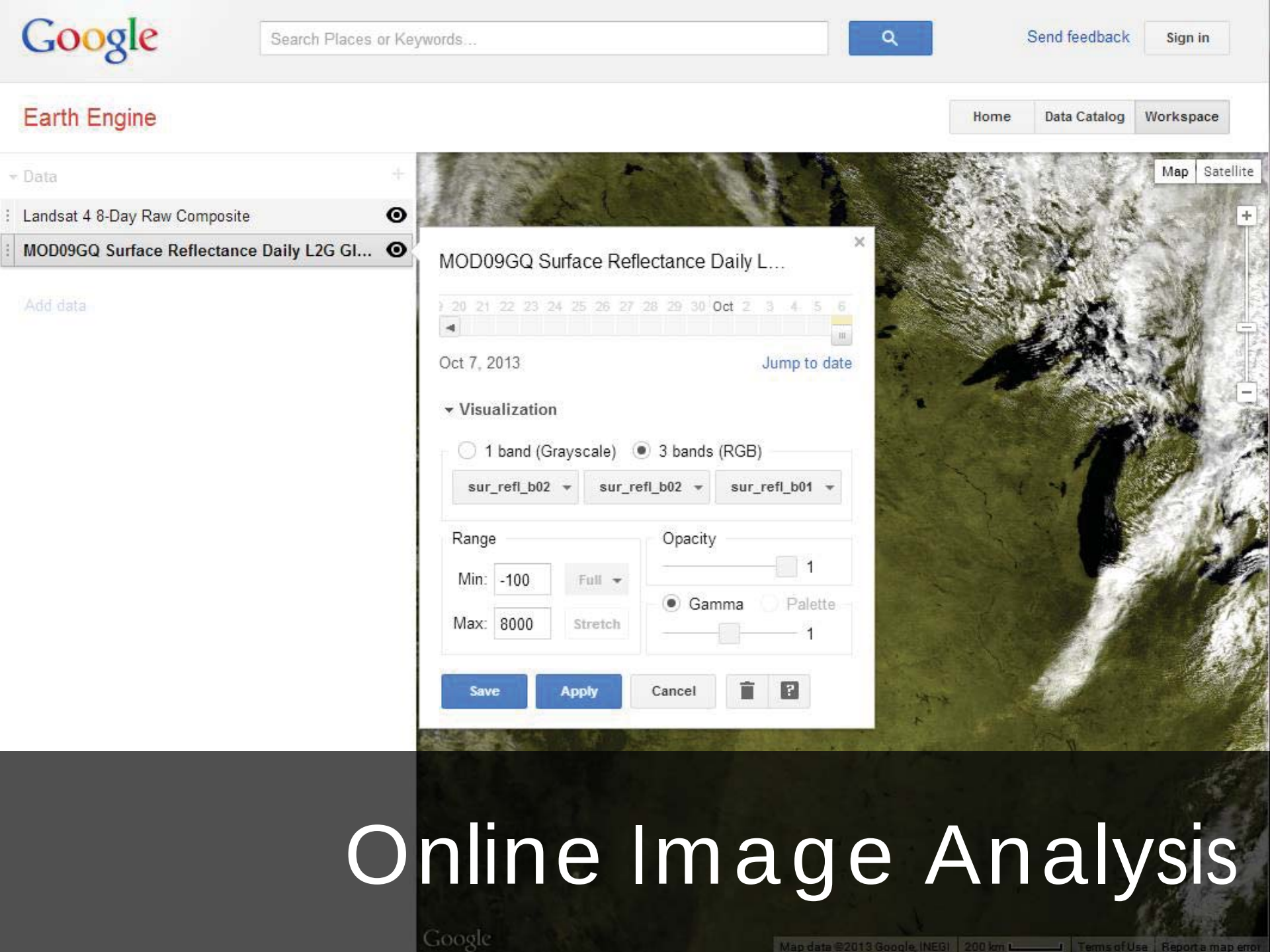
Infrastructure Investment Planning


Walkshed.js
Yorktown
W MASTER ST
W CABOT ST
W STILES ST
W FLORA ST
W GIRARD AVE
CAMBRIDGE ST
POPLAR ST
OGDEN ST
PARRISH ST
W HARPER ST
W THOMPSON ST
Francisville
VINEYARD ST
WYLIE ST
FRANCIS ST
SWAIN ST
OLIVE ST
FAIRMOUNT AVE
RIDGE AVE
BROWN ST
POTTS ST
MELON ST
NORTH ST
WALLACE ST
Spring Garden
Olde Kensington
W GEORGE ST
W WILDEY ST
Northern Liberties
Poplar
MT VERNON ST
GREEN ST
BRANDYWINE ST
SPRING GARDEN ST
Mint Building
Winnet Student Life Building
NECTARINE ST
BUTTONWOOD ST
CALLOWHILL ST
NOBLE ST
WOOD ST
WILLOW ST
VINE ST EXWY
VINE ST
Hahnemann University Hospital
WINTER ST
RACE ST
ARCH ST
Reading Terminal
Chinatown
Philadelphia
Eighth and Ma
Streets Yar
Airport
GERMANTOWN AVE
FRANKFORD AVE
DELAWARE EXWY
N FRONT ST
N BROAD ST
N 12TH ST
N 11TH ST
N 10TH ST
N 9TH ST
N 8TH ST
N 7TH ST
N 6TH ST
N 5TH ST
N 4TH ST
N 3RD ST
N 2ND ST
N 15TH ST
N 16TH ST
N 17TH ST
N 18TH ST
N 19TH ST
N 20TH ST
N WATTS ST
N 12TH ST
N 10TH ST
N 7TH ST
N 5TH ST
N 3RD ST
N 2ND ST
N LEE ST
N HOWARD ST
N HOPE ST
N PALETHORP ST
N MASCHER ST
N BODINE ST
N AMERICAN ST
N WATER ST
CHRISTOPHER COLUMBUS BLVD
195

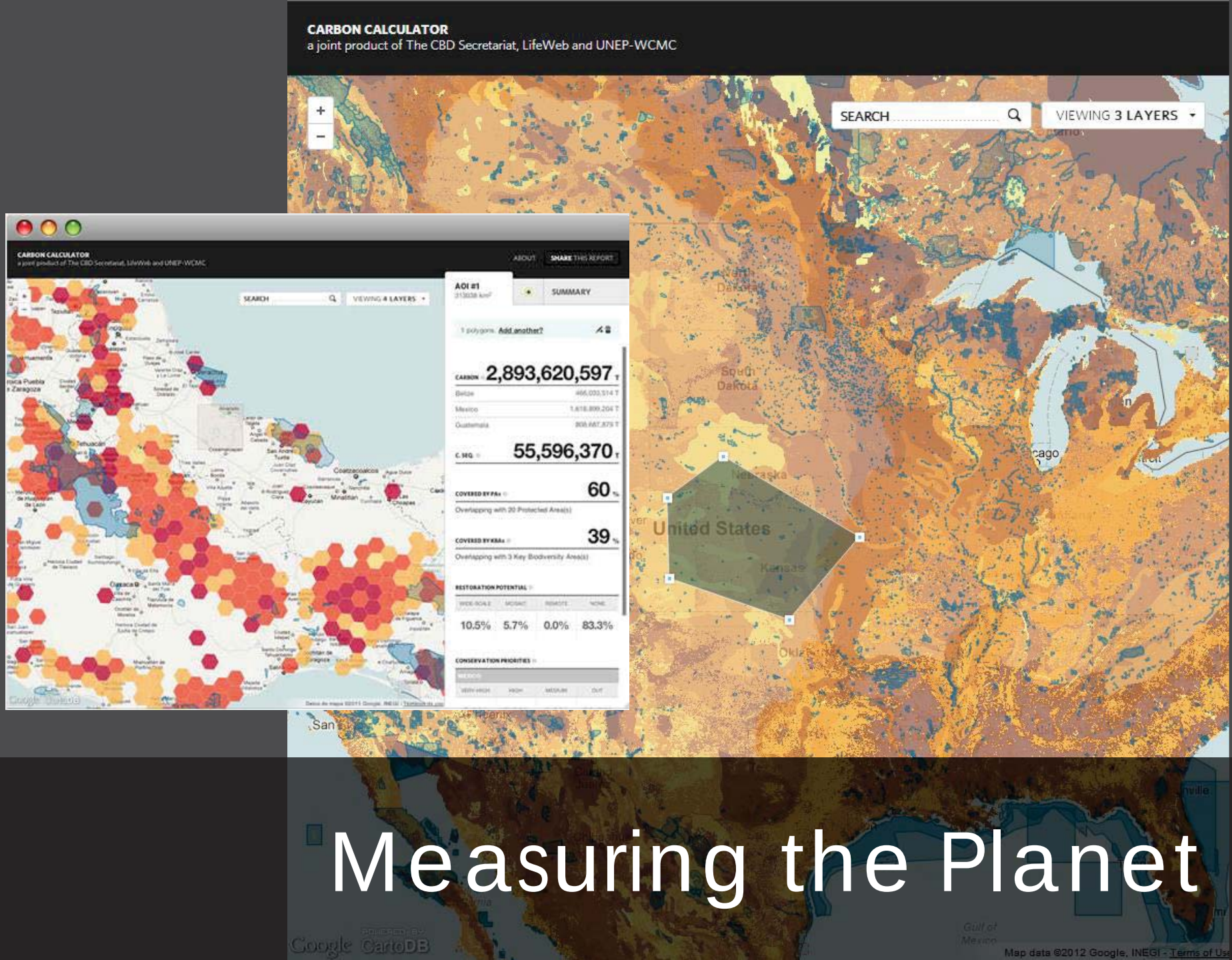
Social Media Analytics



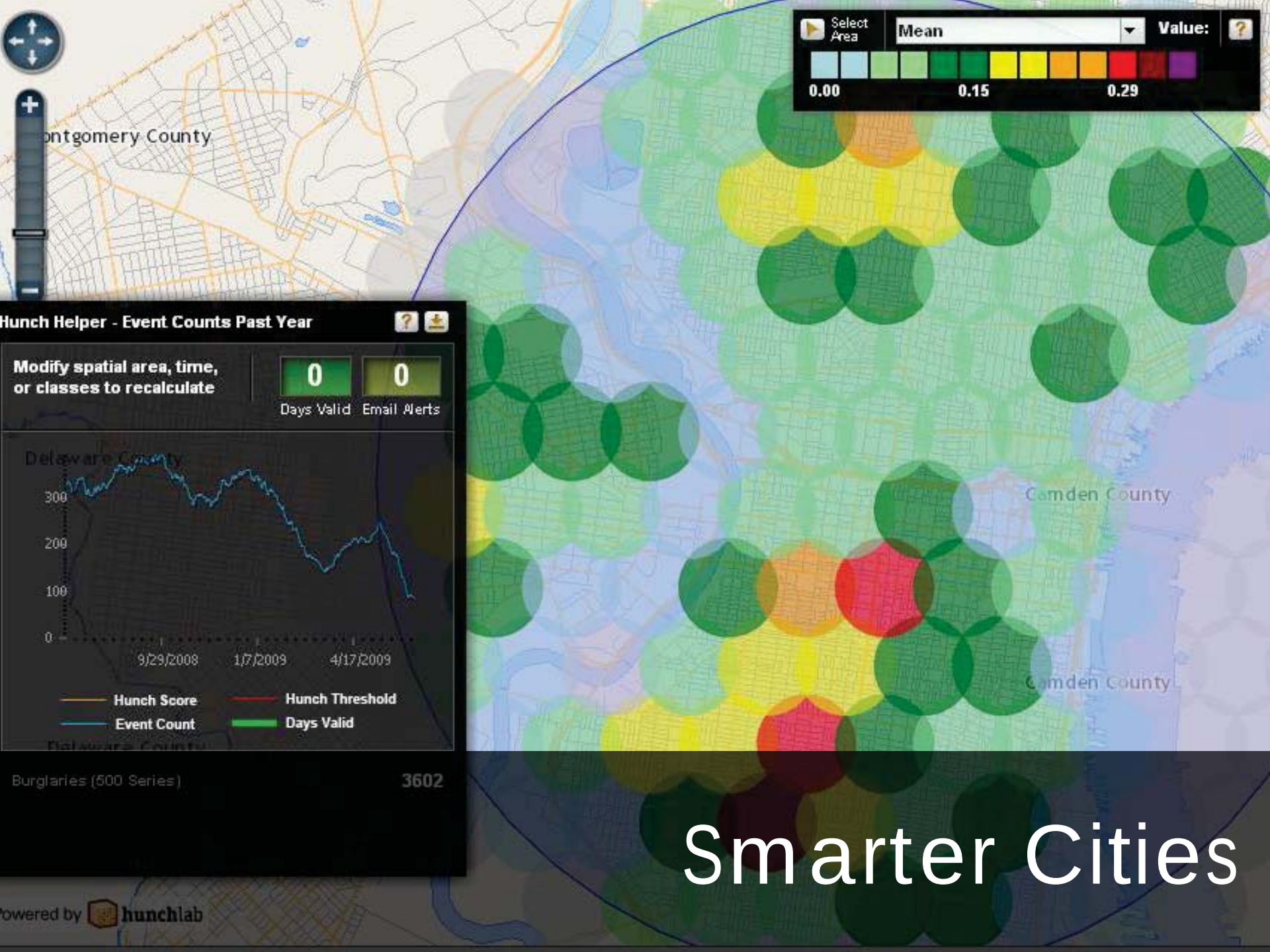
Landscape Analysis

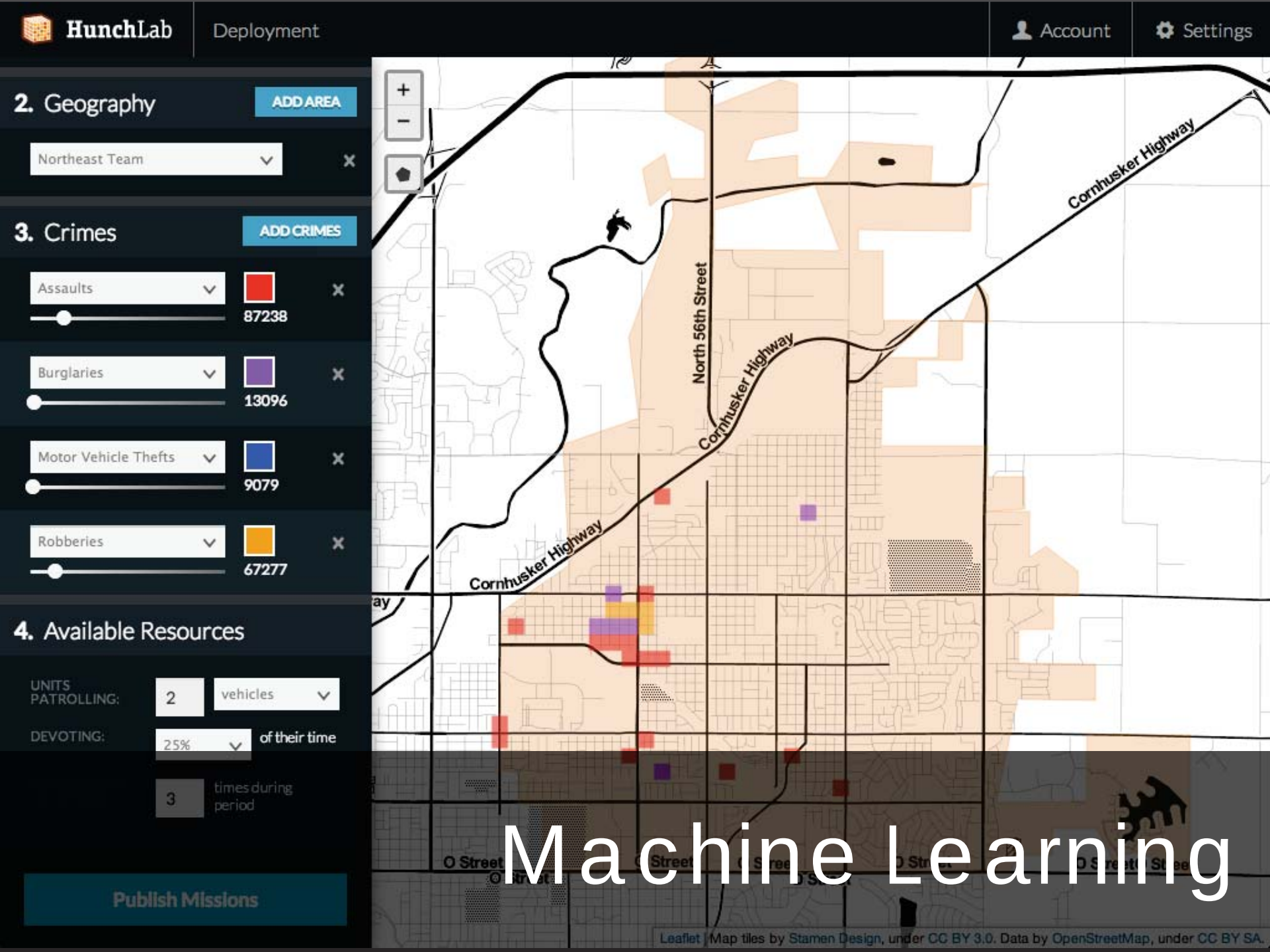


Online Image Analysis



Measuring the Planet


Select Area
Mean
Value:
0.00
0.15
0.29
ontgomery County
Hunch Helper - Event Counts Past Year
Modify spatial area, time, or classes to recalculate
0
0
Days Valid
Email Alerts
Delaware County
300
200
100
0
9/29/2008
1/7/2009
4/17/2009
Hunch Score
Event Count
Hunch Threshold
Days Valid
Burglaries (500 Series)
3602
Camden County
Camden County
Powered by hunchlab
Smarter Cities


HunchLab
Deployment
Account
Settings
2. Geography
ADD AREA
Northeast Team
3. Crimes
ADD CRIMES
Assaults
87238
Burglaries
13096
Motor Vehicle Thefts
9079
Robberies
67277
4. Available Resources
UNITS PATROLLING:
2
vehicles
DEVOTING:
25%
of their time
3
times during period
Publish Missions
North 56th Street
Cornhusker Highway
Cornhusker Highway
Cornhusker Highway
O Street
Leaflet | Map tiles by Stamen Design, under CC BY 3.0. Data by OpenStreetMap, under CC BY SA.
Machine Learning

New Devices and Displays

JULY 29, 2013 4:30PM

No active mission.

AMOUNT OF CRIME BY TYPE

JULY 29, 2013 4:34PM

Burglary Mission Area

There were **3** burglaries in the last **48 hours** at:

- 340 N 12th Street
- 1201 Wood Street
- 237 N Broad Street

VIEW MISSION NOTES

JULY 29, 2013 4:34PM

Burglary Mission Area

There were **3** burglaries in the last **48 hours** at:

- 340 N 12th Street
- 1201 Wood Street
- 237 N Broad Street

SELECT A TACTIC

PATROL NEIGHBORHOOD | CAR STOPS | REVIEW OFFENDERS | INTERVIEW RESIDENTS

VIEW MISSION NOTES

I am very excited

~~advanced~~

~~spatial analysis~~

on the web

advanced
spatial analysis
on the web

What can you do?

Register or Login

open data PHILLY

Connecting people with data

Data on the Philadelphia region is plentiful. Search and find that data on OpenDataPhilly and begin transforming your city.

Search for data

DATA

- All Data
- Arts / Culture / History
- Economy
- Education
- Elections / Politics
- Environment
- Food
- Health / Human Services
- Parks / Recreation
- Planning / Zoning
- Public Safety
- Real Estate / Land Records
- Transportation
- Uncategorized

- Idea Gallery
- Submit Data
- Nominate Data

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- Terms

NEED INSPIRATION? VISIT THE IDEA GALLERY

Greater Philadelphia GeoHistory Network by PACSCL and the Athenaeum of Philadelphia

@OPENDATAPHILLY

Tuesday, May 31, 2011, 6:14p.m.
What problems can we solve during Random Hacks of Kindness this weekend?: http://t.co/VR43rYK via @TechnicallyPHL @RandomHacks

Monday, May 30, 2011, 2:35p.m.
How to get started in data journalism using Google Fusion Tables http://bit.ly/mz1aVV

Monday, May 23, 2011, 1:10p.m.
Like public art? New entry on OpenDataPhilly provides info and photos of art in the city - http://bit.ly/jg8uzO

GOT DATA? MAKE A SUBMISSION

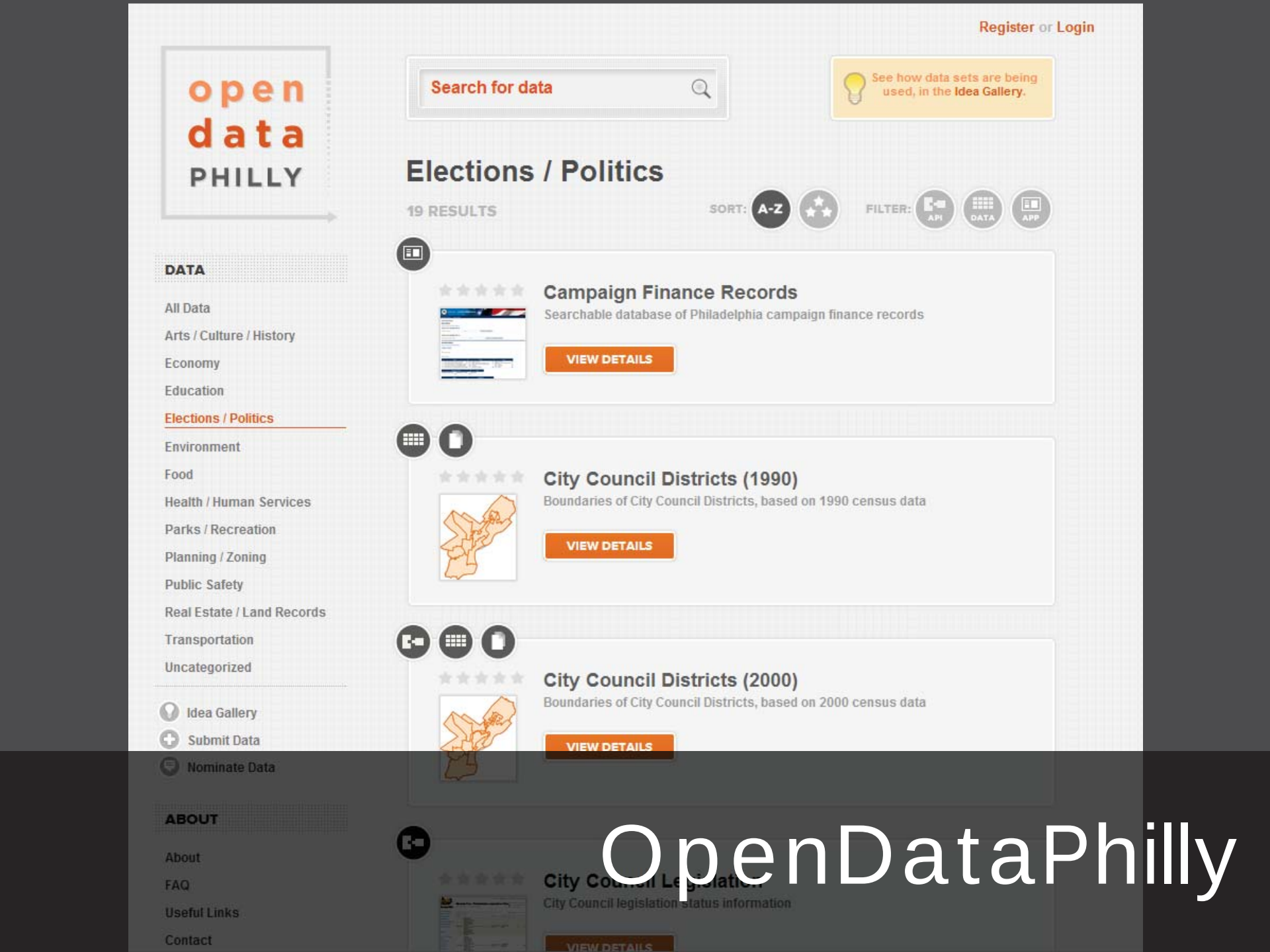
RECENT ADDITIONS

Monday, May 23, 2011
Philadelphia Public Art @philart.net

PHA Housing Sites

Wednesday, May 11, 2011

1. Help make Open Data the default


Register or Login
open data PHILLY
Search for data
See how data sets are being used, in the Idea Gallery.
Elections / Politics
19 RESULTS
SORT: A-Z
FILTER: API DATA APP
DATA
All Data
Arts / Culture / History
Economy
Education
Elections / Politics
Environment
Food
Health / Human Services
Parks / Recreation
Planning / Zoning
Public Safety
Real Estate / Land Records
Transportation
Uncategorized
Idea Gallery
Submit Data
Nominate Data
ABOUT
About
FAQ
Useful Links
Contact
Campaign Finance Records
Searchable database of Philadelphia campaign finance records
VIEW DETAILS
City Council Districts (1990)
Boundaries of City Council Districts, based on 1990 census data
VIEW DETAILS
City Council Districts (2000)
Boundaries of City Council Districts, based on 2000 census data
VIEW DETAILS
City Council Legislation
City Council legislation status information
VIEW DETAILS
OpenDataPhilly

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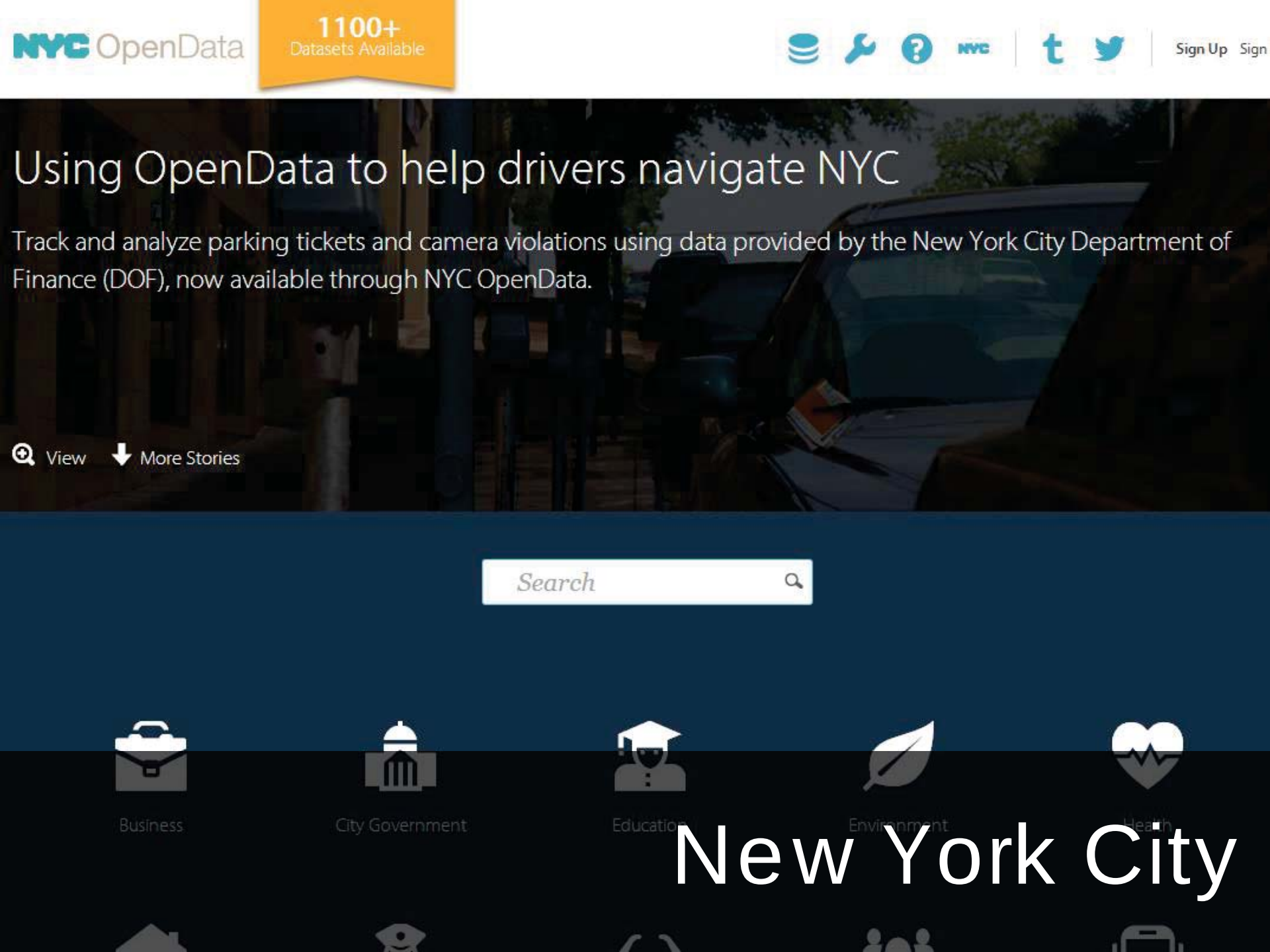
NYC OpenData
1100+
Datasets Available
Sign Up
Sign
Using OpenData to help drivers navigate NYC
Track and analyze parking tickets and camera violations using data provided by the New York City Department of Finance (DOF), now available through NYC OpenData.
View
More Stories
Search
Business
City Government
Education
Environment
Health
New York City

STATE OF NEW JERSEY
TRANSPARENCY CENTER

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Purchasing
Public Payroll
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Governor´s Performance Center
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Need Help With a Term?

MORE SOLUTIONS
Solutions by Topic
Questions for YourMoney.NJ.Gov
In but not of Agencies by Department

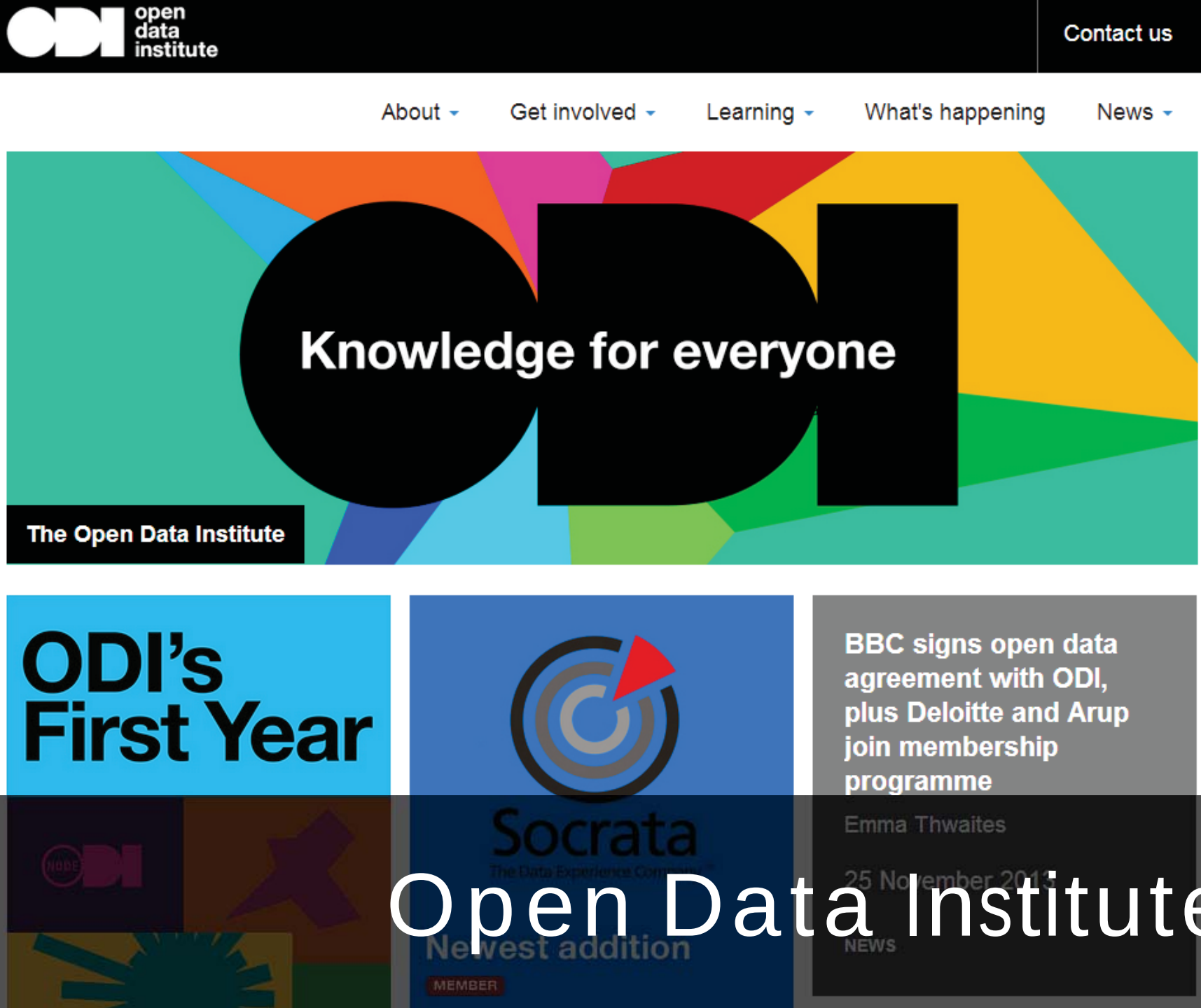
YOURMONEY.NJ.GOV BY THE NUMBERS

3.1 million property tax records
98,733 public employee payroll records
Performance budgeting data from **twenty-two agencies**
Seven years of State expeditures and revenue data
290,860 pension recipient records
Data from **nineteen** independent authorities
Purchasing data for **11,646** state vendors

Highlight 1 | Highlight 2

NASCIO 2011 RECOGNITION AWARDS
FINALIST
OPEN GOVERNMENT INITIATIVE

New Jersey



Open Data Institute

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School of Data works to empower **civil society organizations**, **journalists** and **citizens** with the skills they need to use data effectively – evidence is power!

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A deep dive into fuzzy

Working With Large Text

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GeoPortal Server

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Portal for ArcGIS Server

Create your own

Learn how to make Open Records Requests

Share what you find

Talk to your City Council rep about Open Data

Talk to your State Senator and Assembly Rep about Open Data

Register or Login

open data PHILLY

Connecting people with data

Data on the Philadelphia region is plentiful. Search and find that data on OpenDataPhilly and begin transforming your city.

Search for data

DATA

- All Data
- Arts / Culture / History
- Economy
- Education
- Elections / Politics
- Environment
- Food
- Health / Human Services
- Parks / Recreation
- Planning / Zoning
- Public Safety
- Real Estate / Land Records
- Transportation
- Uncategorized

- Idea Gallery
- Submit Data
- Nominate Data

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- Useful Links
- Contact
- Terms

NEED INSPIRATION? VISIT THE IDEA GALLERY

Greater Philadelphia GeoHistory Network by PACSCL and the Athenaeum of Philadelphia

@OPENDATAPHILLY

Tuesday, May 31, 2011, 6:14p.m.
What problems can we solve during Random Hacks of Kindness this weekend?: http://t.co/VR43rYK via @TechnicallyPHL @RandomHacks

Monday, May 30, 2011, 2:35p.m.
How to get started in data journalism using Google Fusion Tables http://bit.ly/mz1aVV

Monday, May 23, 2011, 1:10p.m.
Like public art? New entry on OpenDataPhilly provides info and photos of art in the city - http://bit.ly/jg8uzO

GOT DATA? MAKE A SUBMISSION

RECENT ADDITIONS

Monday, May 23, 2011
Philadelphia Public Art @philart.net

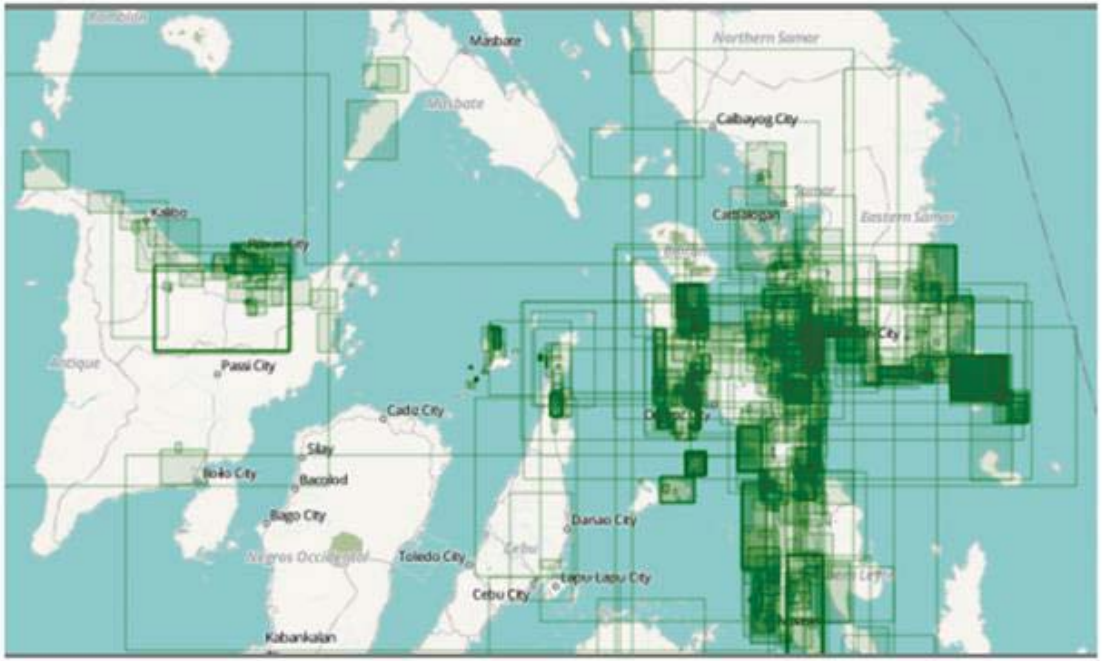
PHA Housing Sites

Wednesday, May 11, 2011

1. Help make Open Data the default

2. Invest your Cognitive Surplus

Humanitarian
Open Street Map
Team



FEATURED PROJECT

Typhoon Haiyan

We have activated to provide geographic base data in areas affected by typhoon Yolanda/Haiyan in the Philippines, coordinating on the Typhoon_Haiyan wiki page. Our maps are being used on the ground by aid agencies, for example the American Red Cross have equipped their teams with OpenStreetMap maps. Tying in with this, the British Red Cross have been working to help...

READ MORE

The Humanitarian OpenStreetMap Team [H.O.T.] applies the principles of open source and open data sharing for humanitarian response and economic development.

Join HOT

Azavea Atlas

Maps, geography and the web

azavea

The Use of Open Data and Grassroots Efforts in Crisis Response

Date:
Jul 10, 2013

By:
Sarah Cordivano

Tags:
crisis response, Open Data, OpenDataPhilly, Sandy

A couple of weeks ago, we experienced a tragedy here in Philadelphia; a badly mismanaged building demolition caused the deaths of several people. Out of this tragedy, however, I observed some surprising and creative uses of open government data that suggest future uses in crisis response.

Open government data serves as a valuable asset to citizens because it allows them to access information that may have been previously unavailable, unobtainable or costly. The role of open, publicly accessible data is multifaceted. This liberated data not only improves the transparency of government operations, but also encourages economic and community development by empowering the public to use the data as a resource. For example, someone planning to move into a new city may use data about school catchments, property values and social service resources to make an informed decision about where to move. A construction business owner can use licensing violation data to help target his marketing efforts and gain new clients. Additionally, open data can start a dialog between the government and its community which often results in the opportunity for improved data quality and new analysis.

The release of open data by governments has gained momentum and recognition. There are now 100's of cities around the world as well as several national governments that operate open data portals. I think the benefits offered –

Crisis Response

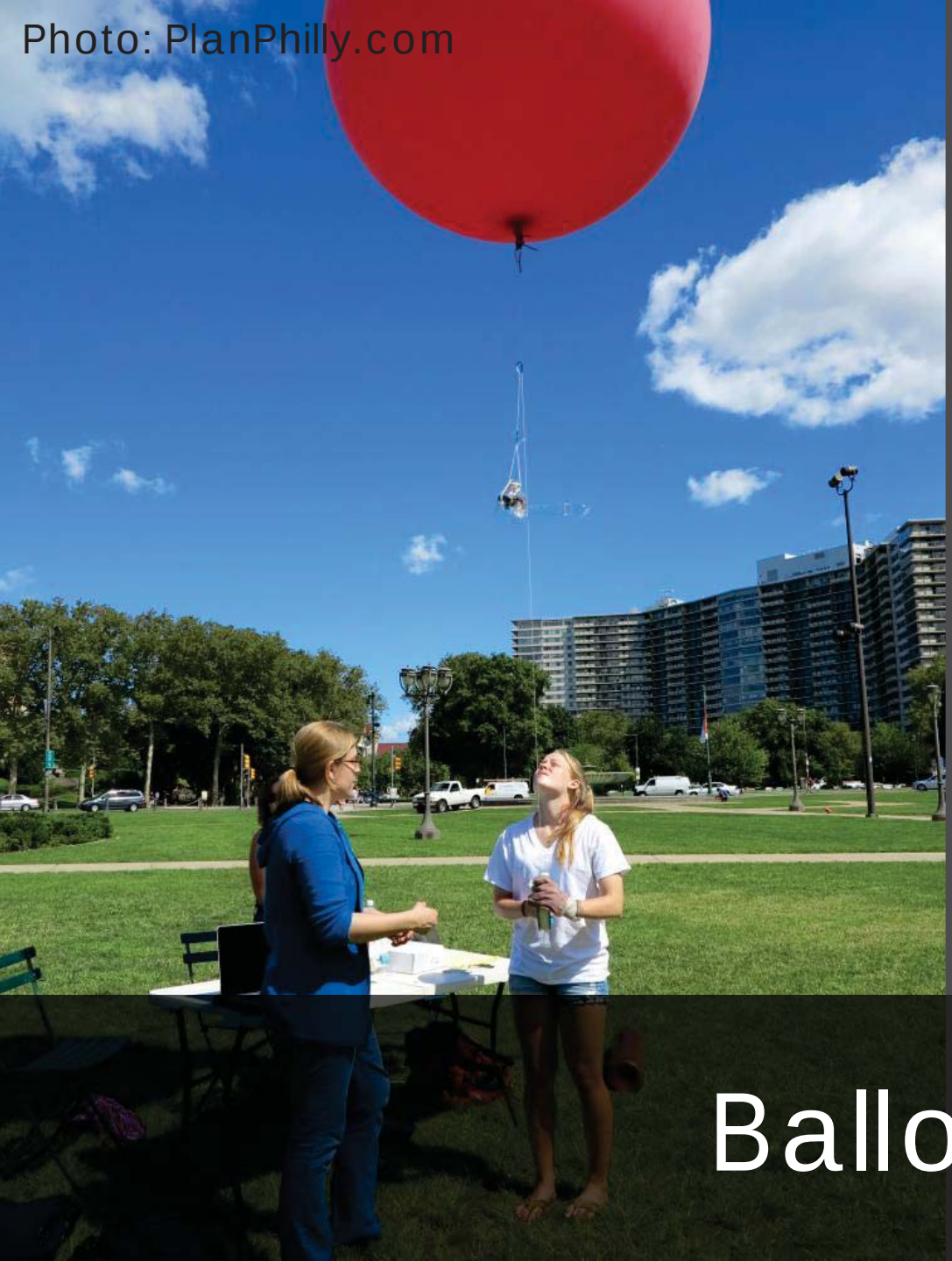


Photo: PlanPhilly.com

Balloon Mapping

Explore Trees | Add a Tree | Support Philly's Trees | Login or Sign up

beta- phillytreemap

Filter by Location: List | Address, City, State | GO!

Filter by Species: Advanced Filters | List | All trees | GO!

Add photos »

Tools
Add as favorite

Latest Update
Username ebarbash
Date Aug. 4, 2011

60% complete

Edit this tree »

Your Turn
Our database of trees comes from public records and citizen foresters like you. Update the information for this tree and help us grow!

Recent Contributors
08/04/2011 - ebarbash
08/04/2011 - ebarbash

Callery pear

1911 brandywine st
Philadelphia, PA

Edit Tree Info

Common Attributes

General Tree Information

Tree number	329594
Scientific name	*Pyrus calleryana*
Common name	Callery pear
Trunk diameter	18.00 inches
Tree height	Missing
Canopy height	Missing
Nearby address	1911 brandywine st

Yearly Ecosystem Services		Value
Stormwater intercepted	2875 gal	$28.46
Energy conserved	1399 kWh	$176.59
Air pollutants removed	3.728 lbs	$10.19
Carbon dioxide reduced	858 lbs	$2.87
Total Co2 stored to date	4880 lbs	$16.30

Environment

Plot size	3.00 ft x 4.00 ft
Plot type	Well/Pit
Powerlines overhead	No

Comments

rcheetham - 12:19 a.m. Feb 17, 2012
Pruning done by PECO January 2012

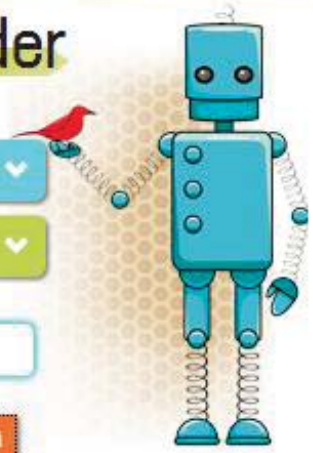
Citizen Science

scistarter beta
Science we can do together.

log in / sign up search:

home project finder our blo

project finder



pick an activity

pick a topic

search keywords

advanced search search

projects of the day

IceWatch USA

goal Engage citizens in helping scientis study climate change

task Observe and report on wildlife and winter precipitation

Like 0 Anywhere comments

our blog

Winter is here! Check out more winter weather themed citizen science projects at Scistarter. You know what the atmosphere is ...

read more

newsletter

Get awesome projects delivered to your inbox each week. Enter your email address:

GO

for scientists

Add a project and we'll connect you to our community of doers!

add a project

premium service

edit your projec

as seen in

DISCOVER MAGAZINE Forbes npr BBC WIRED nature publishing group npg

Citizen Science

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3. Join mass collaborations

HAKR 2011

APPS FOR SEPTA

RELOADED

AUGUST 4TH & 5TH

908 N 3RD ST
PHILADELPHIA, PA

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WHAT IS 'APPS FOR SEPTA'?

Devnuts teams up with SEPTA for their second "Hack-A-Thon" event. "Apps for Septa" is a weekend-long civic coding event focused on building web, mobile or social applications that use SEPTA data and APIs held at Devnuts. This the second annual civic hacking event focused on using SEPTA data and APIs.

Participants will have the option of demoing their app for the SEPTA staff on Monday.

› See what was built last year on the apps page

COME HANG OUT!

Come participate in the SEPTA "Hack-a-Thon", or simply come hang out with some of the most innovative minds in the Philadelphia area. The $5 entry fee grants you access to the event, a "Apps For SEPTA" t-shirt, food, and beverages. The hackathon will run August 4th and 5th.

TWITTER FEED

› View All #apps4septa Tweets

Hackathons

Random Hacks of Kindness
Hacking for Humanity

Login Register Contact RHoK

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Home

Philadelphia

RHoK #3

RHoK Philadelphia

Calling all developers, geeks, designers, and hackers!

RHoK is an event and competition combining technology with disaster relief, social development, climate change, and human rights to create immediately applicable solutions to real world problems. Drawing on the talents and initiative of the brightest hackers and problem-solvers from around the world, here's a chance to volunteer your time and hack for humanity.

Show up at 9am on Saturday, June 4th with a team of 2-4 hackers (or just show up and join a team there!). Pick one of the dozens of available social impact problem definitions - or come up with your own - and see what you can make by Sunday afternoon. The best projects will be featured across the globe.

This event is FREE and open to the public.

We will provide food, Internet, power, and logistics. Just bring your laptop!

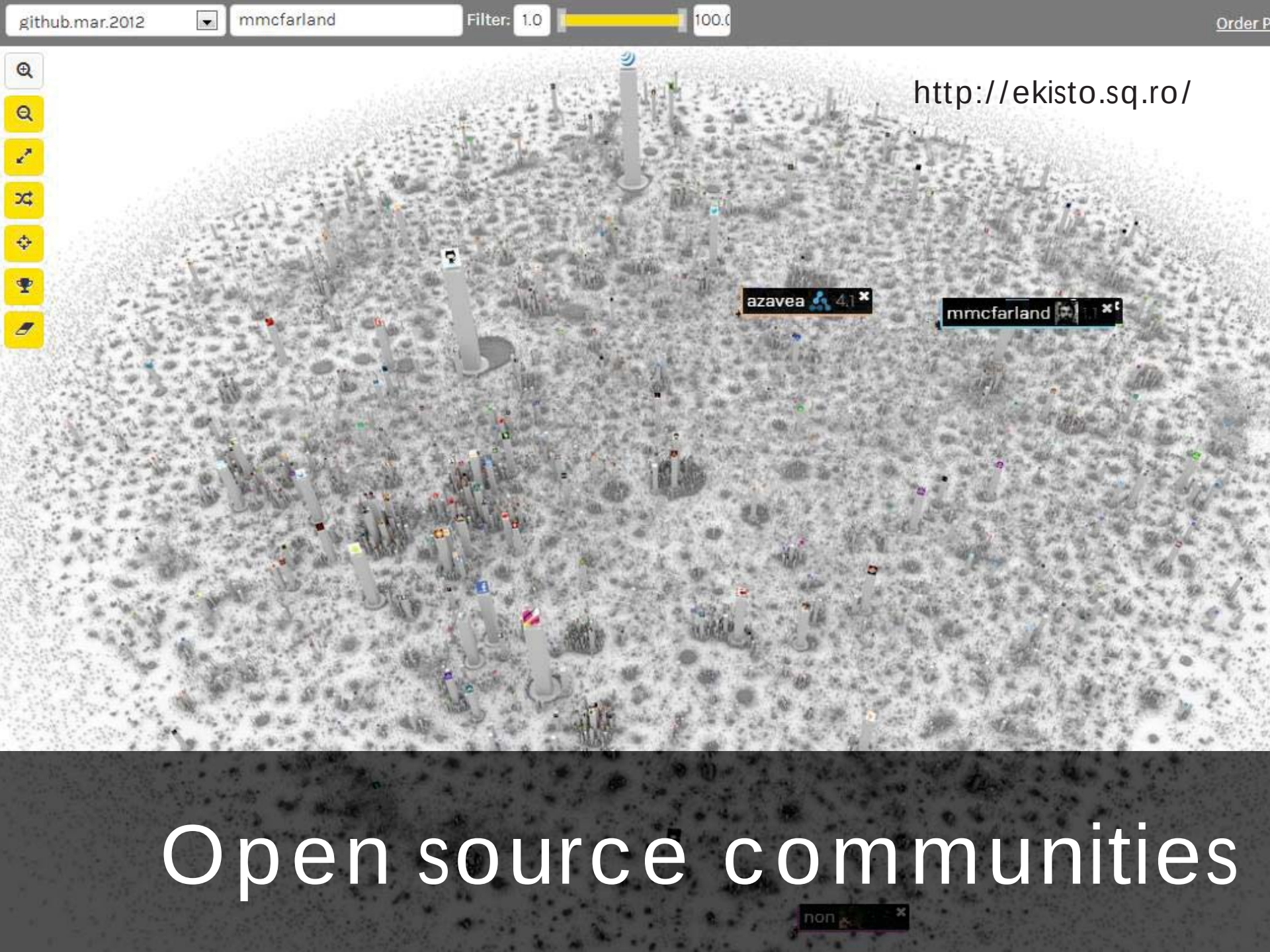
Keynote Speaker: Roger Dingledine of the Tor Project (torproject.org)

More info: www.rhok.org

Full event flier: https://psal.cs.drexel.edu/RHoK_Philadelphia.pdf

Registration Deadline:	Thursday, June 2, 2011
Reception Date:	Thursday, June 2, 2011
Reception Location:	Indy Hall (20 N. 3rd Street, Suite 201, above Market Street)
Reception details:	Date and Time: 6 p.m. on Friday, June 3rd. Beer, wine and light refreshments will be provided FREE
Hackathon Location:	Drexel University, University Crossing Building (1st Floor), 3175 JFK Blvd, Philadelphia, PA
Hackathon Details:	What to bring: your laptop. We provide, food, Internet, and other essentials.

Hackathons


github.mar.2012
mmcfarland
Filter:
1.0
100.0
Order P
http://ekisto.sq.ro/
azavea
mmcfarland
Open source communities

koverflow.jul.2013
Search by numerical userid
Filter:
1.0
Order Prints
About
http://ekisto.sq.ro/
Nicolas B
1.4
Irkwz
4.7
Open source communities

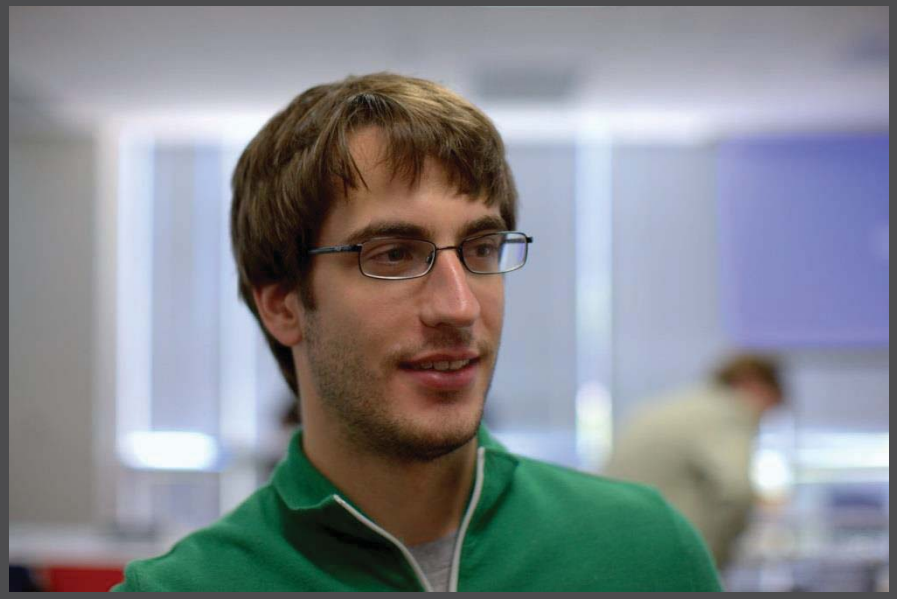
What else
can you do?

We need to be asking better questions

Bring geography to data science

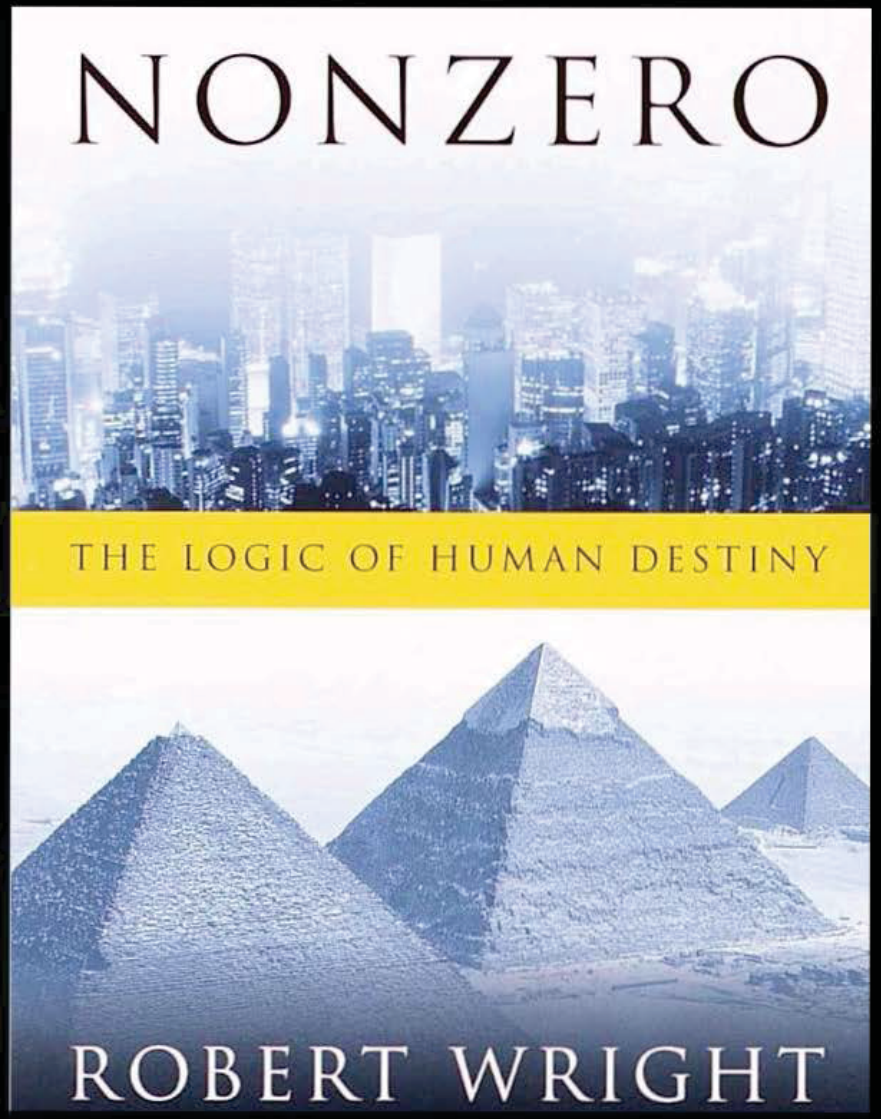
Use geodata to
do stuff that matters

Photo: Fred Benenson



Jeff Hammerbacher

"The best minds of my generation are thinking about how to make people click ads... That sucks."

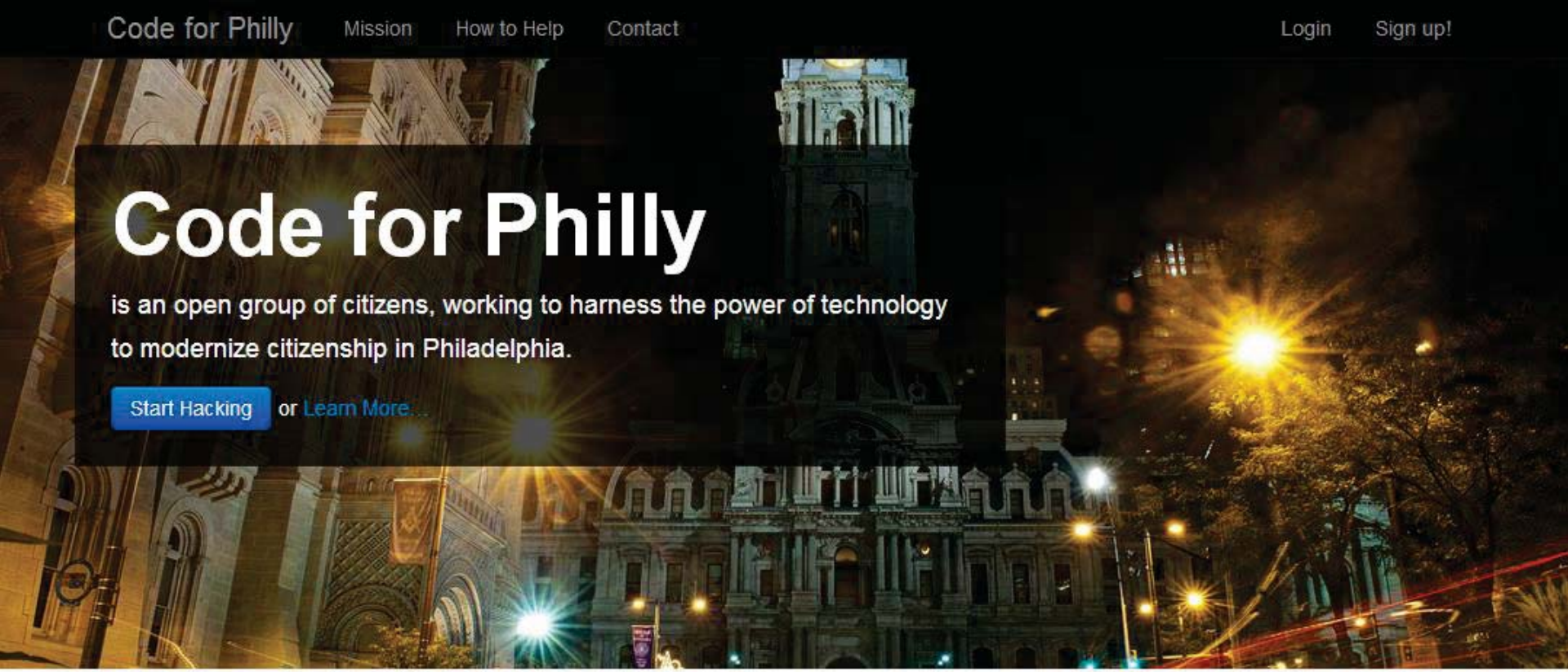


Create more value than you capture

CODE *for* AMERICA

CODE *for* AMERICA

BRIGADE



Projects 61 Add project

by tech | by topic | by hackathon

- PHP 5
- Emergence 4
- Sencha Touch 3
- Node.js 3
- LocalWiki 3
- JavaScript 3
- iOS 2

Latest Project Updates

SEPTA Climate Tracking Update #7

![alt text] (https://lh4.googleusercontent.com/-sVePFmwBFLo/Up6ZJrQKKVI/AAAAAAAADXI/5tshM2XMpk0/w788-h591-no/13+-+1 "1284p breadboard")

Posted on Tue 03 Dec 2013 10:02:15 PM EST by Joshua Meyer

SEPTA Climate Tracking Update #6

Next Meetup

Code for Philly Workshop #59
Tuesday, Dec 10
5:00pm–10:00pm @ Devnuts

RSVP @ meetup.com (5 so far)

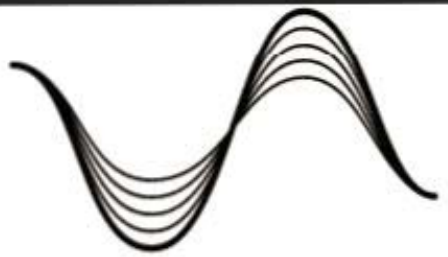
Future Meetups

Code for Philly Workshop #60 @ Azavea
Tuesday, Dec 17
5:00pm–10:00pm @ Azavea

RSVP @ meetup.com (7 so far)

CodeForPhilly.org

azavea
SUMMER of MAPS
GIS



The Eric & Wendy Schmidt

Data Science for Social Good

Summer Fellowship

THE UNIVERSITY OF CHICAGO

DataKind

HOW IT WORKS GET INVOLVED PROJECTS EVENTS ABOUT US BLOG DONATE

Let's use data to change the world. Here's how.

Create new kinds of organizations

New Urban Mechanics: A City Movement Focused on Civic Innovation

Create new kinds of organizations

The Boston Office

The Philadelphia Office

The Next Office

8,000 days

Kevin Kelly

"What we have accomplished on the web in the past 8,000 days since Tim Berners Lee created the first web page is impossible. We have to get better at believing in the impossible."

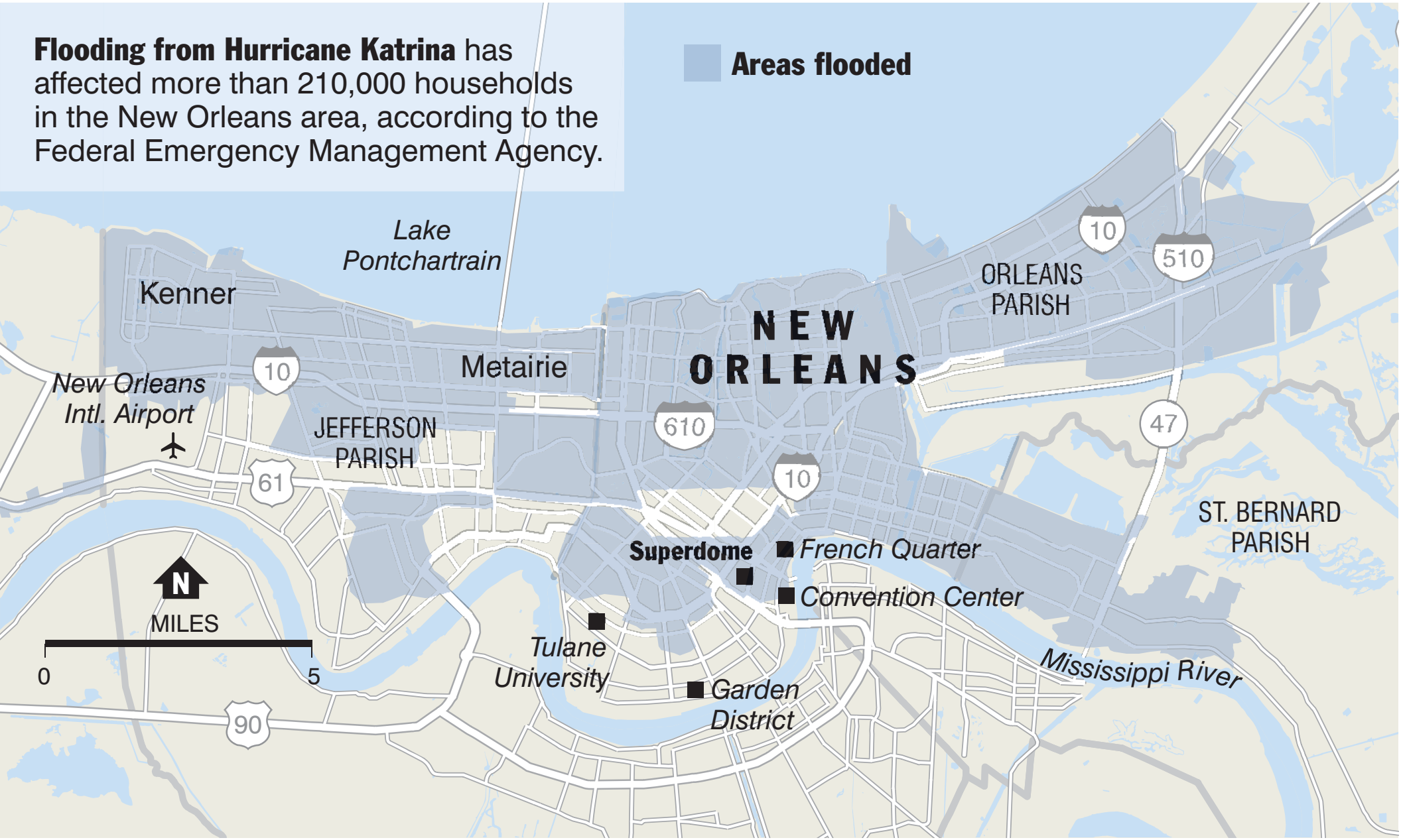
Let’s get to work

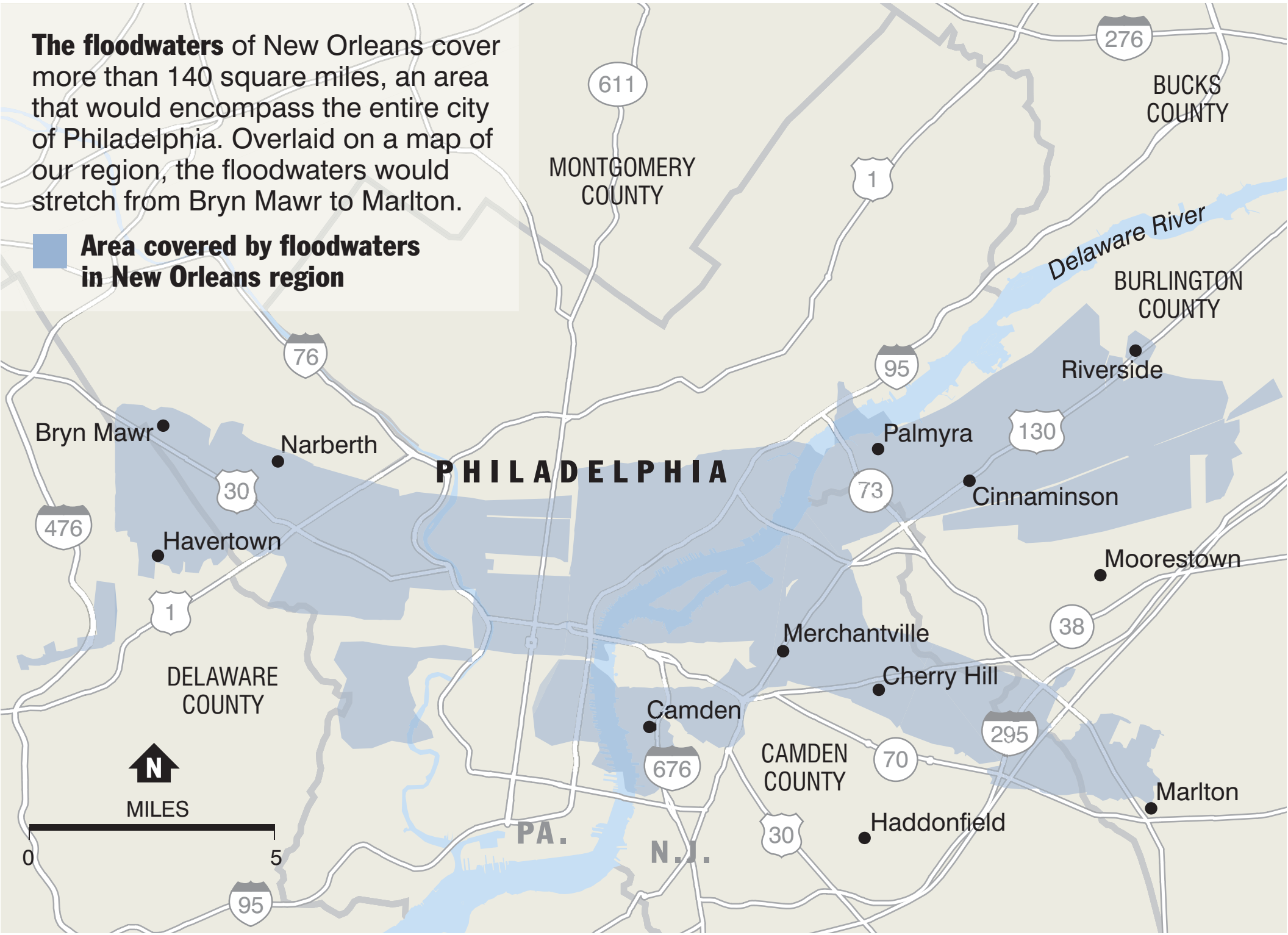
cheetham@azavea.com

@rcheetham

How Journalists Use Geospatial Technology For Reporting

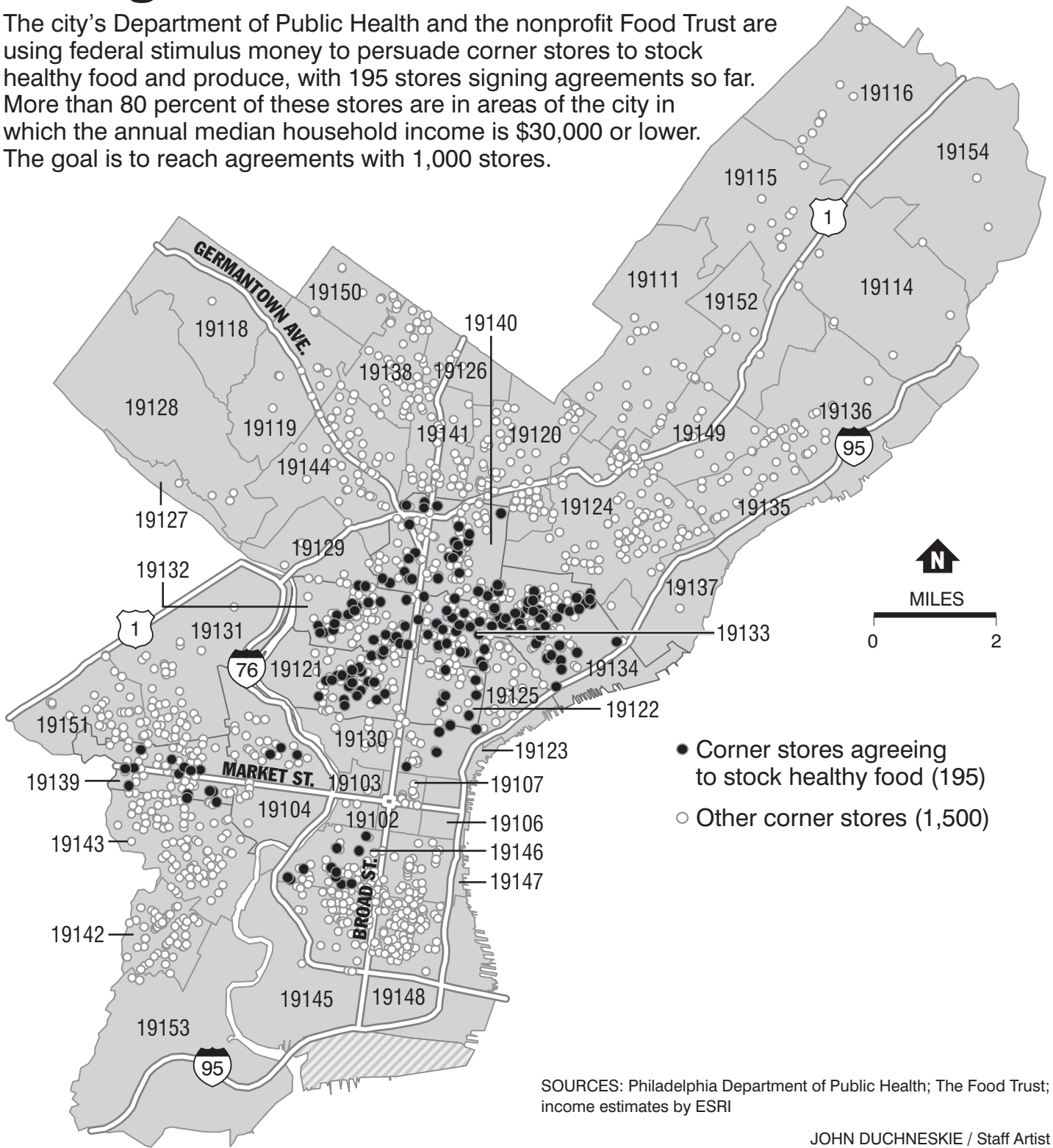
John Duchneskie
Graphics Editor
The Philadelphia Inquirer


Flooding from Hurricane Katrina has affected more than 210,000 households in the New Orleans area, according to the Federal Emergency Management Agency.
Areas flooded
Lake Pontchartrain
Kenner
Metairie
NEW ORLEANS
ORLEANS PARISH
JEFFERSON PARISH
ST. BERNARD PARISH
New Orleans Intl. Airport
Superdome
French Quarter
Convention Center
Tulane University
Garden District
Mississippi River
10
510
610
47
61
90
N
MILES
0
5


The floodwaters of New Orleans cover more than 140 square miles, an area that would encompass the entire city of Philadelphia. Overlaid on a map of our region, the floodwaters would stretch from Bryn Mawr to Marlton.
Area covered by floodwaters in New Orleans region
611
276
BUCKS COUNTY
MONTGOMERY COUNTY
1
Delaware River
BURLINGTON COUNTY
76
95
Riverside
Bryn Mawr
Narberth
Palmyra
130
PHILADELPHIA
30
73
Cinnaminson
476
Havertown
Moorestown
1
38
Merchantville
DELAWARE COUNTY
Cherry Hill
Camden
295
676
CAMDEN COUNTY
70
Marlton
Haddonfield
30
PA.
N.J.
N
MILES
0
5
95

Getting Healthier Food to Corner Stores

The city's Department of Public Health and the nonprofit Food Trust are using federal stimulus money to persuade corner stores to stock healthy food and produce, with 195 stores signing agreements so far. More than 80 percent of these stores are in areas of the city in which the annual median household income is $30,000 or lower. The goal is to reach agreements with 1,000 stores.



SOURCES: Philadelphia Department of Public Health; The Food Trust; income estimates by ESRI

JOHN DUCHNESKIE / Staff Artist

Getting Healthier Food to Corner Stores

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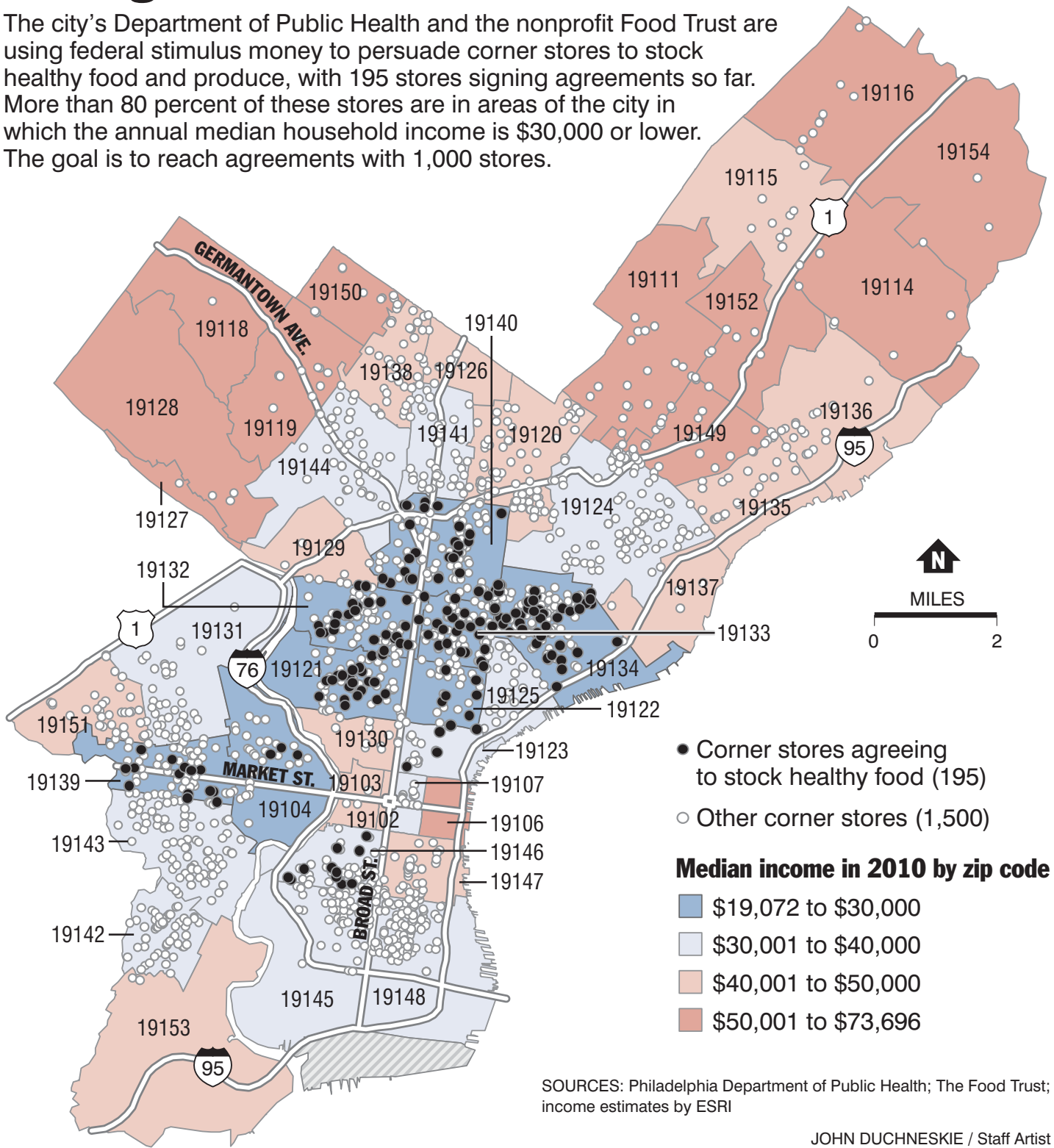
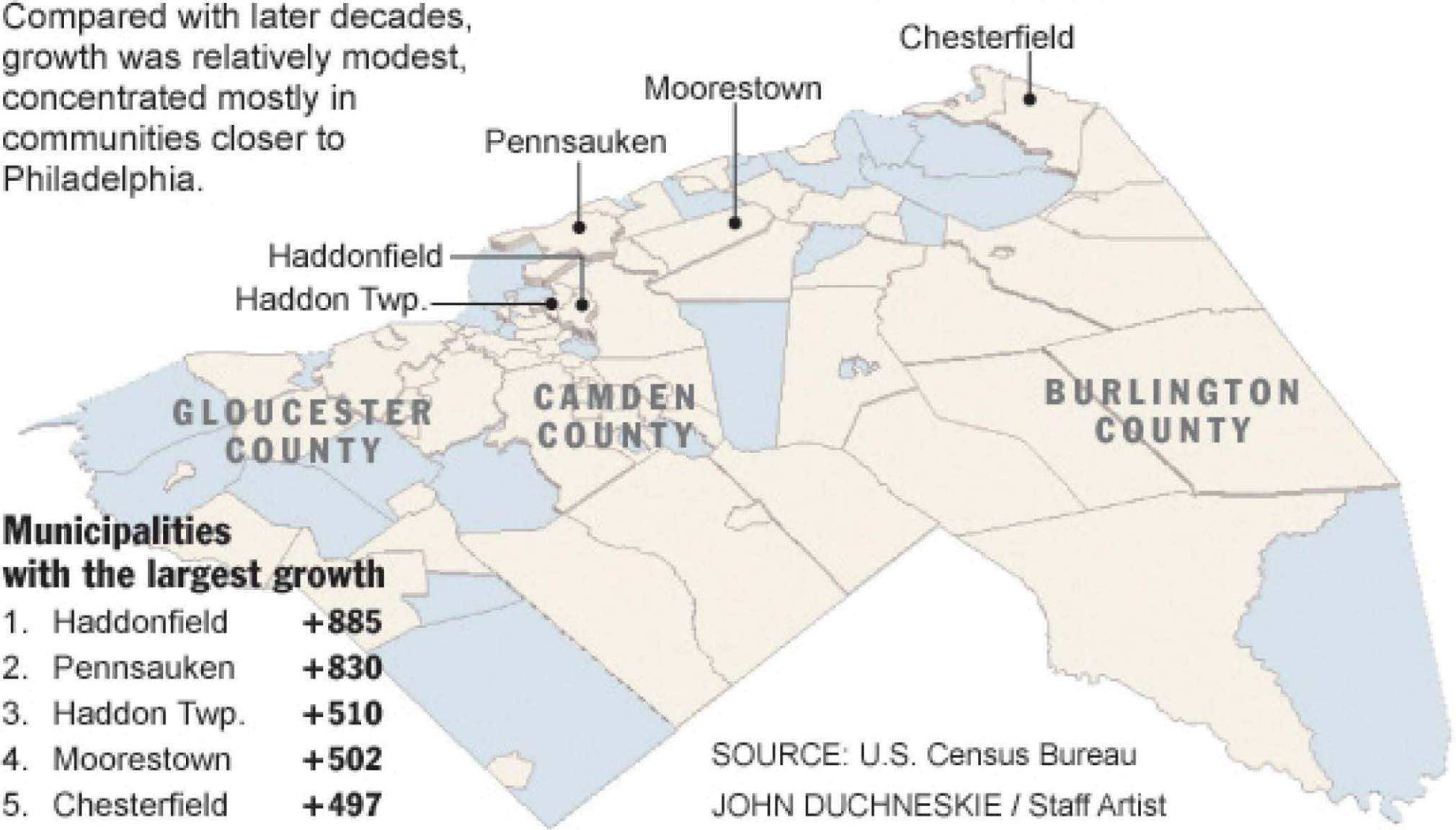


SOURCES: Philadelphia Department of Public Health; The Food Trust; income estimates by ESRI

JOHN DUCHNESKIE / Staff Artist

1930s

Compared with later decades, growth was relatively modest, concentrated mostly in communities closer to Philadelphia.



Municipalities with the largest growth

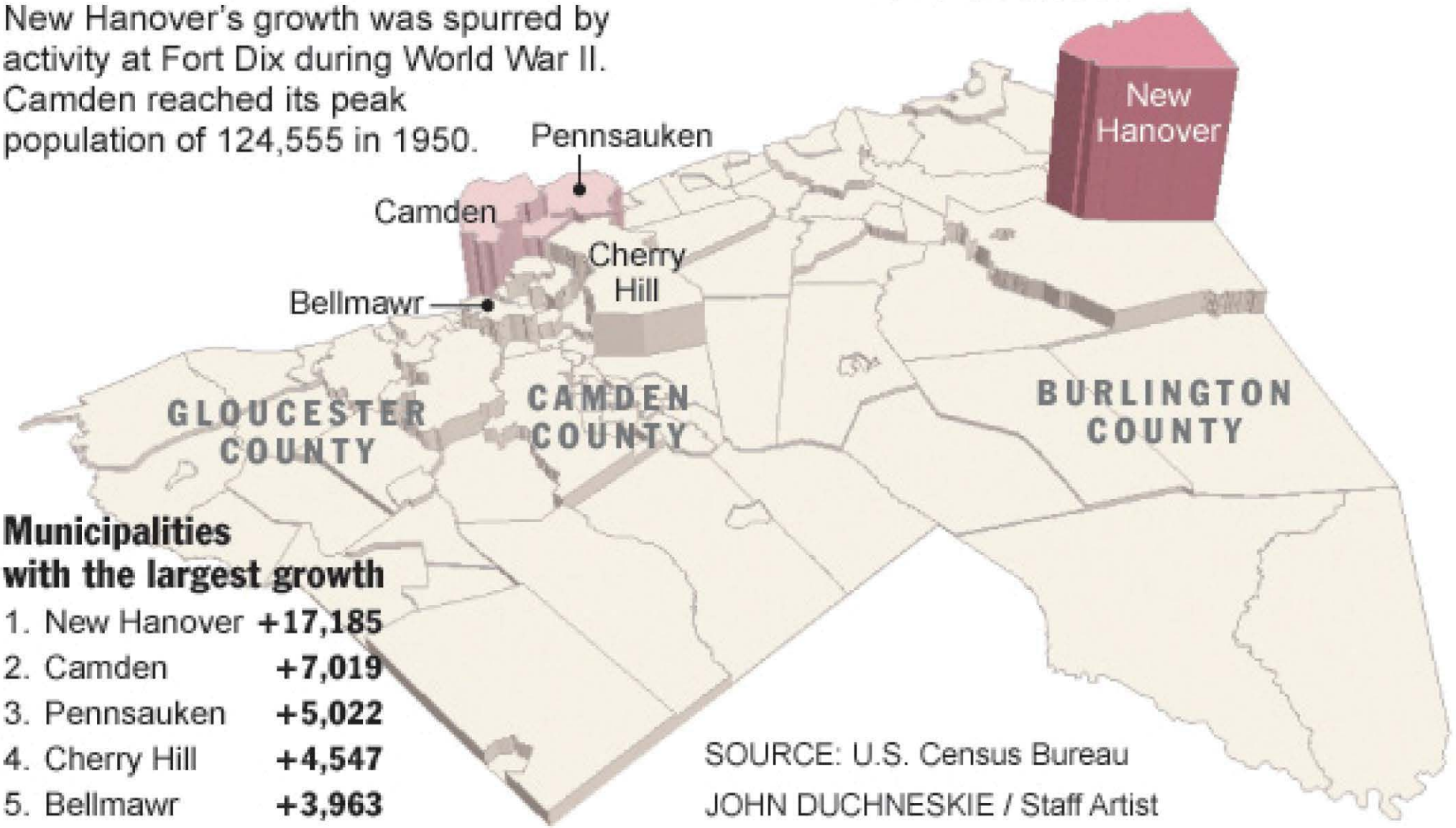
1.	Haddonfield	**+885**
2.	Pennsauken	**+830**
3.	Haddon Twp.	**+510**
4.	Moorestown	**+502**
5.	Chesterfield	**+497**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1940s

New Hanover's growth was spurred by activity at Fort Dix during World War II. Camden reached its peak population of 124,555 in 1950.



Municipalities with the largest growth

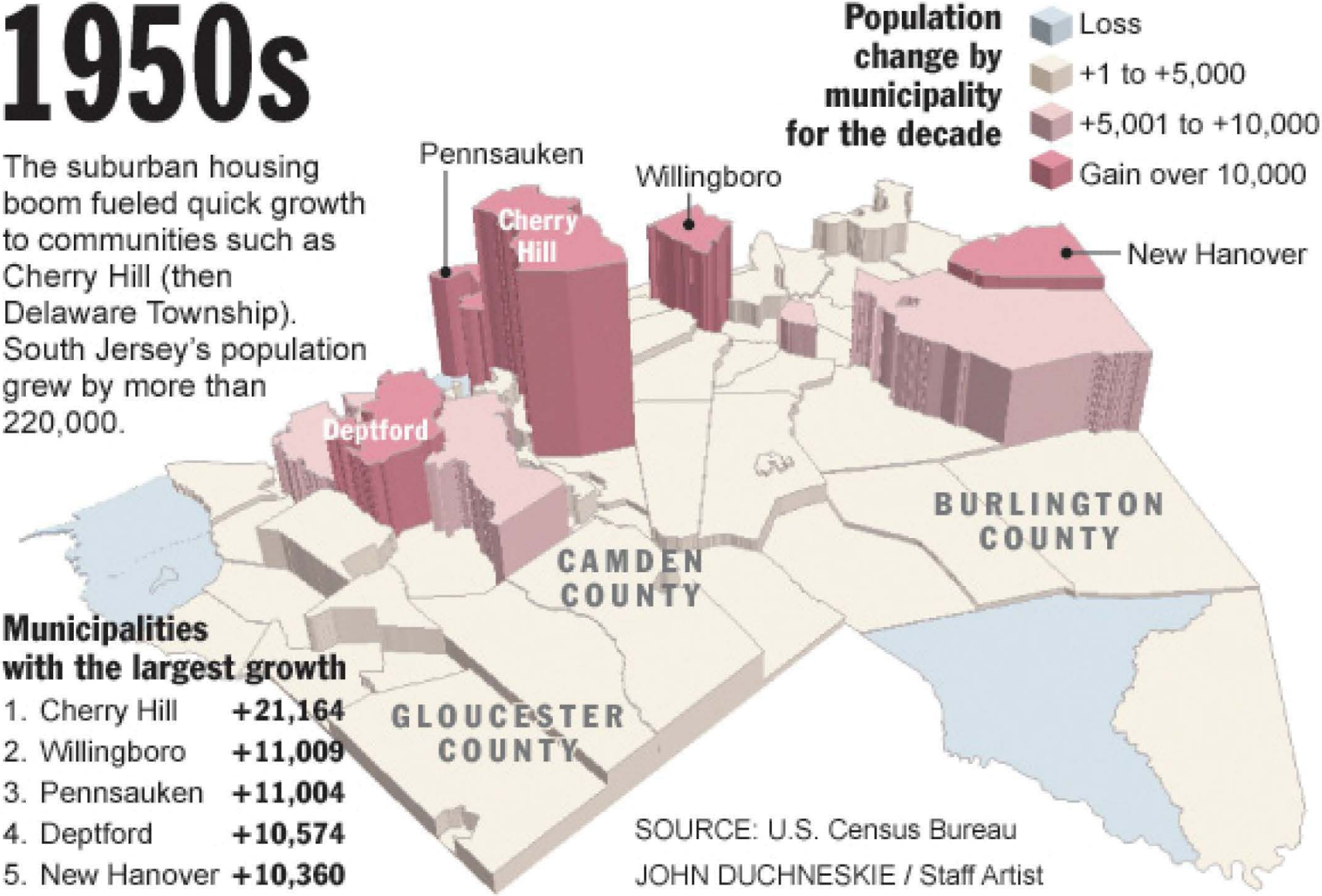
1.	New Hanover	**+17,185**
2.	Camden	**+7,019**
3.	Pennsauken	**+5,022**
4.	Cherry Hill	**+4,547**
5.	Bellmawr	**+3,963**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1950s

The suburban housing boom fueled quick growth to communities such as Cherry Hill (then Delaware Township). South Jersey's population grew by more than 220,000.



Municipalities with the largest growth

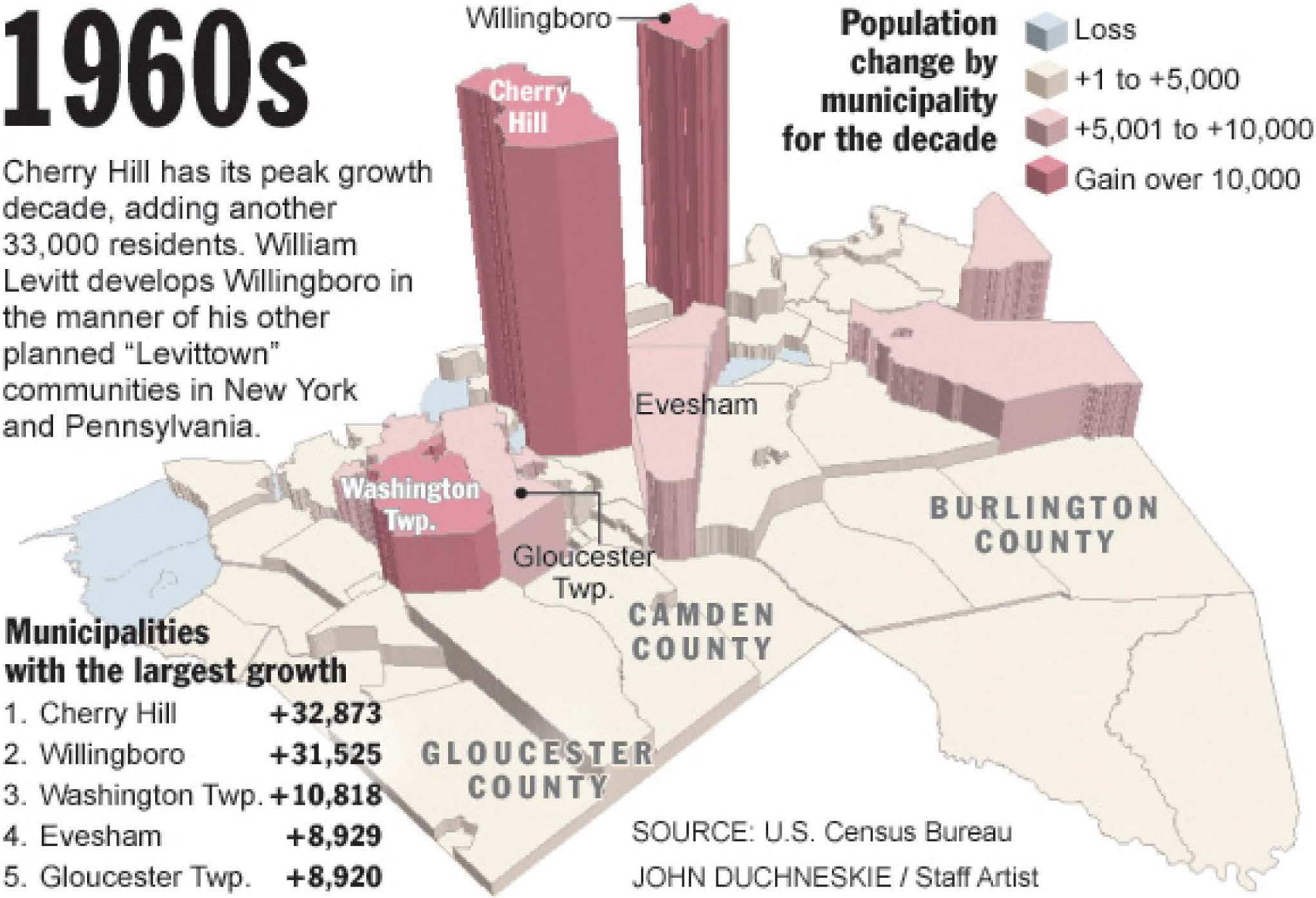
1.	Cherry Hill	**+21,164**
2.	Willingboro	**+11,009**
3.	Pennsauken	**+11,004**
4.	Deptford	**+10,574**
5.	New Hanover	**+10,360**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1960s

Cherry Hill has its peak growth decade, adding another 33,000 residents. William Levitt develops Willingboro in the manner of his other planned "Levittown" communities in New York and Pennsylvania.



Municipalities with the largest growth

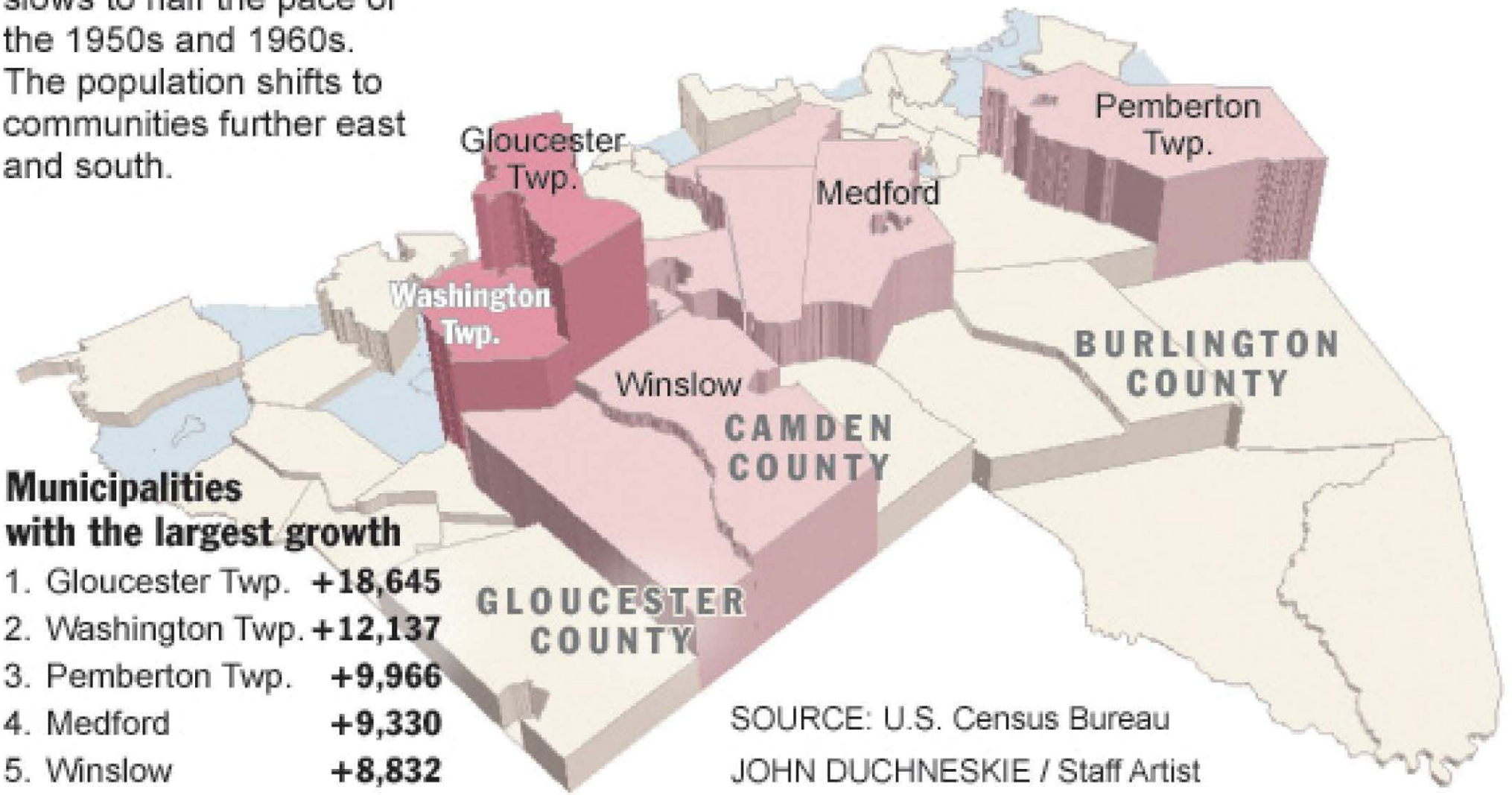
1.	Cherry Hill	**+32,873**
2.	Willingboro	**+31,525**
3.	Washington Twp.	**+10,818**
4.	Evesham	**+8,929**
5.	Gloucester Twp.	**+8,920**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1970s

Growth in South Jersey slows to half the pace of the 1950s and 1960s. The population shifts to communities further east and south.



Municipalities with the largest growth

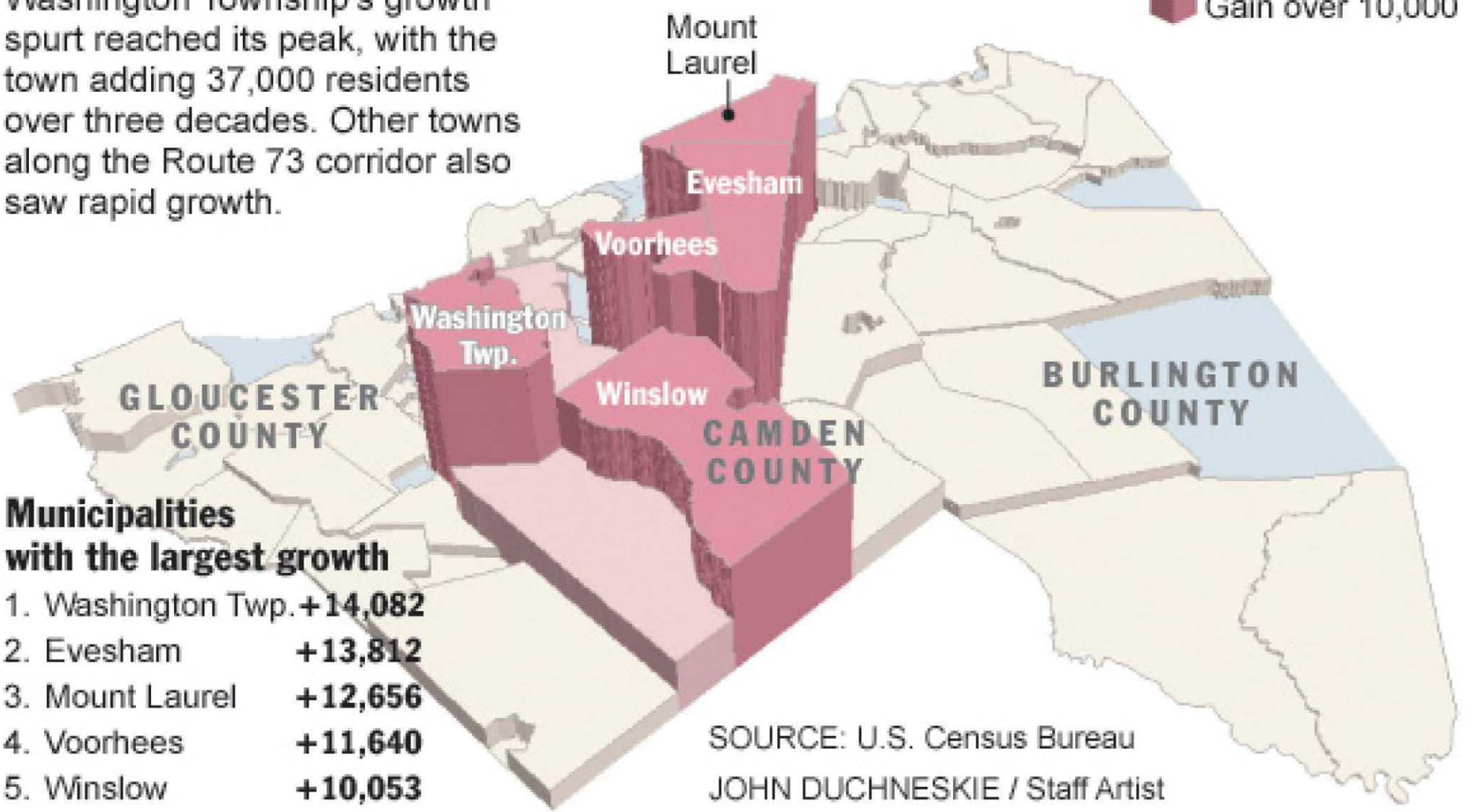
1. Gloucester Twp. **+18,645**
2. Washington Twp. **+12,137**
3. Pemberton Twp. **+9,966**
4. Medford **+9,330**
5. Winslow **+8,832**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1980s

Washington Township's growth spurt reached its peak, with the town adding 37,000 residents over three decades. Other towns along the Route 73 corridor also saw rapid growth.



Municipalities with the largest growth

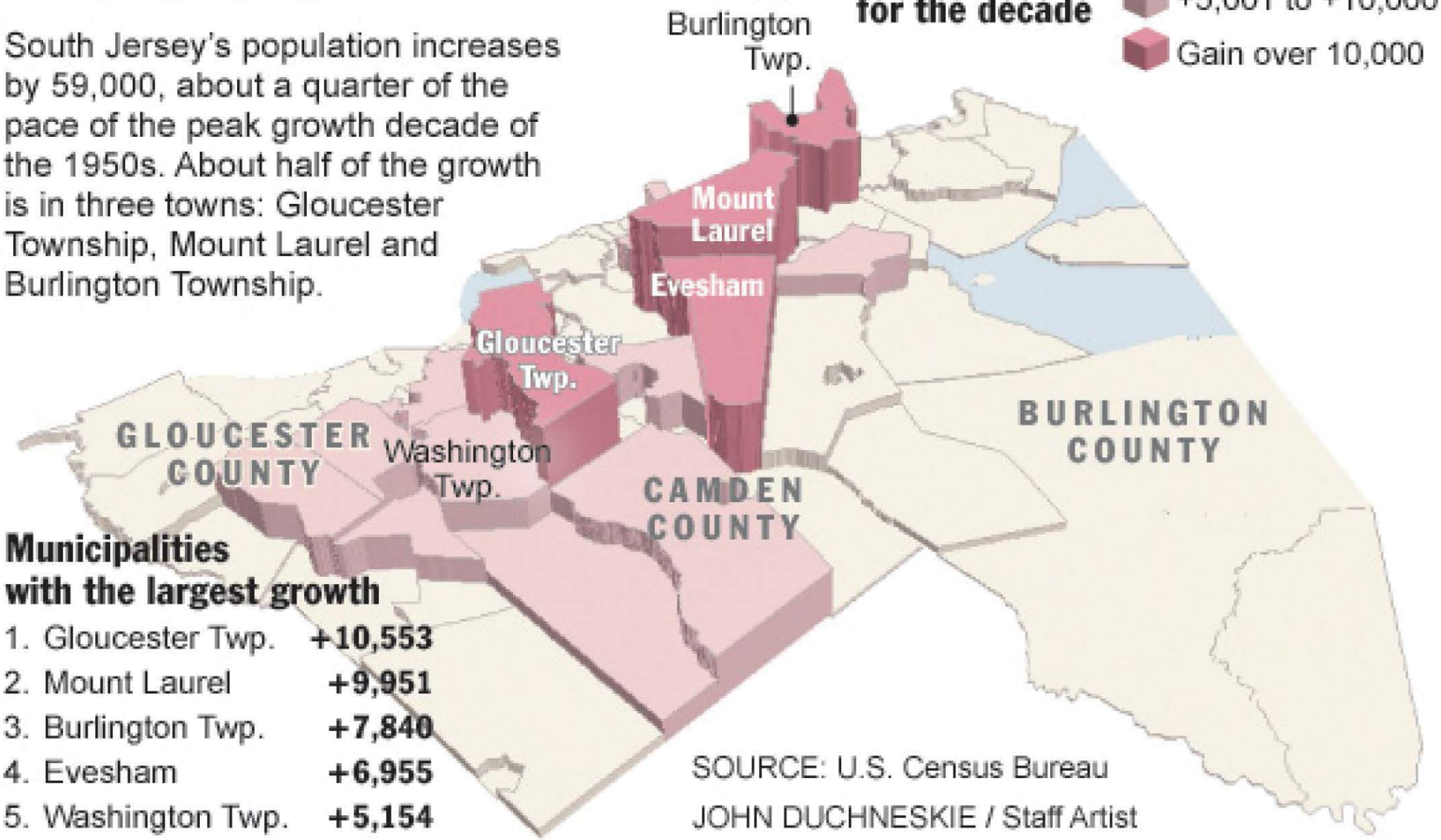
1.	Washington Twp.	**+14,082**
2.	Evesham	**+13,812**
3.	Mount Laurel	**+12,656**
4.	Voorhees	**+11,640**
5.	Winslow	**+10,053**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

1990s

South Jersey's population increases by 59,000, about a quarter of the pace of the peak growth decade of the 1950s. About half of the growth is in three towns: Gloucester Township, Mount Laurel and Burlington Township.



Municipalities with the largest growth

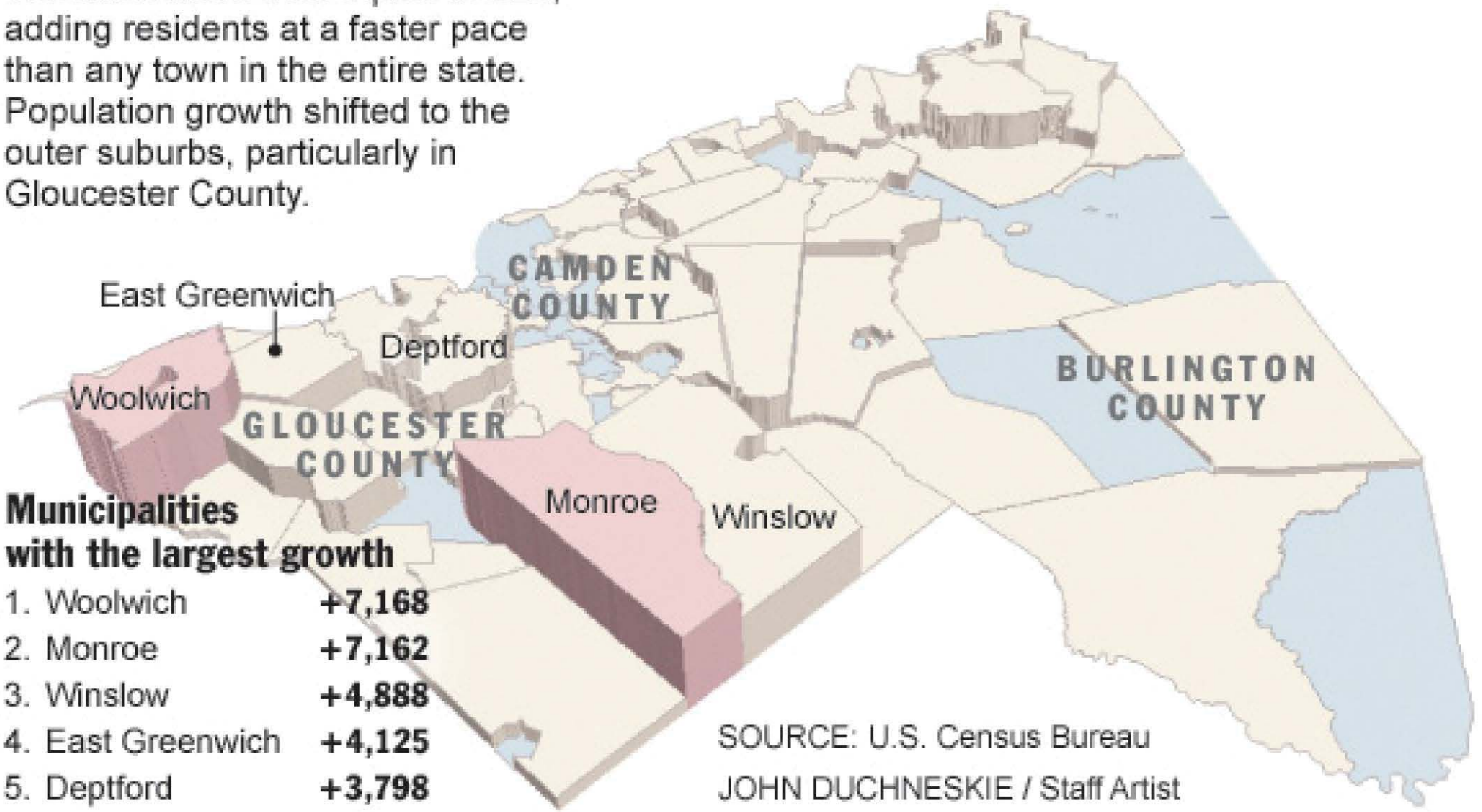
1.	Gloucester Twp.	**+10,553**
2.	Mount Laurel	**+9,951**
3.	Burlington Twp.	**+7,840**
4.	Evesham	**+6,955**
5.	Washington Twp.	**+5,154**

SOURCE: U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

2000s

Woolwich more than tripled in size, adding residents at a faster pace than any town in the entire state. Population growth shifted to the outer suburbs, particularly in Gloucester County.



Municipalities with the largest growth

1.	Woolwich	**+7,168**
2.	Monroe	**+7,162**
3.	Winslow	**+4,888**
4.	East Greenwich	**+4,125**
5.	Deptford	**+3,798**

SOURCE: U.S. Census Bureau

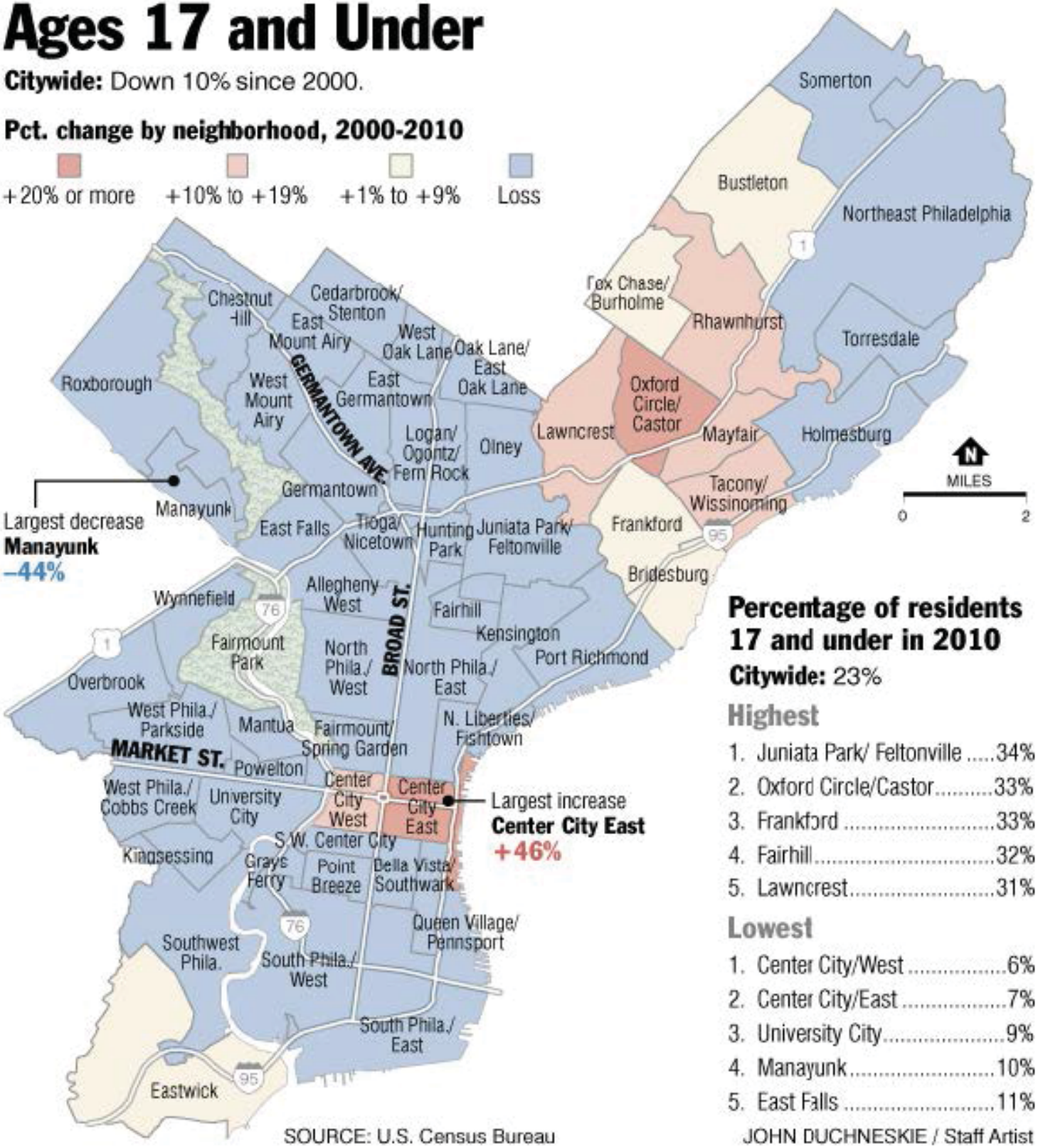
JOHN DUCHNESKIE / Staff Artist

Ages 17 and Under

Citywide: Down 10% since 2000.

Pct. change by neighborhood, 2000-2010

+20% or more | +10% to +19% | +1% to +9% | Loss



Largest decrease
Manayunk
–44%

Largest increase
Center City East
+46%

Percentage of residents 17 and under in 2010

Citywide: 23%

Highest

1. Juniata Park/ Feltonville 34%
2. Oxford Circle/Castor.....33%
3. Frankford 33%
4. Fairhill.....32%
5. Lawncrest.....31%

Lowest

1. Center City/West 6%
2. Center City/East 7%
3. University City.....9%
4. Manayunk.....10%
5. East Falls 11%

SOURCE: U.S. Census Bureau

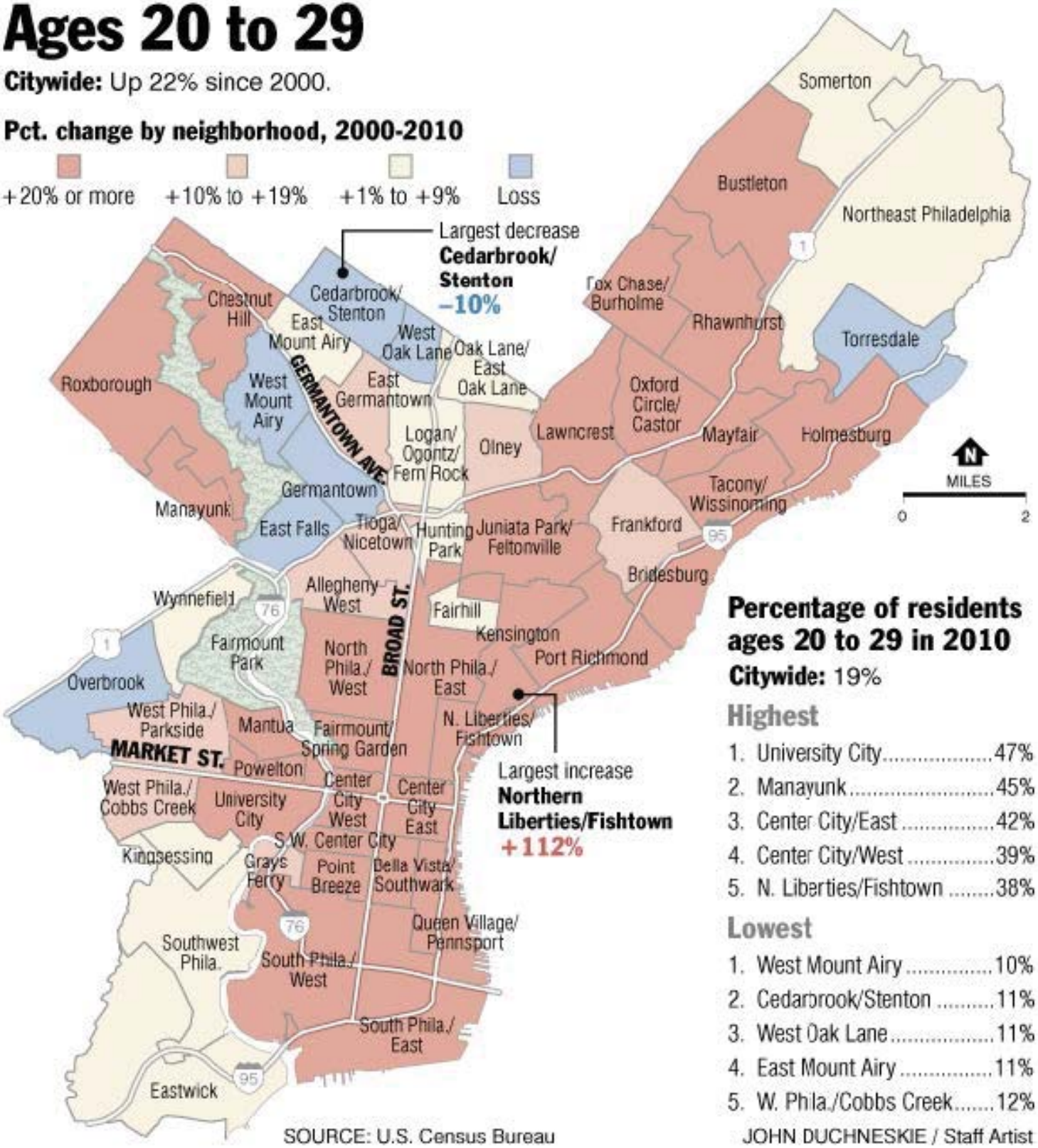
JOHN DUCHNESKIE / Staff Artist

Ages 20 to 29

Citywide: Up 22% since 2000.

Pct. change by neighborhood, 2000-2010

+20% or more | +10% to +19% | +1% to +9% | Loss



SOURCE: U.S. Census Bureau

Percentage of residents ages 20 to 29 in 2010

Citywide: 19%

Highest

1. University City.....47%
2. Manayunk.....45%
3. Center City/East.....42%
4. Center City/West.....39%
5. N. Liberties/Fishtown.....38%

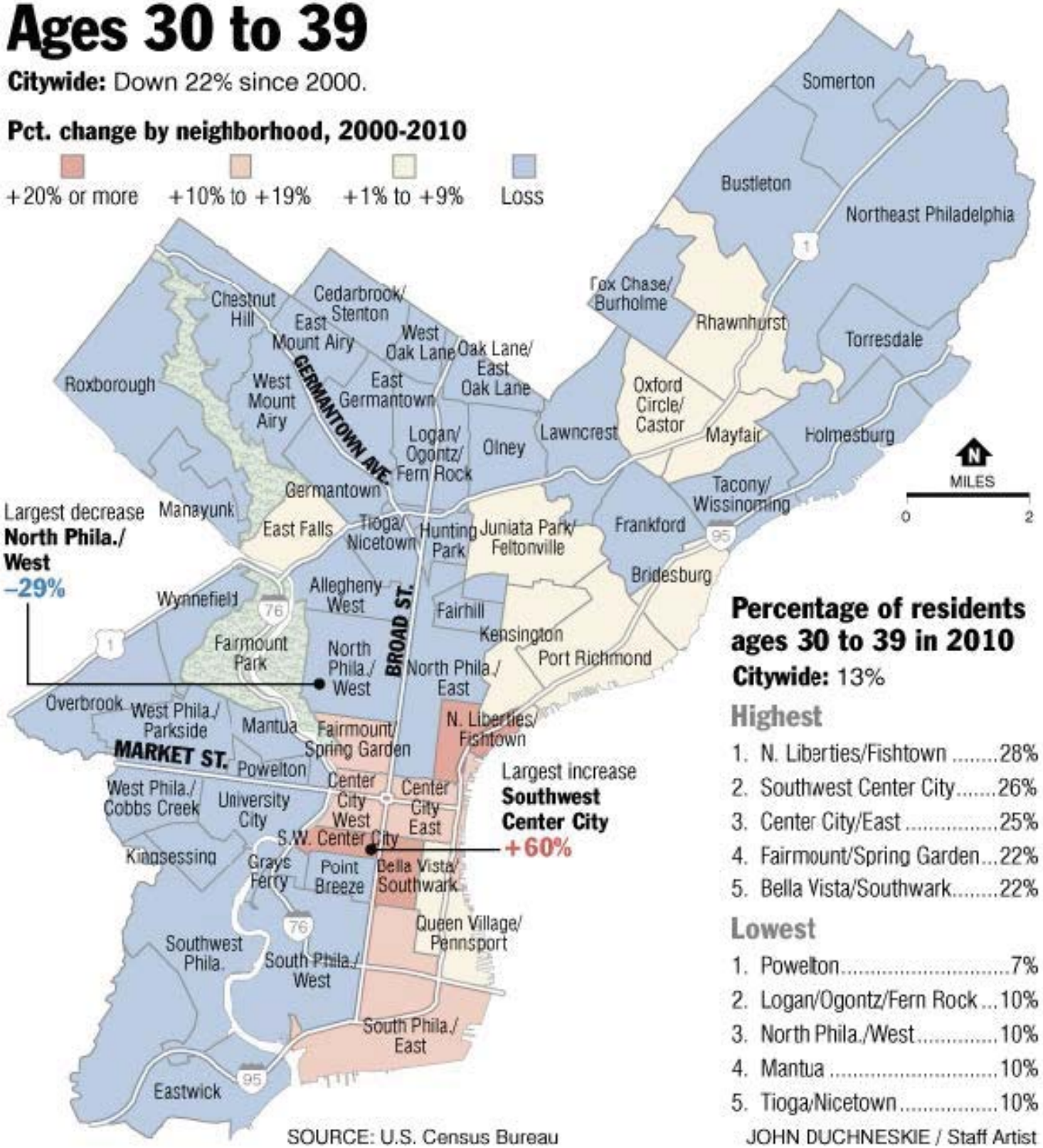
Lowest

1. West Mount Airy.....10%
2. Cedarbrook/Stenton.....11%
3. West Oak Lane.....11%
4. East Mount Airy.....11%
5. W. Phila./Cobbs Creek.....12%

JOHN DUCHNESKIE / Staff Artist

Ages 30 to 39

Citywide: Down 22% since 2000.



Percentage of residents ages 30 to 39 in 2010

Citywide: 13%

Highest

1. N. Liberties/Fishtown 28%
2. Southwest Center City 26%
3. Center City/East 25%
4. Fairmount/Spring Garden ... 22%
5. Bella Vista/Southwark 22%

Lowest

1. Powelton 7%
2. Logan/Ogontz/Fern Rock ... 10%
3. North Phila./West 10%
4. Mantua 10%
5. Tioga/Nicetown 10%

SOURCE: U.S. Census Bureau

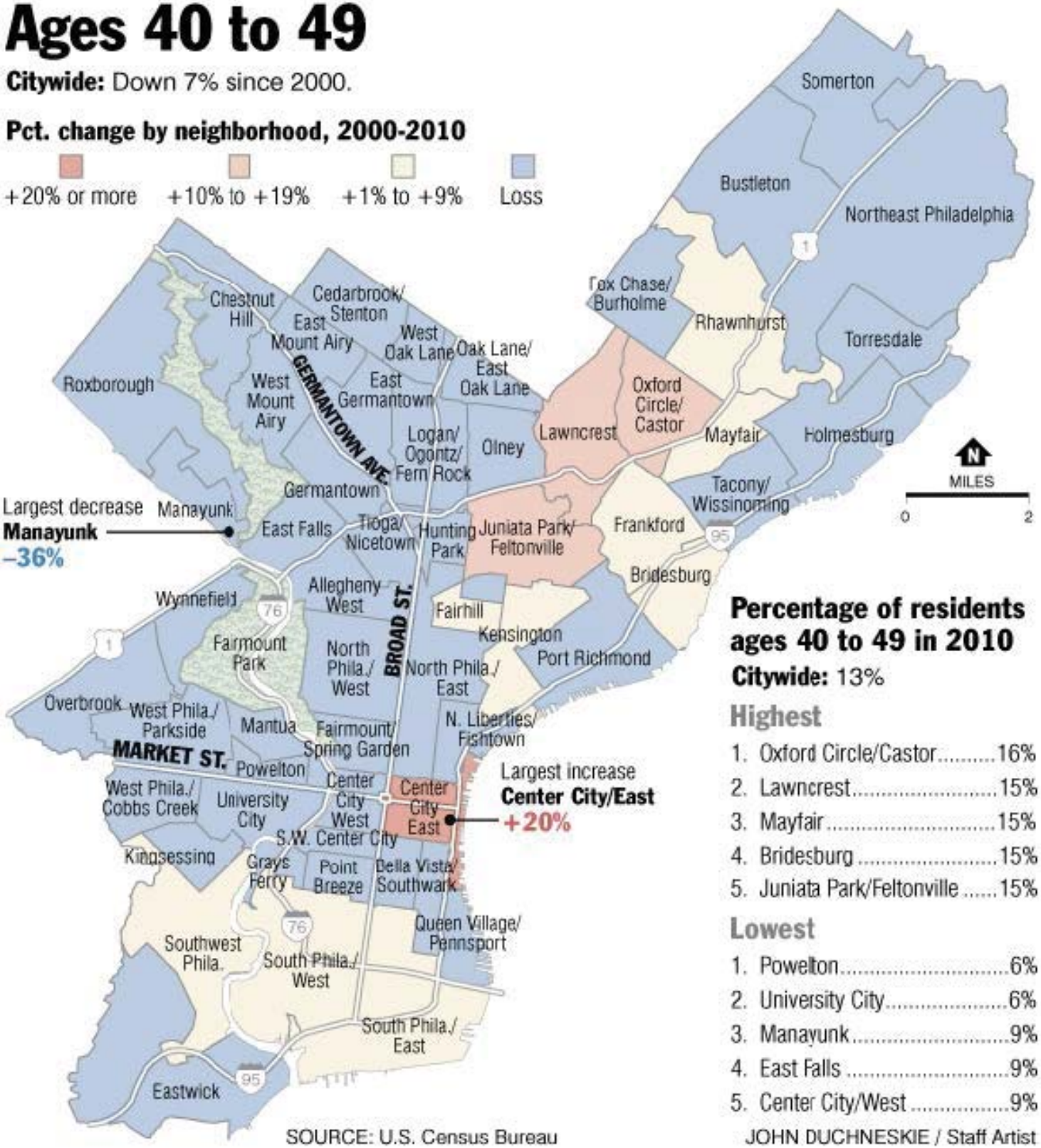
JOHN DUCHNESKIE / Staff Artist

Ages 40 to 49

Citywide: Down 7% since 2000.

Pct. change by neighborhood, 2000-2010

+20% or more | +10% to +19% | +1% to +9% | Loss



SOURCE: U.S. Census Bureau

Percentage of residents ages 40 to 49 in 2010

Citywide: 13%

Highest

1. Oxford Circle/Castor.....16%
2. Lawncrest.....15%
3. Mayfair.....15%
4. Bridesburg.....15%
5. Juniata Park/Feltonville.....15%

Lowest

1. Powelton.....6%
2. University City.....6%
3. Manayunk.....9%
4. East Falls.....9%
5. Center City/West.....9%

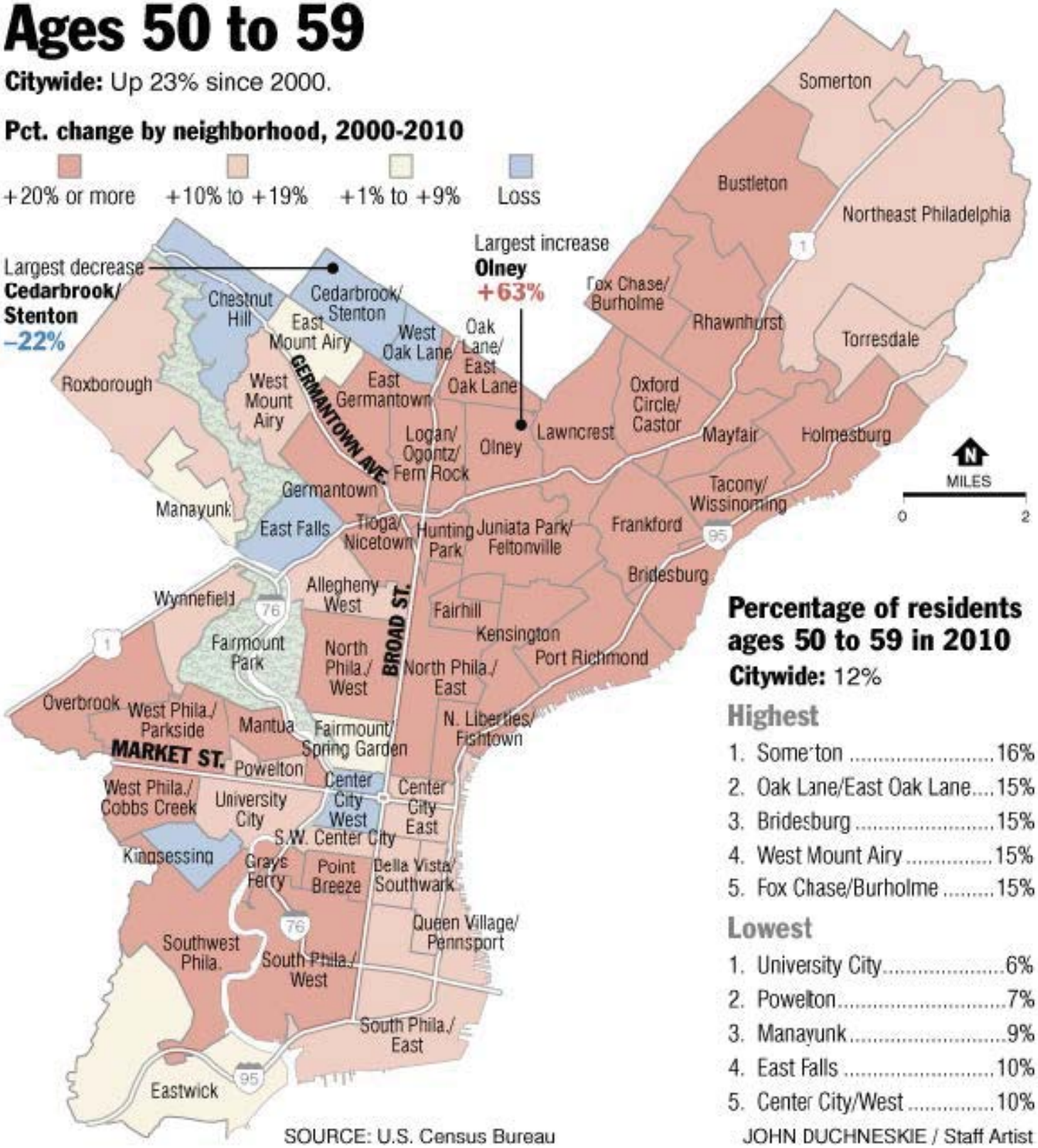
JOHN DUCHNESKIE / Staff Artist

Ages 50 to 59

Citywide: Up 23% since 2000.

Pct. change by neighborhood, 2000-2010

+20% or more | +10% to +19% | +1% to +9% | Loss



SOURCE: U.S. Census Bureau

Percentage of residents ages 50 to 59 in 2010

Citywide: 12%

Highest

1. Somerton 16%
2. Oak Lane/East Oak Lane.... 15%
3. Bridesburg 15%
4. West Mount Airy 15%
5. Fox Chase/Burholme 15%

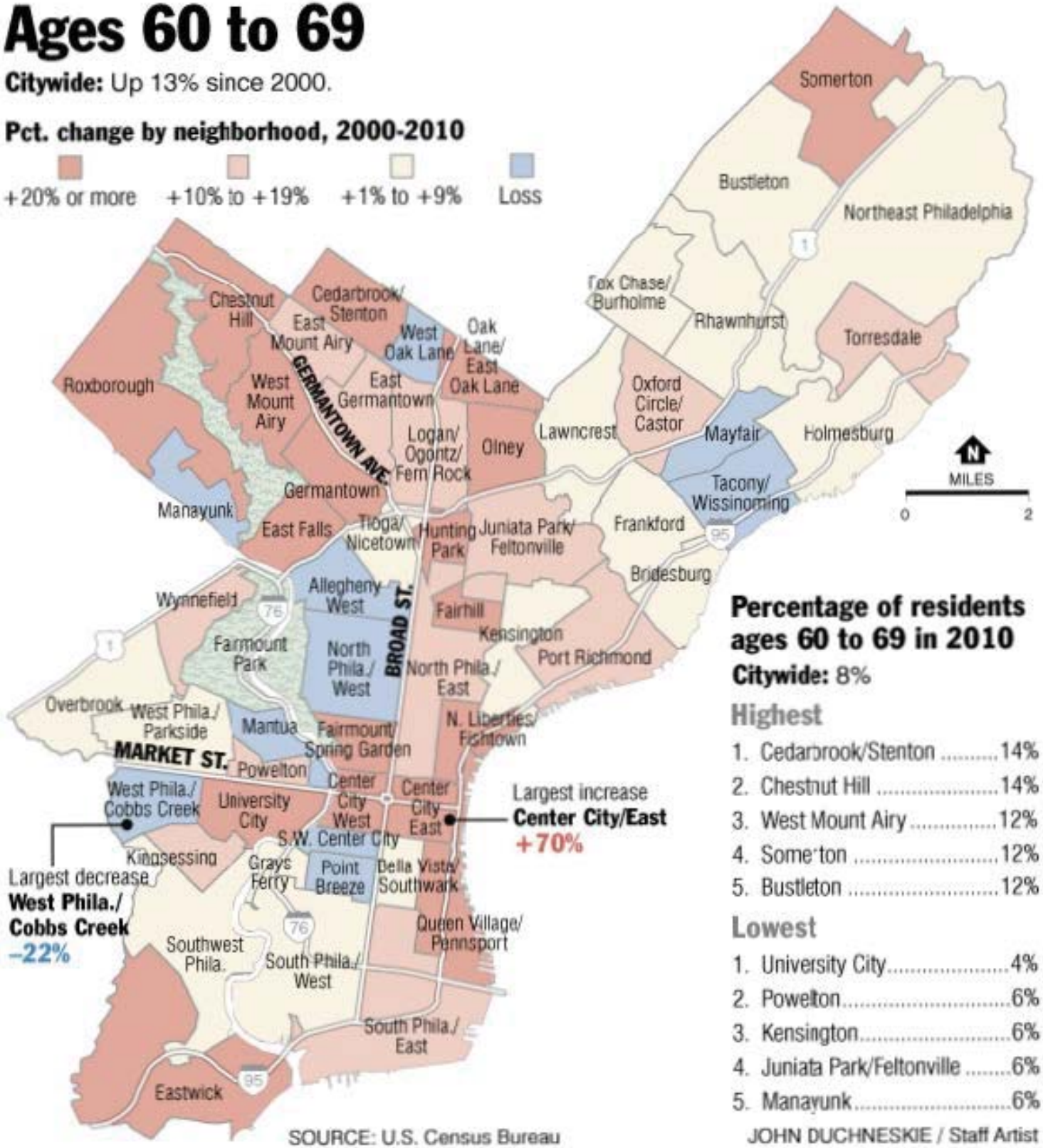
Lowest

1. University City..... 6%
2. Powelton..... 7%
3. Manayunk..... 9%
4. East Falls 10%
5. Center City/West 10%

JOHN DUCHNESKIE / Staff Artist

Ages 60 to 69

Citywide: Up 13% since 2000.



SOURCE: U.S. Census Bureau

Percentage of residents ages 60 to 69 in 2010

Citywide: 8%

Highest

1. Cedarbrook/Stenton 14%
2. Chestnut Hill 14%
3. West Mount Airy 12%
4. Somerton 12%
5. Bustleton 12%

Lowest

1. University City 4%
2. Powelton 6%
3. Kensington 6%
4. Juniata Park/Feltonville 6%
5. Manayunk 6%

JOHN DUCHNESKIE / Staff Artist

Center City gets younger

More folks in their 20s, 30s have been settling there.

By Jeff Gammage, John Duchneskie, and Dylan Purcell
INQUIRER STAFF WRITERS

The beat of a lively downtown is evident in full tables at restaurants such as El Vez, in lines to see movies at the Ritz theaters, and even in the strut of the dog walkers who traverse Rittenhouse Square.

That energy is no illusion.

An explosion of 20- and 30-somethings is changing the look of Philadelphia — and helping to drive a dining, shopping, and arts scene that thrives in the face of a dismal economy.

New census figures document the youth movement:

• Northern Liberties had dramatic growth in the number of people in their 20s and 30s, up 77 percent in 10 years. The neighborhood gained 2,500 more young adults — who now constitute a majority, leaping from 37 percent to 53 percent of neighborhood residents.

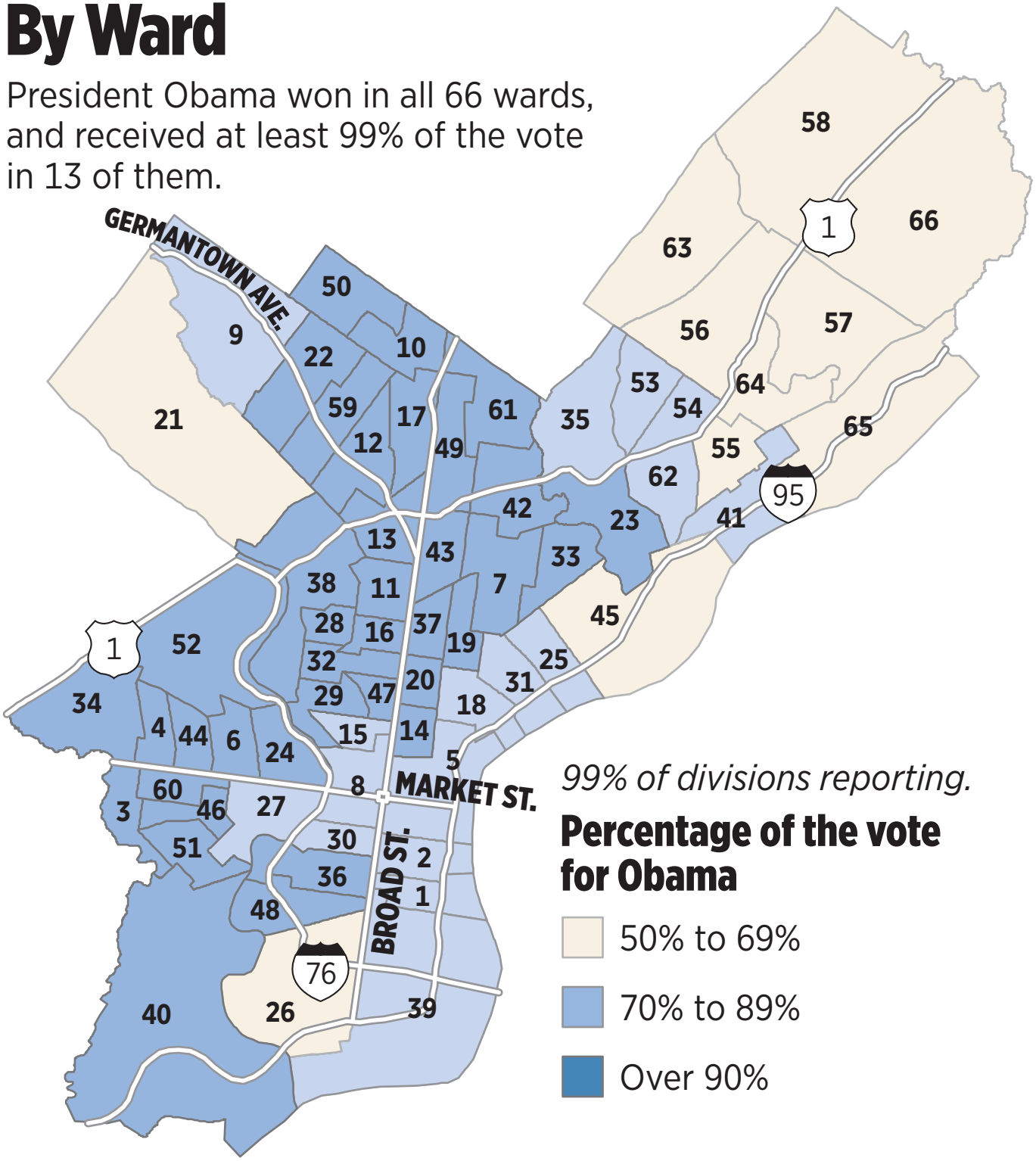
See **CENSUS** on A16

TOM GRALISH / Staff Photographer

Dining, shopping, arts are magnets that have made young adults a majority in some areas, the census reports. This is 18th and Locust.

Philadelphia Vote for President, By Ward

President Obama won in all 66 wards, and received at least 99% of the vote in 13 of them.



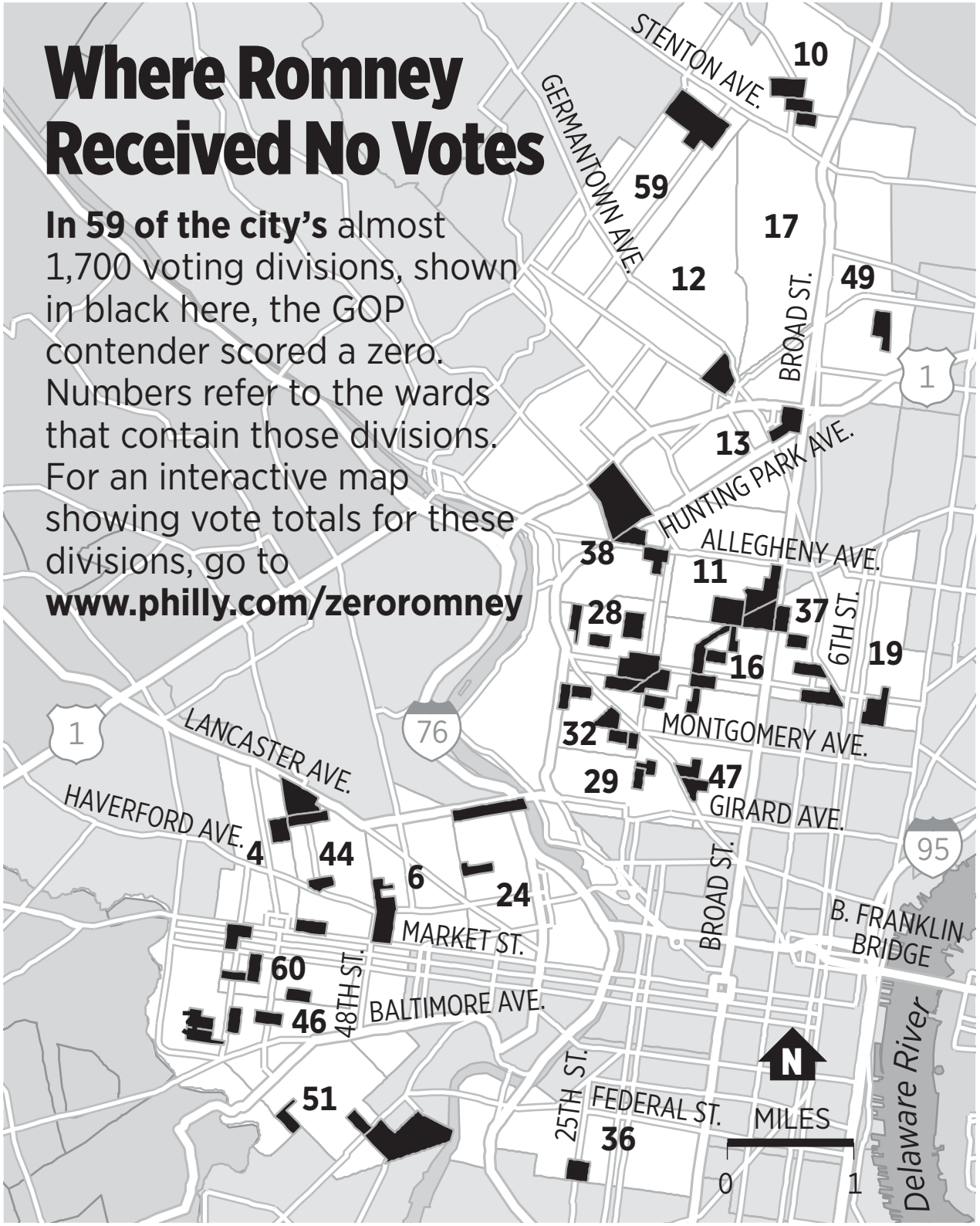
99% of divisions reporting.

Percentage of the vote for Obama

- 50% to 69%
- 70% to 89%
- Over 90%

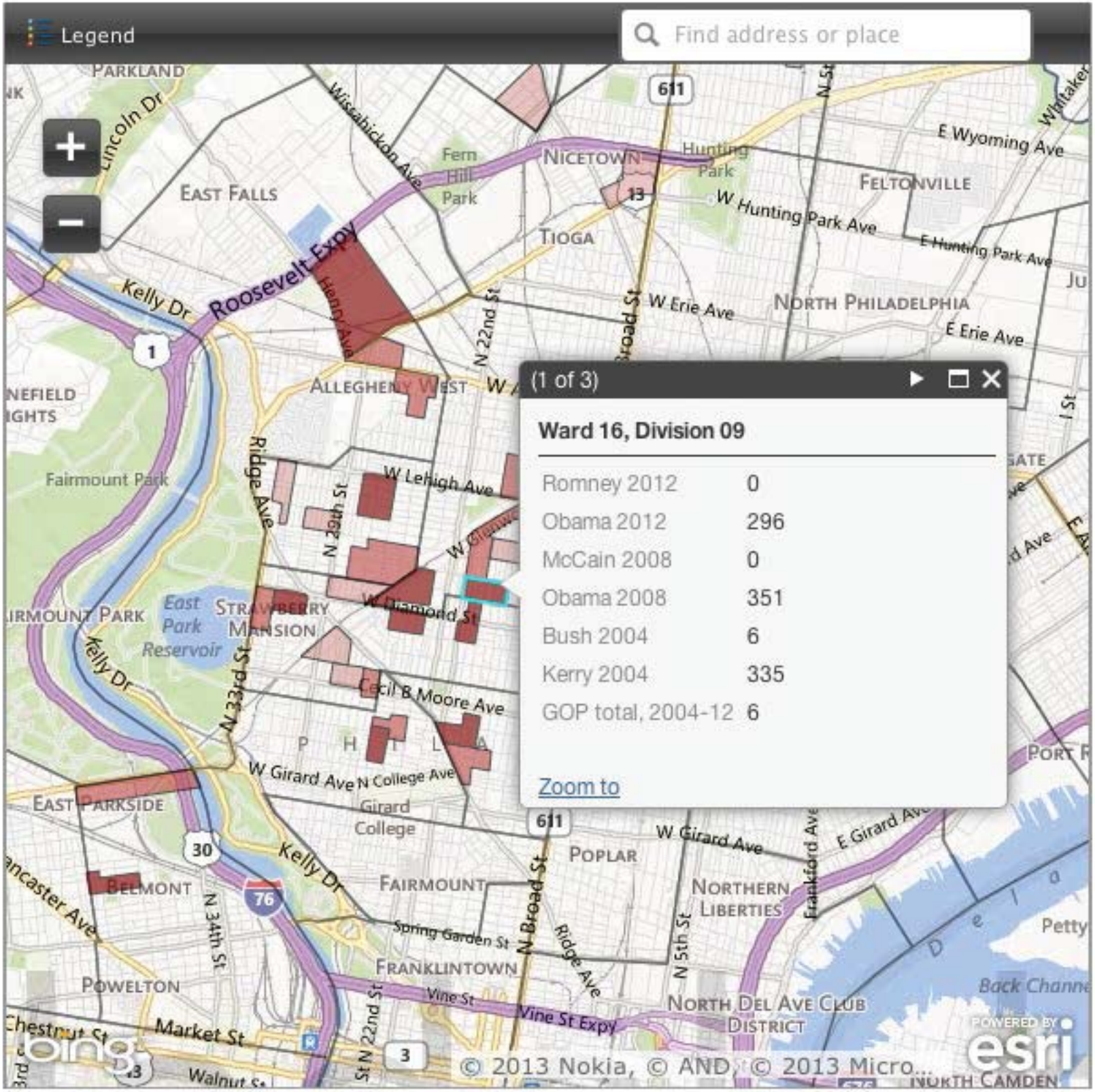
Where Romney Received No Votes

In 59 of the city's almost 1,700 voting divisions, shown in black here, the GOP contender scored a zero. Numbers refer to the wards that contain those divisions. For an interactive map showing vote totals for these divisions, go to **www.philly.com/zeroromney**



SOURCE: Philadelphia City Commissioners

JOHN DUCHNESKIE / Staff Artist


Legend
Find address or place
(1 of 3)
Ward 16, Division 09
Romney 2012 0
Obama 2012 296
McCain 2008 0
Obama 2008 351
Bush 2004 6
Kerry 2004 335
GOP total, 2004-12 6
Zoom to
Parkland
Lincoln Dr
East Falls
Wissahickon Ave
Fern Hill Park
Nicetown
Hunting Park
Feltonville
E Wyoming Ave
W Hunting Park Ave
E Hunting Park Ave
Tioga
Roosevelt Expy
Kelly Dr
Henry Ave
N 22nd St
Broad St
W Erie Ave
North Philadelphia
E Erie Ave
Allegheny West
Fairmount Park
Ridge Ave
W Lehigh Ave
N 29th St
W Diamond St
East Park Reservoir
Strawberry Mansion
Kelly Dr
N 33rd St
Cecil B Moore Ave
W Girard Ave
N College Ave
Girard College
East Parkside
Poplar
W Girard Ave
E Girard Ave
Belmont
Fairmount
Northern Liberties
Spring Garden St
N Broad St
Ridge Ave
N 5th St
Frankford Ave
N 34th St
Franklintown
Powelton
Vine St
Vine St Expy
North Del Ave Club District
Market St
Chestnut St
Walnut St
Petty
Back Channel
North Camden
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By JAKE MILLER / CBS NEWS / February 8, 2013, 5:00 PM

Romney earned zero votes in some urban precincts

Republican presidential candidate, Mitt Romney, speaks at the podium as he concedes the presidency during Mitt Romney's campaign election night event at the Boston Convention & Exhibition Center on November 7, 2012 in Boston, Massachusetts. ALEX WONG/GETTY IMAGES

1 Comment / Shares / Tweets / Stumble / Email More +

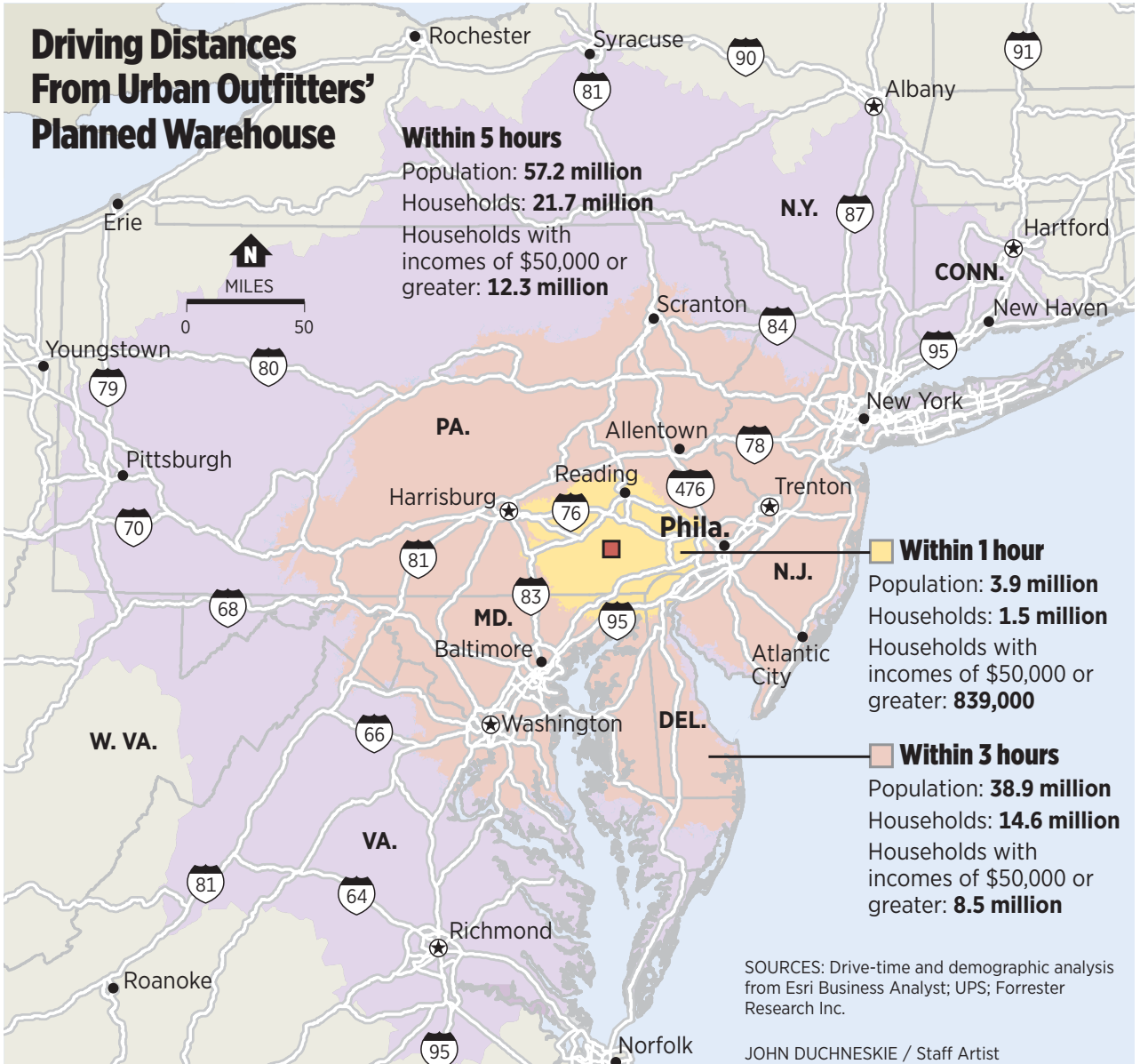
President Obama's victory over Mitt Romney in last Tuesday's presidential election was driven, in part, by the president's strength in urban areas, where robust support cushioned the incumbent against electoral deficits in rural America. But almost a week after the election, it is now becoming clear just how lopsided President Obama's victory was in some cities: in dozens of urban precincts, Mitt Romney earned literally zero votes.

The Phildadelphia Inquirer reported today that, in 59 precincts in inner-city Philadelphia, the GOP nominee received not a single vote. And according to the Cleveland Plain Dealer, nine precincts in Cleveland returned zero Romney votes.

UPS hubs
UPS centers
PA.
81
476
78
Allentown
Urban Outfitters' planned warehouse
Harrisburg
Carlisle
Lancaster
76
81
76
King of Prussia
Chambersburg
York
Phila.
Gettysburg
West Chester
N
1
Hanover
Wilmington
MILES
Hagerstown
95
MD.
83
0
25
DEL.
N.J.

For Retailers, the Need For Speed Leads to Pa.

Urban Outfitters' planned $110 million warehouse in Gap, Lancaster County, is the latest move among retailers that are investing heavily in massive fulfillment centers to entice online customers with same- and next-day delivery. Many retailers have built these centers in southern Pennsylvania, lured by proximity to hubs for parcel-delivery services such as UPS, and a network of highways that can reach millions of customers within hours.



SOURCES: Drive-time and demographic analysis from Esri Business Analyst; UPS; Forrester Research Inc.

JOHN DUCHNESKIE / Staff Artist

Retail giants swarm online

Store-based operations are putting warehouses near here.

By Maria Panaritis
INQUIRER STAFF WRITER

They are rising in farm country west of King of Prussia like giant garrisons positioned to deploy packages to shoppers up and down the Atlantic Coast: automated warehouses of herculean proportions aimed at moving online orders to people's doorsteps in just hours.

Philadelphia's Urban Outfitters Inc. is among a rush of titanic store-based retailers spending staggering sums to open online fulfillment centers closer than ever to customers, in a red-hot patch of Pennsylvania along the state's toll-free I-81 spine.

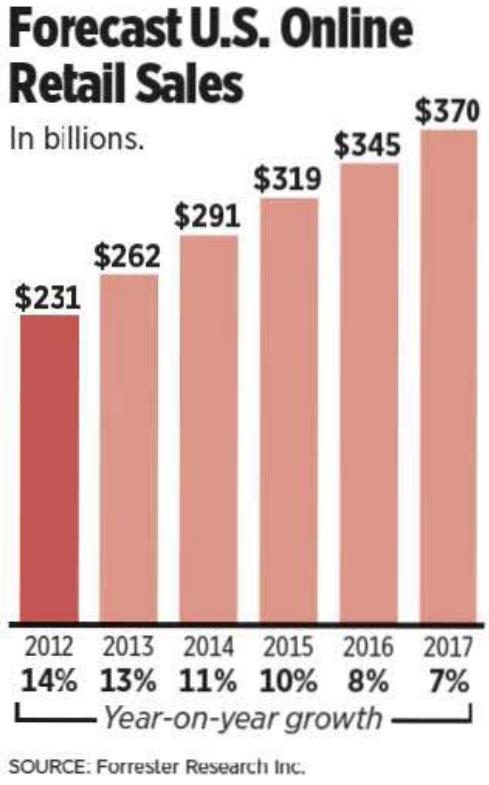
Development officials say they are witnessing a surge of interest in building warehouses that can pick, pack, and ship people's orders at lightning speed. The mad dash is fueled by the promise of same-day and overnight delivery, an ante set by Internet-only Amazon, a $61 billion player whose own billions spent thus far are a powerful incentive.

"Their job," e-commerce expert Michael Golden said of Amazon, "is to make sure you don't want to shop anywhere else."

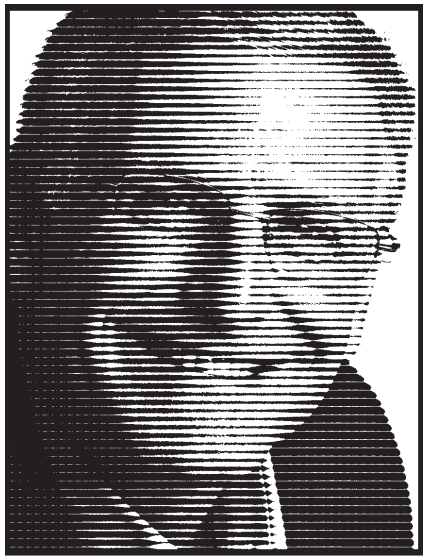
Stepping up its game Oct. 7 with a big-money announcement was Philadelphia-based Urban, a front-runner in e-commerce.

The retailer, with headquarters at the Navy Yard, announced it would break ground this month on a million-square-foot center on 52 acres in Lancaster County for products span-

See **INTERNET** on A4



Big cities rarely realize the fiscal impact of depopulation. One solution: Realign density by "clear-cutting" land use.



Joel L. Naroff
Random Economics

Detroit is bankrupt — will Philadelphia follow?

Should our city pursue the solutions currently in vogue, or do we look for other approaches? My view is that if you have a brain tumor, you don't get relief by treating the headache it causes, since you will still die from the cancer. Failing to address the underlying causes of the financial problems will only lay the founda-

North 21st Street, Philadelphia. Even if few still live on a block, the city must provide services. ELIZABETH ROBERTSON / Staff Photographer

Unfortunately, this is a harsh solution with huge human costs. People must be relocated, hopefully to better areas with improved housing. Indeed, new housing must be developed first so the receiving neighborhoods are more desirable alternatives. Though “clear-cutting” increases density, most of those relocated will be poor, who have little other than their homes. And let’s face it — there is a racial component to this. This reminds people of urban renewal, which was nicknamed “black removal.” That makes it difficult to even consider such a policy, let alone implement it.

Joel L. Naroff
Random Economics

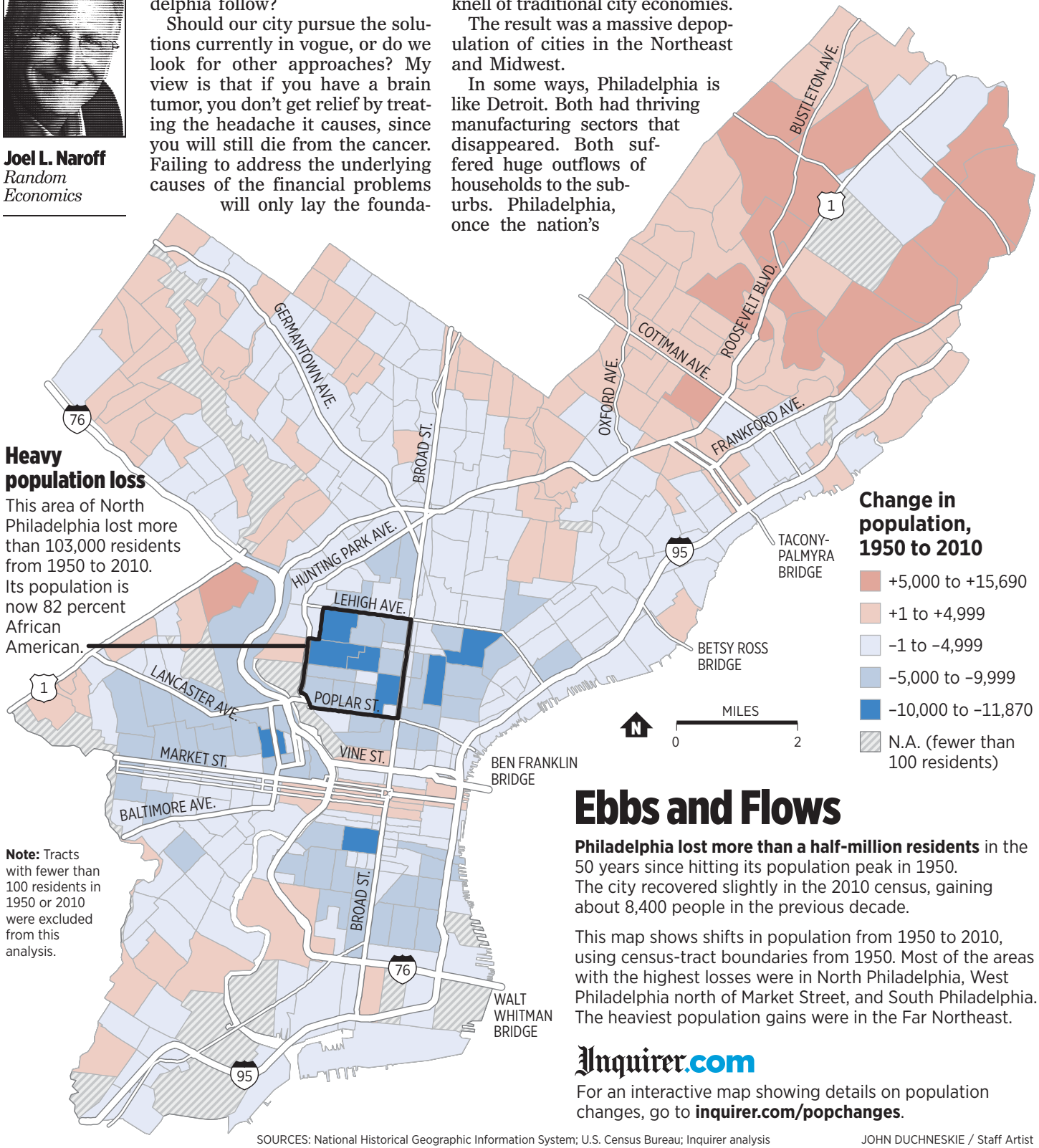
delphia follow?

Should our city pursue the solutions currently in vogue, or do we look for other approaches? My view is that if you have a brain tumor, you don't get relief by treating the headache it causes, since you will still die from the cancer. Failing to address the underlying causes of the financial problems will only lay the founda-

knell of traditional city economies.

The result was a massive depopulation of cities in the Northeast and Midwest.

In some ways, Philadelphia is like Detroit. Both had thriving manufacturing sectors that disappeared. Both suffered huge outflows of households to the suburbs. Philadelphia, once the nation's



Heavy population loss

This area of North Philadelphia lost more than 103,000 residents from 1950 to 2010. Its population is now 82 percent African American.

Change in population, 1950 to 2010

- +5,000 to +15,690
- +1 to +4,999
- –1 to –4,999
- –5,000 to –9,999
- –10,000 to –11,870
- N.A. (fewer than 100 residents)

Note: Tracts with fewer than 100 residents in 1950 or 2010 were excluded from this analysis.

Ebbs and Flows

Philadelphia lost more than a half-million residents in the 50 years since hitting its population peak in 1950. The city recovered slightly in the 2010 census, gaining about 8,400 people in the previous decade.

This map shows shifts in population from 1950 to 2010, using census-tract boundaries from 1950. Most of the areas with the highest losses were in North Philadelphia, West Philadelphia north of Market Street, and South Philadelphia. The heaviest population gains were in the Far Northeast.

Inquirer.com

For an interactive map showing details on population changes, go to **inquirer.com/popchanges**.

SOURCES: National Historical Geographic Information System; U.S. Census Bureau; Inquirer analysis

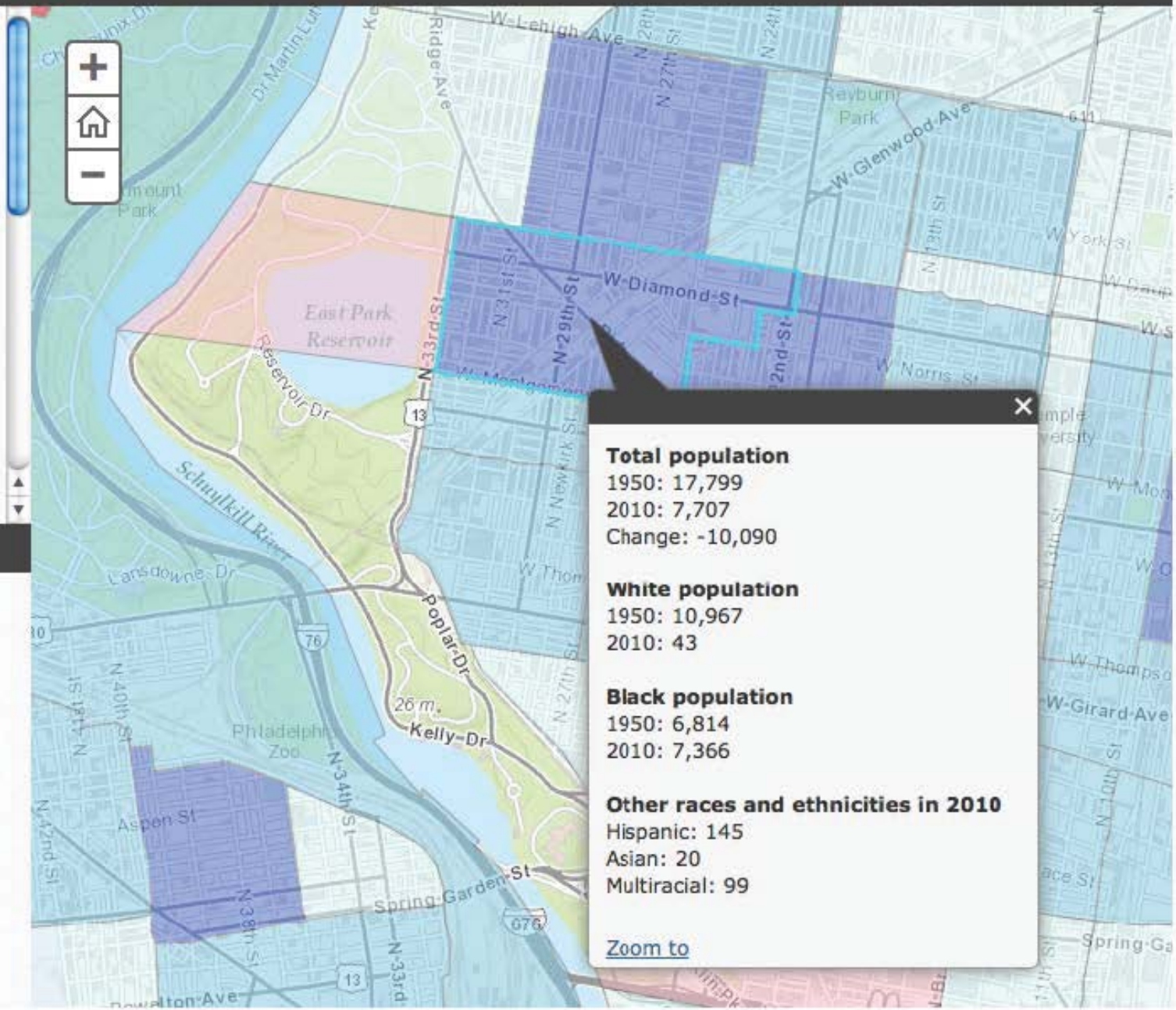
JOHN DUCHNESKIE / Staff Artist

Population change in Philadelphia, 1950 to 2010

Population change within Philadelphia from 1950, the year of the city's peak population, to 2010.

Philadelphia reached its **peak population of 2,071,605** in 1950. Over the next 50 years, the city lost more than a half-million residents, with the population dropping to 1,517,550 in 2000, before reversing that slightly in the 2010 census.

This map shows where the population has grown and fallen within Philadelphia from 1950 to 2010. Each area represents the boundary of a census tract in 1950. Census tracts typically average about 4,000 residents. There are eight tracts, mostly in North Philadelphia, that



Total population
1950: 17,799
2010: 7,707
Change: -10,090

White population
1950: 10,967
2010: 43

Black population
1950: 6,814
2010: 7,366

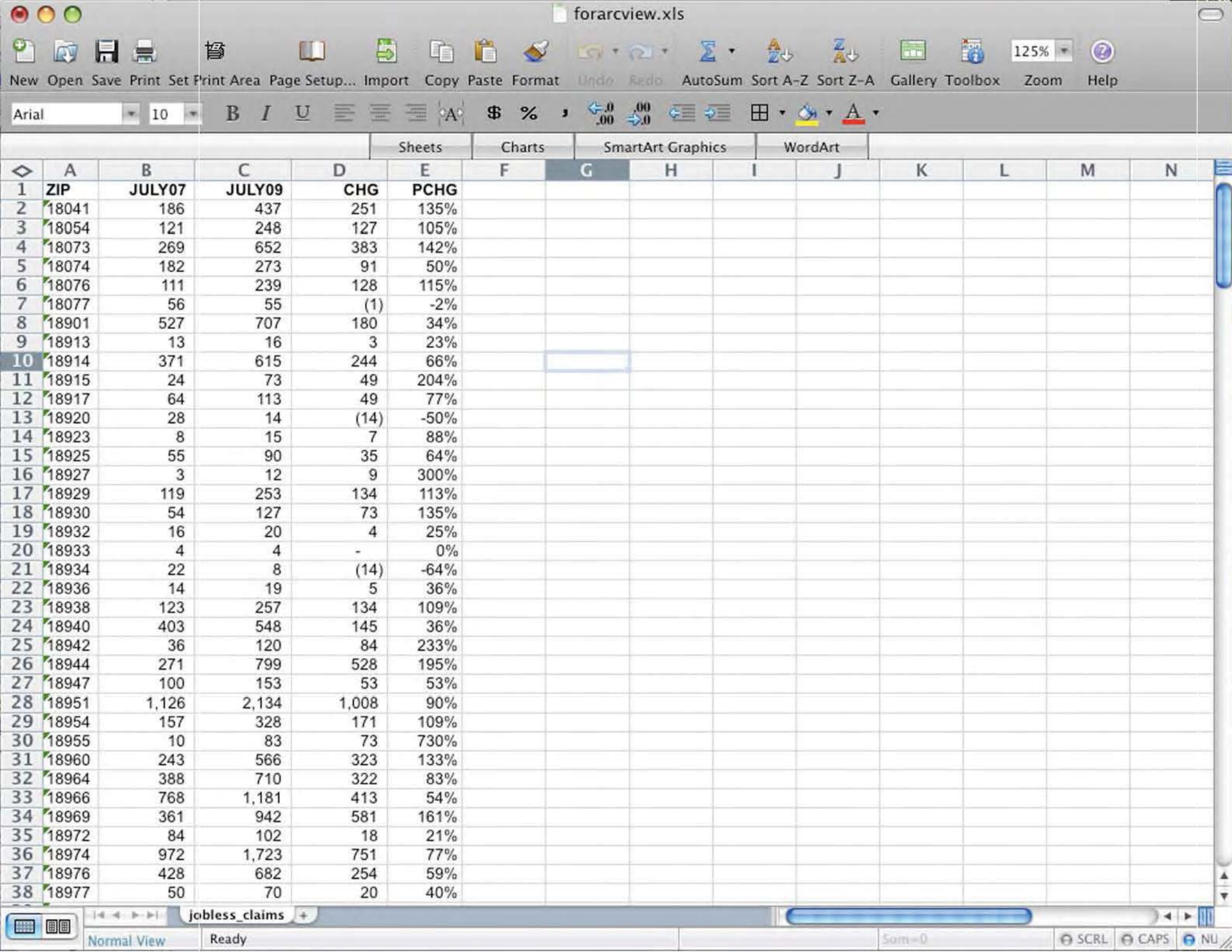
Other races and ethnicities in 2010
Hispanic: 145
Asian: 20
Multiracial: 99

Zoom to

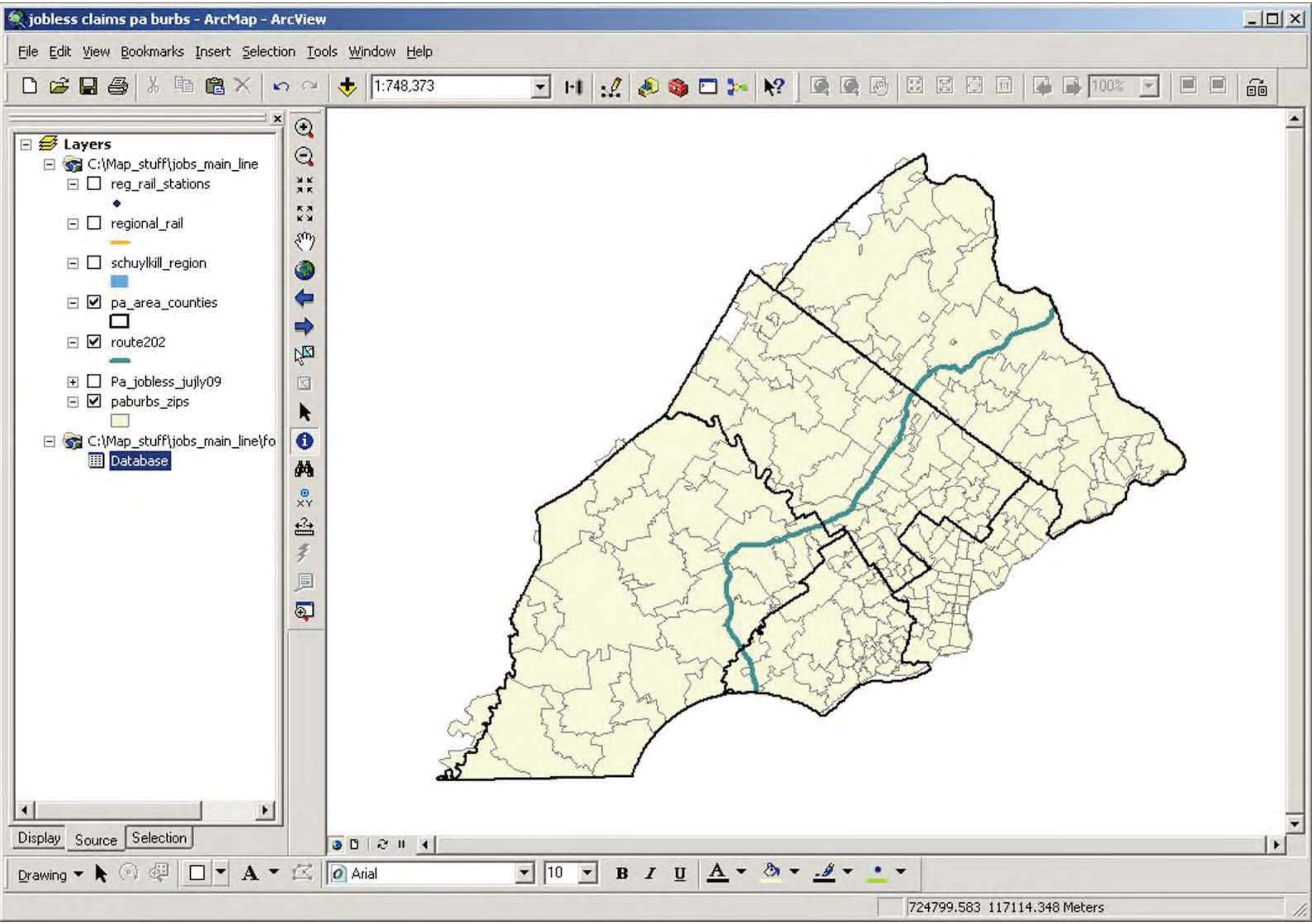
LEGEND

Population change, 1950 to 2010

- +5,000 to +15,690
- +1 to +4,999
- 0 to -4,999
- -5,000 to -9,999
- -10,000 to -11,870
- No change



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	ZIP	JULY07	JULY09	CHG	PCHG									
2	18041	186	437	251	135%									
3	18054	121	248	127	105%									
4	18073	269	652	383	142%									
5	18074	182	273	91	50%									
6	18076	111	239	128	115%									
7	18077	56	55	(1)	-2%									
8	18901	527	707	180	34%									
9	18913	13	16	3	23%									
10	18914	371	615	244	66%									
11	18915	24	73	49	204%									
12	18917	64	113	49	77%									
13	18920	28	14	(14)	-50%									
14	18923	8	15	7	88%									
15	18925	55	90	35	64%									
16	18927	3	12	9	300%									
17	18929	119	253	134	113%									
18	18930	54	127	73	135%									
19	18932	16	20	4	25%									
20	18933	4	4	-	0%									
21	18934	22	8	(14)	-64%									
22	18936	14	19	5	36%									
23	18938	123	257	134	109%									
24	18940	403	548	145	36%									
25	18942	36	120	84	233%									
26	18944	271	799	528	195%									
27	18947	100	153	53	53%									
28	18951	1,126	2,134	1,008	90%									
29	18954	157	328	171	109%									
30	18955	10	83	73	730%									
31	18960	243	566	323	133%									
32	18964	388	710	322	83%									
33	18966	768	1,181	413	54%									
34	18969	361	942	581	161%									
35	18972	84	102	18	21%									
36	18974	972	1,723	751	77%									
37	18976	428	682	254	59%									
38	18977	50	70	20	40%									


jobless claims pa burbs - ArcMap - ArcView
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regional_rail
schuylkill_region
pa_area_counties
route202
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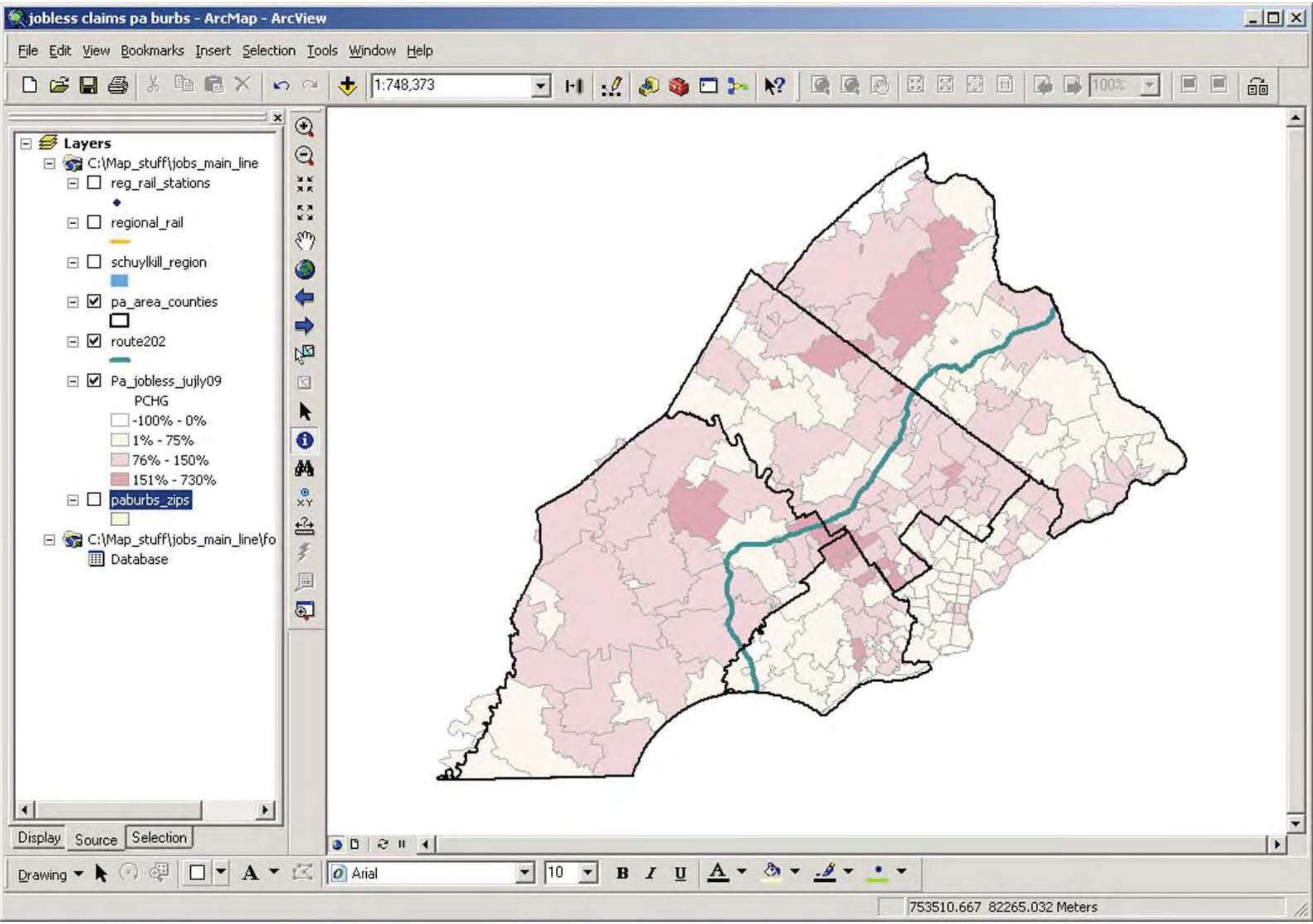
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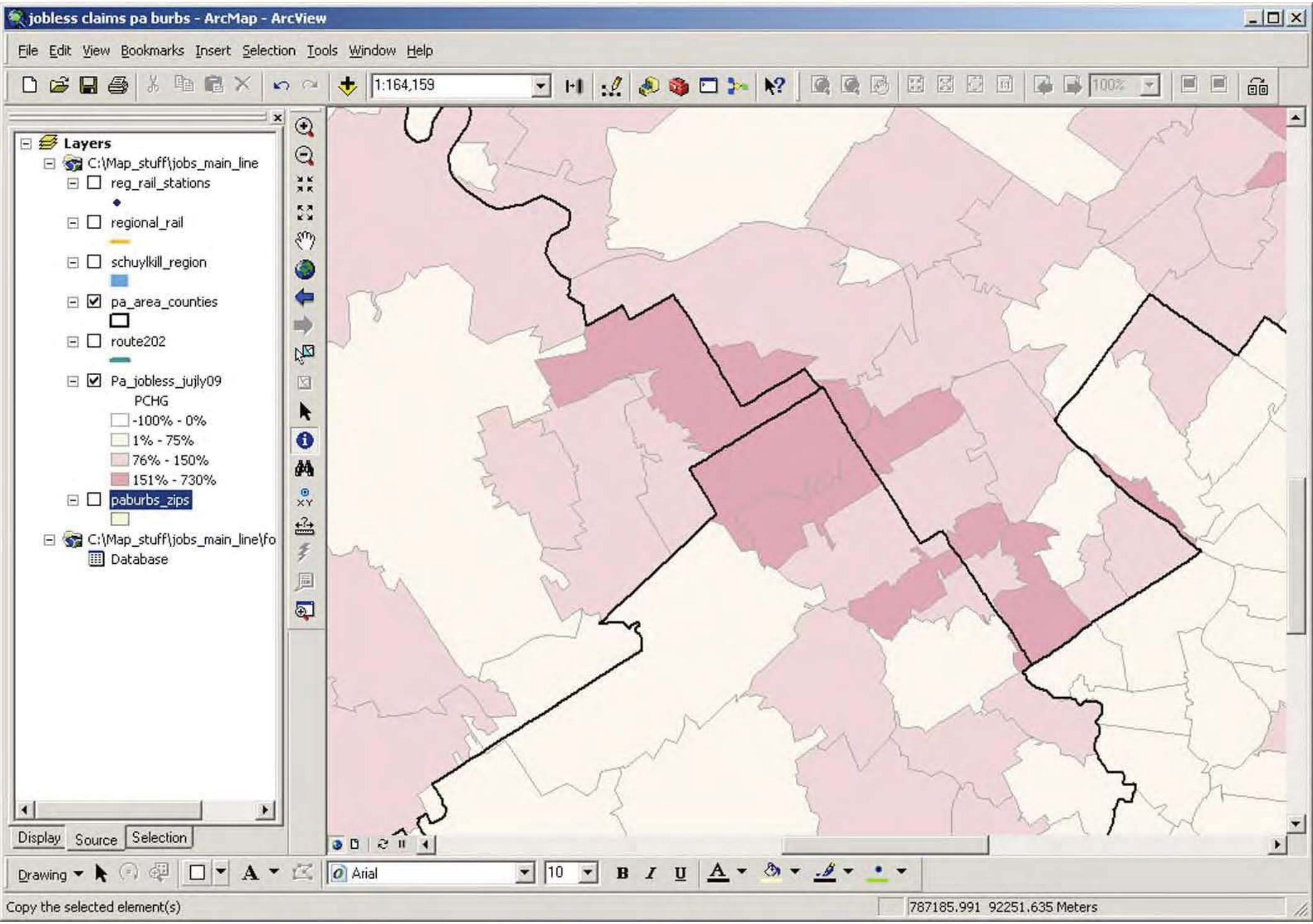
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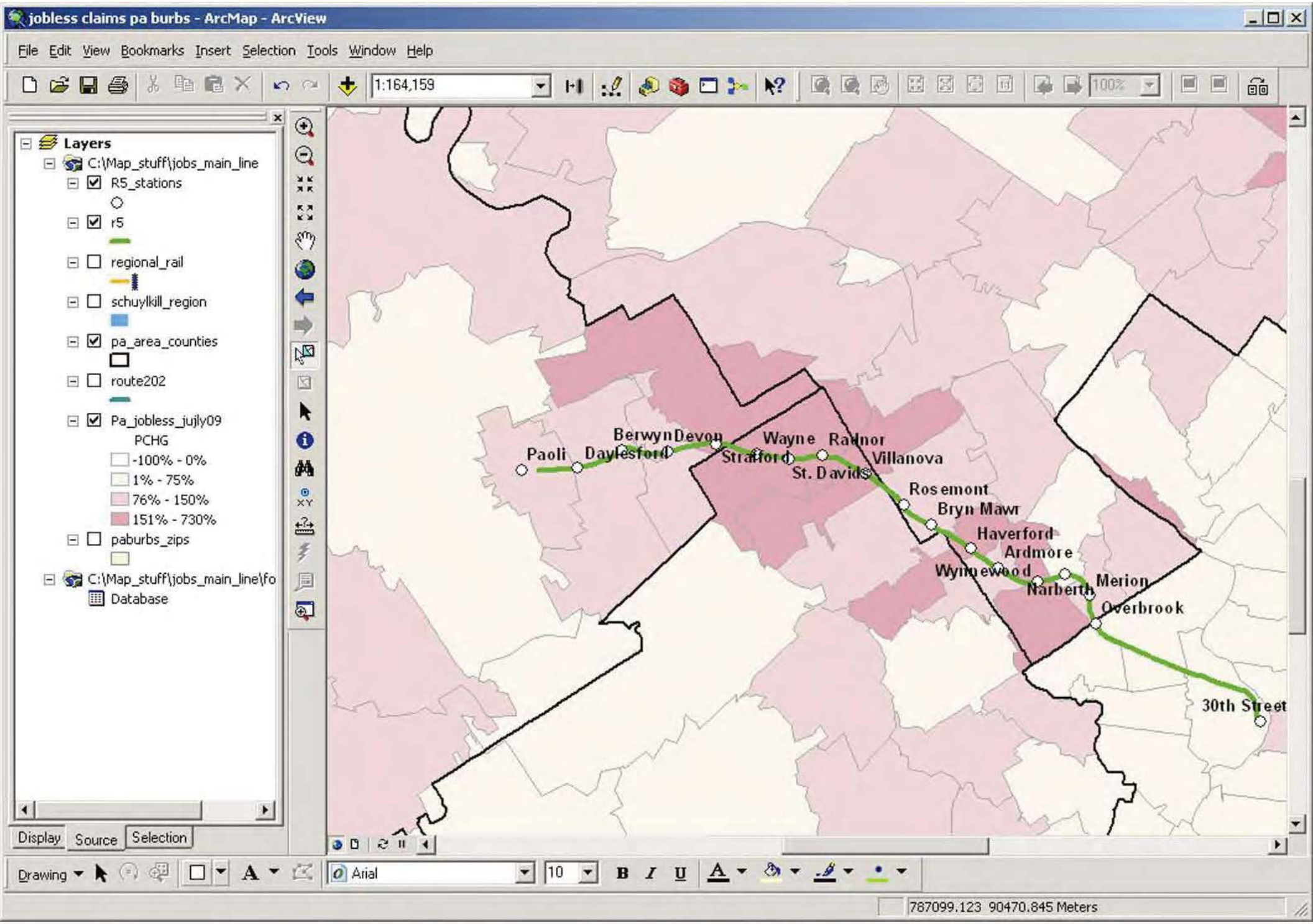
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Strafford
Wayne
Radnor
Villanova
St. Davids
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Overbrook
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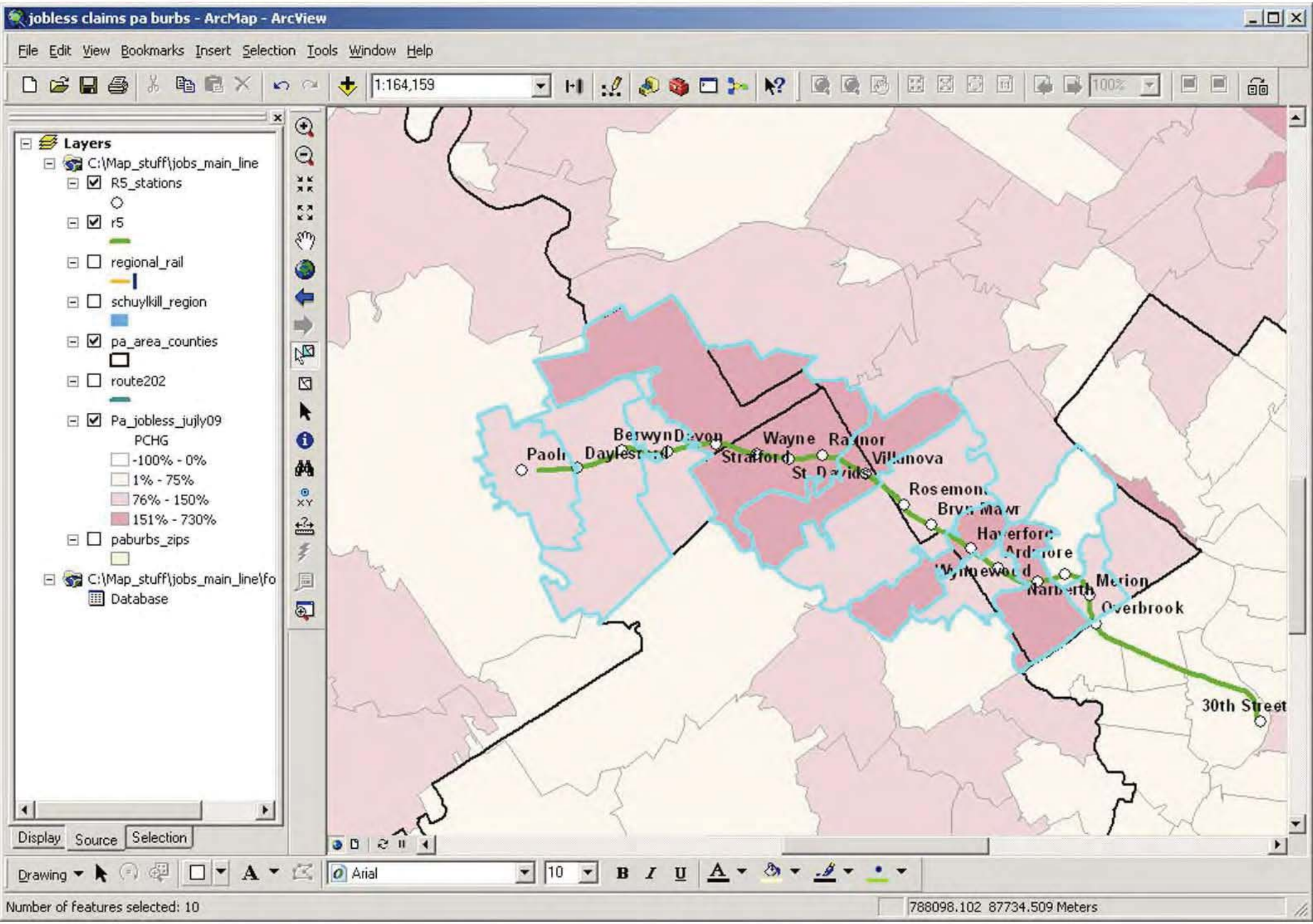
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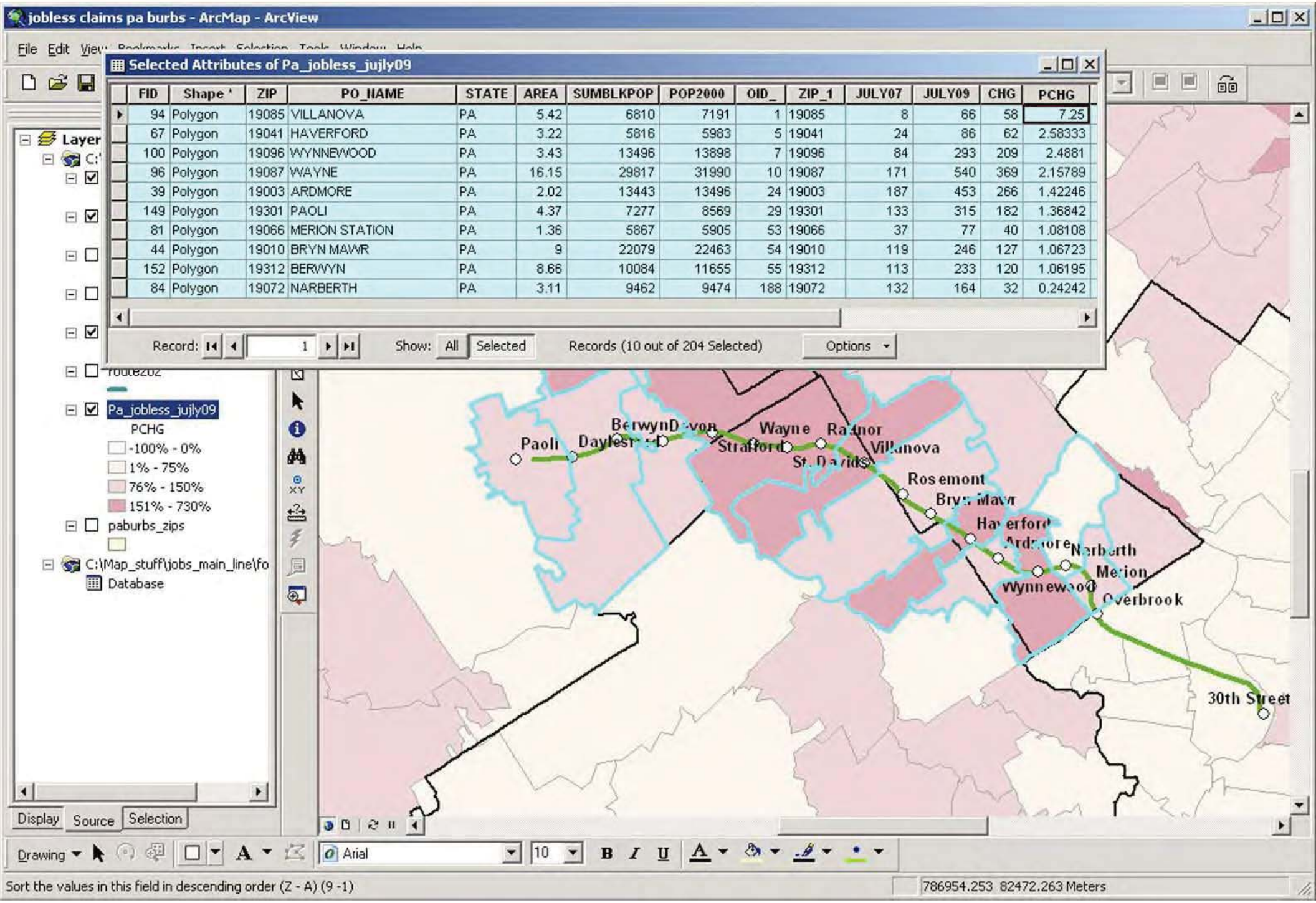
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67 | Polygon | 19041 | HAVERFORD | PA | 3.22 | 5816 | 5983 | 5 | 19041 | 24 | 86 | 62 | 2.58333
100 | Polygon | 19096 | WYNNEWOOD | PA | 3.43 | 13496 | 13898 | 7 | 19096 | 84 | 293 | 209 | 2.4881
96 | Polygon | 19087 | WAYNE | PA | 16.15 | 29817 | 31990 | 10 | 19087 | 171 | 540 | 369 | 2.15789
39 | Polygon | 19003 | ARDMORE | PA | 2.02 | 13443 | 13496 | 24 | 19003 | 187 | 453 | 266 | 1.42246
149 | Polygon | 19301 | PAOLI | PA | 4.37 | 7277 | 8569 | 29 | 19301 | 133 | 315 | 182 | 1.36842
81 | Polygon | 19066 | MERION STATION | PA | 1.36 | 5867 | 5905 | 53 | 19066 | 37 | 77 | 40 | 1.08108
44 | Polygon | 19010 | BRYN MAWR | PA | 9 | 22079 | 22463 | 54 | 19010 | 119 | 246 | 127 | 1.06723
152 | Polygon | 19312 | BERWYN | PA | 8.66 | 10084 | 11655 | 55 | 19312 | 113 | 233 | 120 | 1.06195
84 | Polygon | 19072 | NARBERTH | PA | 3.11 | 9462 | 9474 | 188 | 19072 | 132 | 164 | 32 | 0.24242
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Layer
Pa_jobless_jujly09
PCHG
-100% - 0%
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paburbs_zips
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Database
Display Source Selection
Paoli
Wayne
Villanova
Rosemont
Haverford
Ardmore
Narberth
Merion
Wynnewood
Overbrook
30th Street
Drawing
Arial
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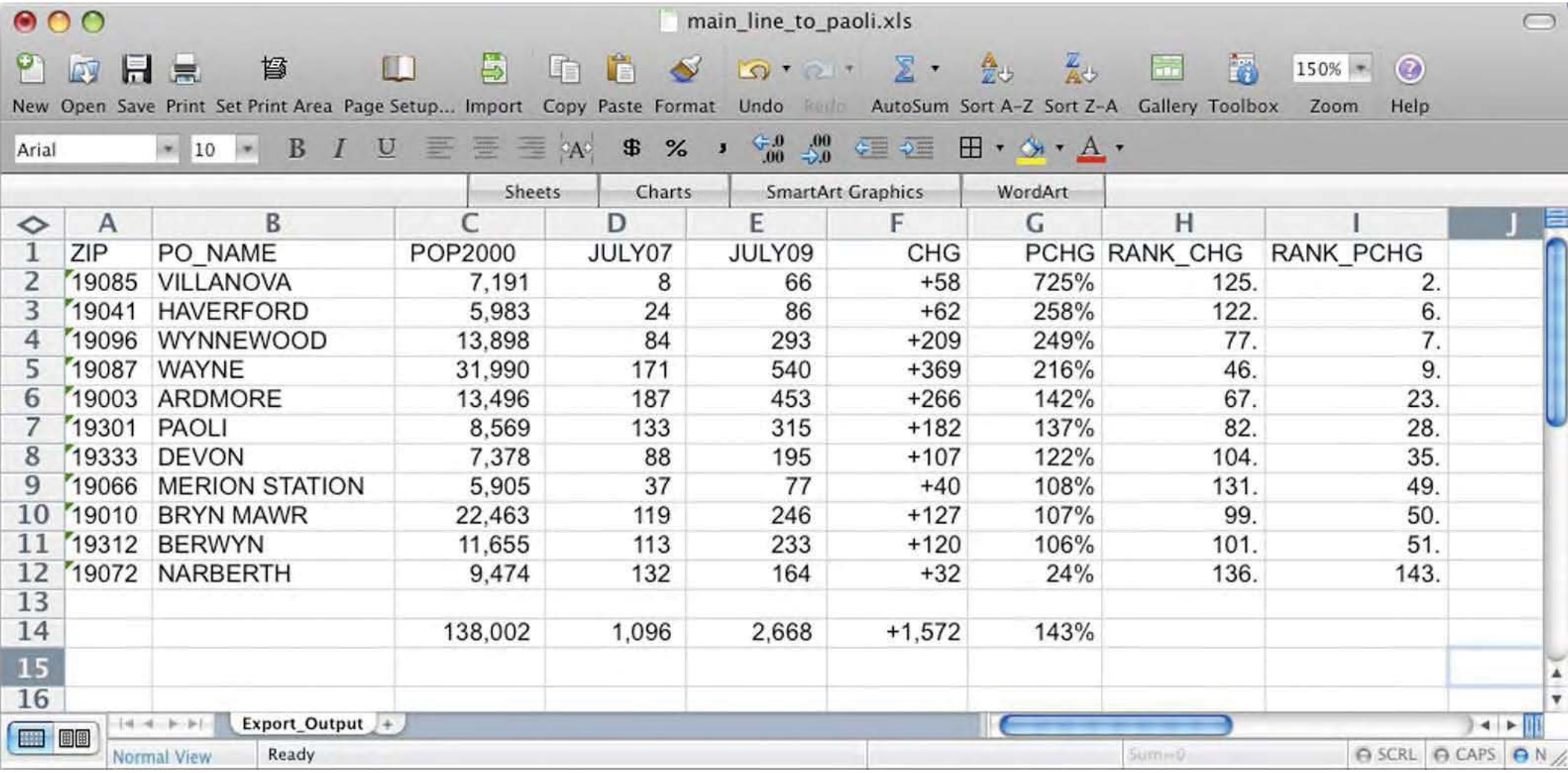

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2	19085	VILLANOVA	7,191	8	66	+58	725%	125.	2.	
3	19041	HAVERFORD	5,983	24	86	+62	258%	122.	6.	
4	19096	WYNNEWOOD	13,898	84	293	+209	249%	77.	7.	
5	19087	WAYNE	31,990	171	540	+369	216%	46.	9.	
6	19003	ARDMORE	13,496	187	453	+266	142%	67.	23.	
7	19301	PAOLI	8,569	133	315	+182	137%	82.	28.	
8	19333	DEVON	7,378	88	195	+107	122%	104.	35.	
9	19066	MERION STATION	5,905	37	77	+40	108%	131.	49.	
10	19010	BRYN MAWR	22,463	119	246	+127	107%	99.	50.	
11	19312	BERWYN	11,655	113	233	+120	106%	101.	51.	
12	19072	NARBERTH	9,474	132	164	+32	24%	136.	143.	
13										
14			138,002	1,096	2,668	+1,572	143%			
15										
16										

Job losses trickle up

On the Main Line, a recession that ignores geography.

By Jane M. Von Bergen
INQUIRER STAFF WRITER

The Paoli Local, now known prosaically as the R5, passes through some of the region's wealthiest suburbs — the storied Main Line, with train stations in towns whose names resonate with privilege: Merion, Radnor, Wayne, Bryn Mawr, Devon.

Only minutes by foot from the Wayne station is Wayne Presbyterian Church on Lancaster Avenue. And there, on any given Monday night, the Main Line money train is off the track.

Closeted in a second-floor conference room are former bankers, executives, marketing managers, top sales representatives, and international investment directors — people with Main Line addresses and occupations but no jobs, casualties of a recession that respects neither address nor privilege.

"Your heart is ripped out

See **MAIN LINE** on A10

LAURENCE KESTERSON / Staff Photographer

Bound for Phila., the R5 SEPTA train rolls into Wayne. It cuts through wealthy suburbs where unemployment has spiked.

■ Crashes plague Web site for jobless claims. **B1.**

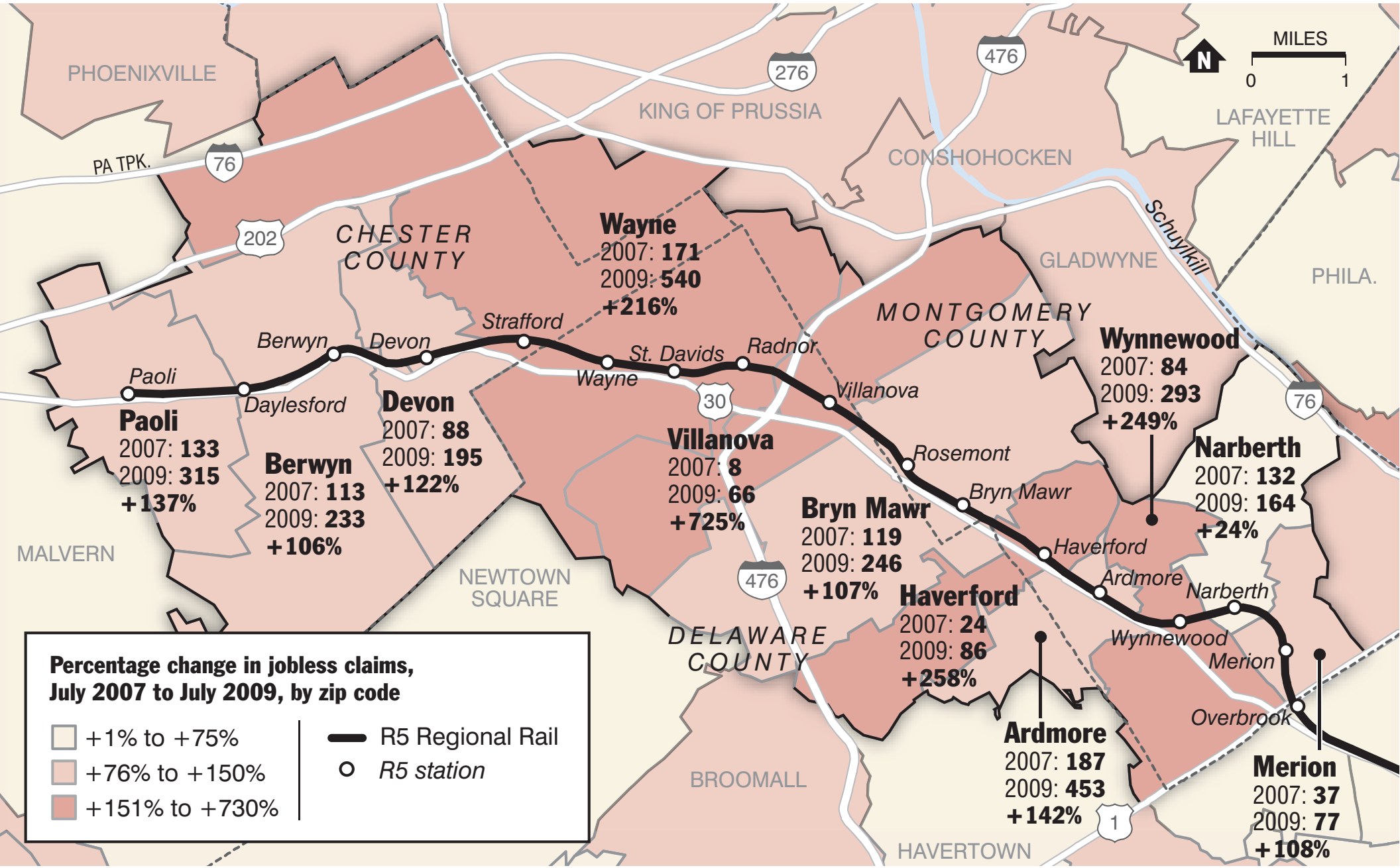
JOBS

At a Loss

Upheaval in the Region's Job Market

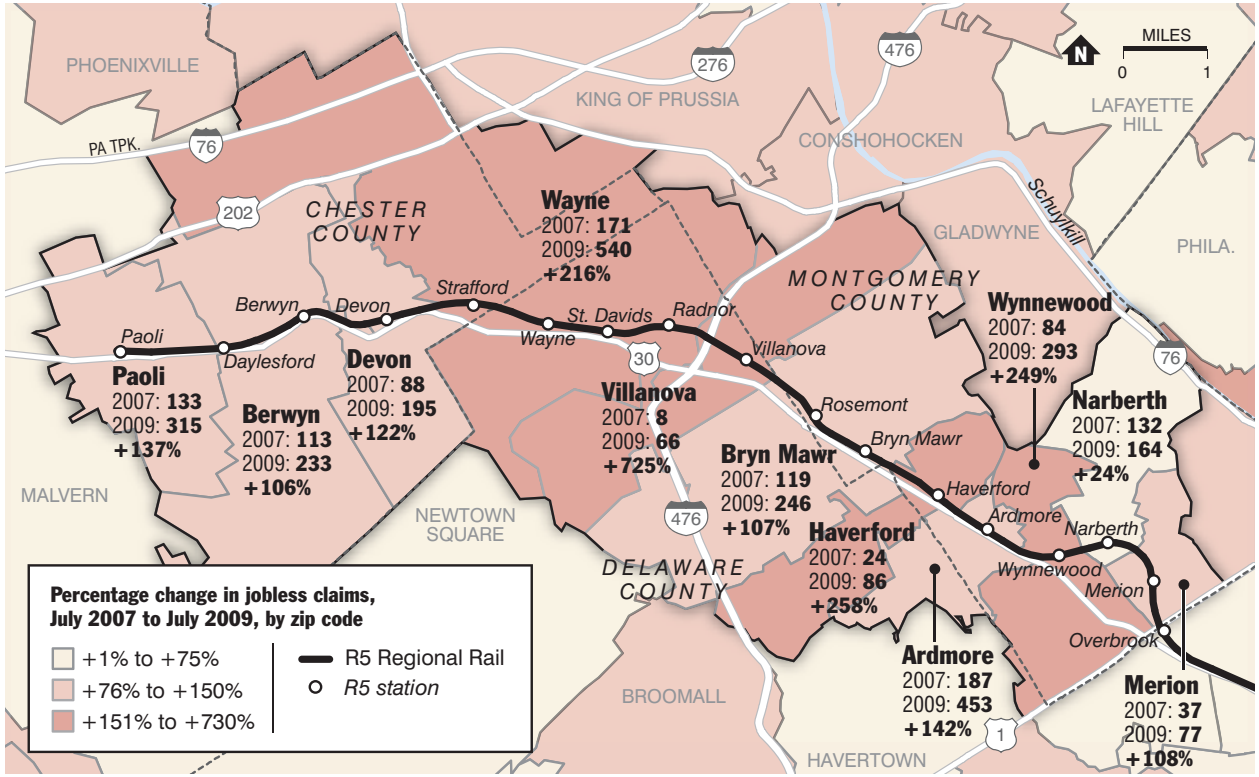
Main Line Misery

Even though Philadelphia's wealthiest suburbs are faring better than other areas in the region, unemployment has risen dramatically along the Main Line. From 2007 to 2009, the number of continuing claims for unemployment benefits in the 11 zip codes highlighted below has risen 143 percent. The map shows the number of jobless claims in July 2007 and July 2009, and the percentage change.



Main Line Misery

Even though Philadelphia's wealthiest suburbs are faring better than other areas in the region, unemployment has risen dramatically along the Main Line. From 2007 to 2009, the number of continuing claims for unemployment benefits in the 11 zip codes highlighted below has risen 143 percent. The map shows the number of jobless claims in July 2007 and July 2009, and the percentage change.



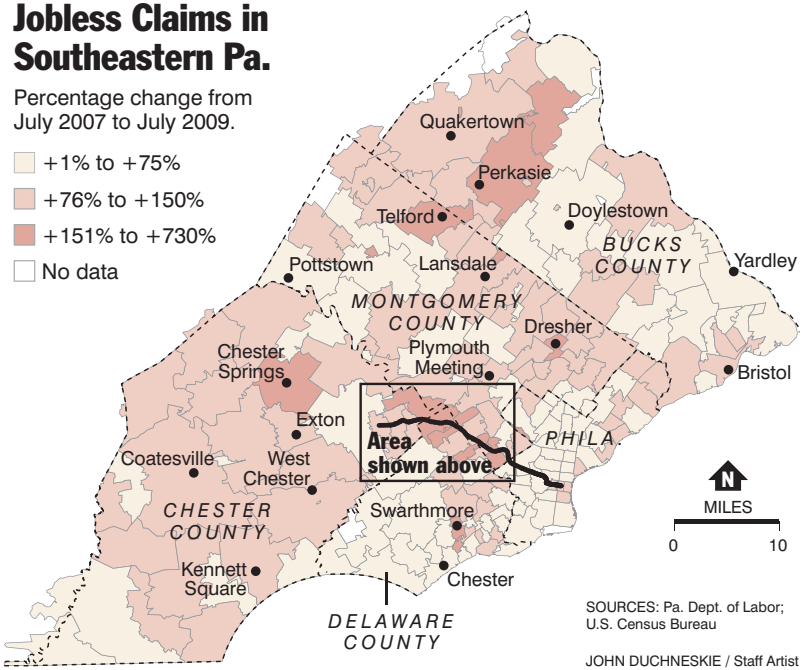
Job Losses in Wayne

The number of continued claims for state unemployment benefits by selected job sectors in the Wayne zip code (19087).

Job sector	July 2007	July 2009
Administrative and support / Waste mgmt. and remediation	13	74
Retail trade	22	72
Professorial, scientific, and technical services	9	67
Finance / Insurance	11	53
Manufacturing	13	45
Construction	8	36
Educational services	9	36
Wholesale trade	17	34
Information	N.A.	26
Health care / Social assistance	33	23
Real estate	N.A.	20
Total claims	**171**	**540**

Jobless Claims in Southeastern Pa.

Percentage change from July 2007 to July 2009.



SOURCES: Pa. Dept. of Labor; U.S. Census Bureau

JOHN DUCHNESKIE / Staff Artist

By Robert Moran
INQUIRER TRENTON BUREAU

HAMILTON, N.J. — This township last night became the first municipality in New Jersey or Pennsylvania to prohibit registered sex offenders from moving within 2,500 feet — nearly a half-mile — of any school, playground, park or day-care center.

The ban will make most of Hamilton Township off-limits to registered sex offenders who want to move in. The 42 who already live in the suburban community, just east of Trenton, will not be affected, though they are being monitored, Mayor Glen D. Gilmore said.

The Township Council approved the ordinance, 5-0, after a brief hearing. Gilmore and Council President Wayne P. DeAngelo then signed the ordinance, making it effective immediately.

"This will not be a cure-all," Gilmore said, "but I do believe this will add another measure of safety for our community."

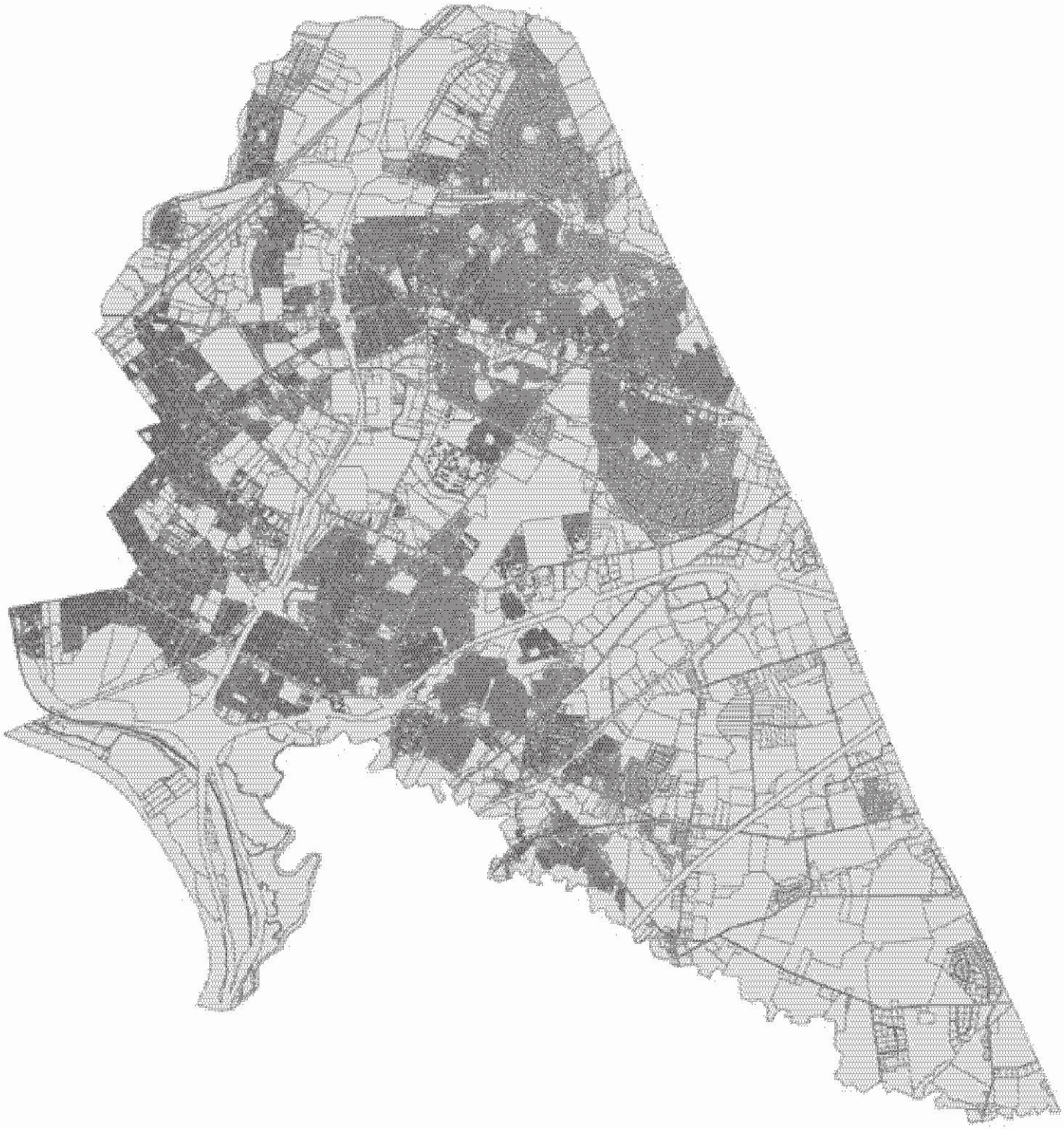
Hamilton is where 7-year-old Megan Kanka was raped and murdered by a twice-convicted sex offender in 1994. Her case inspired the creation of sex-offender registries across the country.

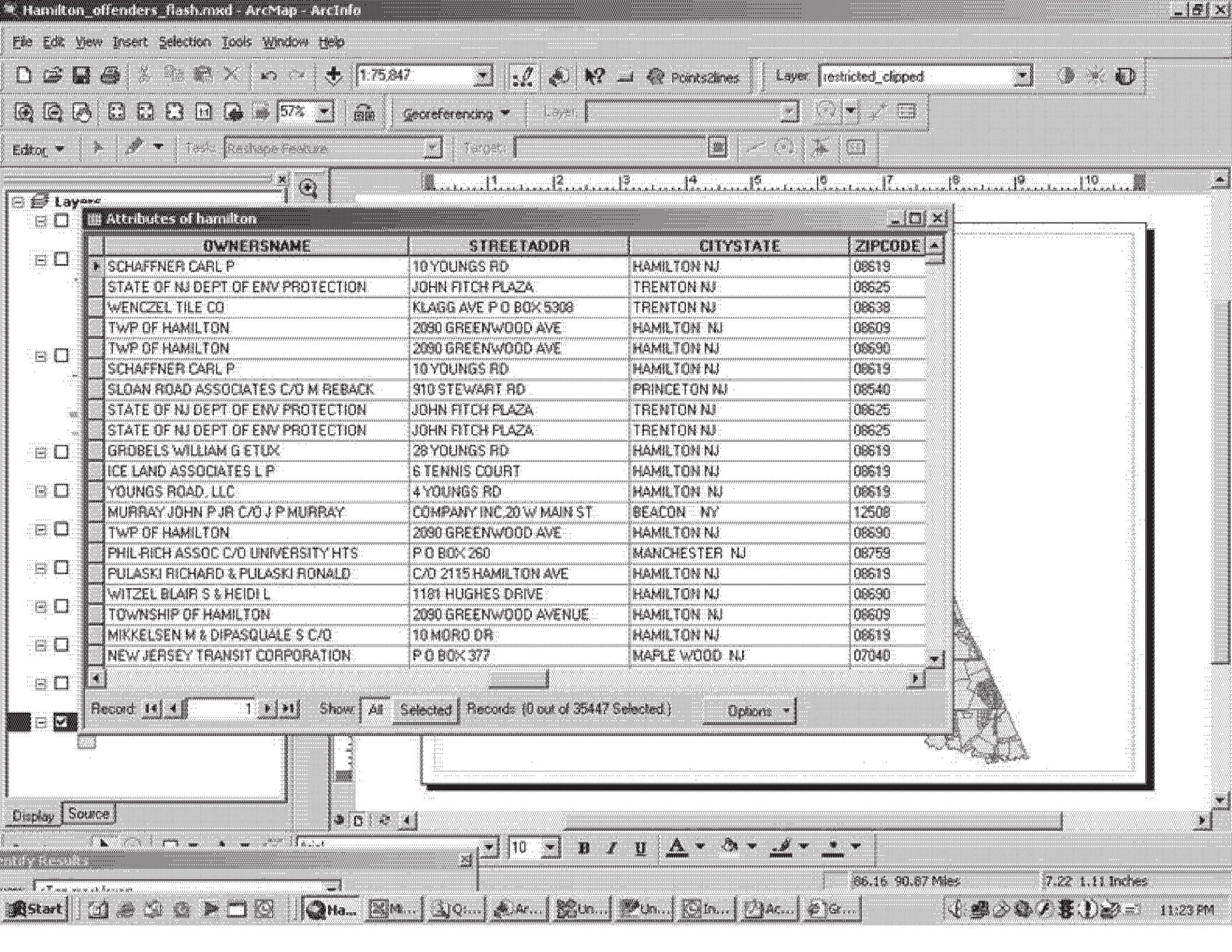
The approval of the residency restriction followed a nationwide rush to pass tough new laws concerning pedophiles after sex slayings of children in Florida and elsewhere.

Similar residency restrictions exist or are being considered around the country. This month, Ohio began telling sex offenders to move from their homes if they

See **OFFENDERS** on A10

Hamilton, which has nearly 90,000 residents, encompasses 30 schools, 40 parks, and several dozen day-care centers. The township has not precisely mapped the exclusion zones.

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STATE OF NJ DEPT OF ENV PROTECTION | JOHN FITCH PLAZA | TRENTON NJ | 08625
WENCZEL TILE CO | KLAGG AVE P O BOX 5309 | TRENTON NJ | 08638
TWP OF HAMILTON | 2090 GREENWOOD AVE | HAMILTON NJ | 08609
TWP OF HAMILTON | 2090 GREENWOOD AVE | HAMILTON NJ | 08690
SCHAFFNER CARL P | 10 YOUNGS RD | HAMILTON NJ | 08619
SLOAN ROAD ASSOCIATES C/O M REBACK | 910 STEWART RD | PRINCETON NJ | 08540
STATE OF NJ DEPT OF ENV PROTECTION | JOHN FITCH PLAZA | TRENTON NJ | 08625
STATE OF NJ DEPT OF ENV PROTECTION | JOHN FITCH PLAZA | TRENTON NJ | 08625
GROBELS WILLIAM G ETUX | 28 YOUNGS RD | HAMILTON NJ | 08619
ICE LAND ASSOCIATES L P | 6 TENNIS COURT | HAMILTON NJ | 08619
YOUNGS ROAD, LLC | 4 YOUNGS RD | HAMILTON NJ | 08619
MURRAY JOHN P JR C/O J P MURRAY | COMPANY INC 20 W MAIN ST | BEACON NY | 12508
TWP OF HAMILTON | 2090 GREENWOOD AVE | HAMILTON NJ | 08690
PHIL-RICH ASSOC C/O UNIVERSITY HTS | P O BOX 260 | MANCHESTER NJ | 08759
PULASKI RICHARD & PULASKI RONALD | C/O 2115 HAMILTON AVE | HAMILTON NJ | 08619
WITZEL BLAIR S & HEIDI L | 1181 HUGHES DRIVE | HAMILTON NJ | 08690
TOWNSHIP OF HAMILTON | 2090 GREENWOOD AVENUE | HAMILTON NJ | 08609
MIKKELSEN M & DIPASQUALE S C/O | 10 MORO DR | HAMILTON NJ | 08619
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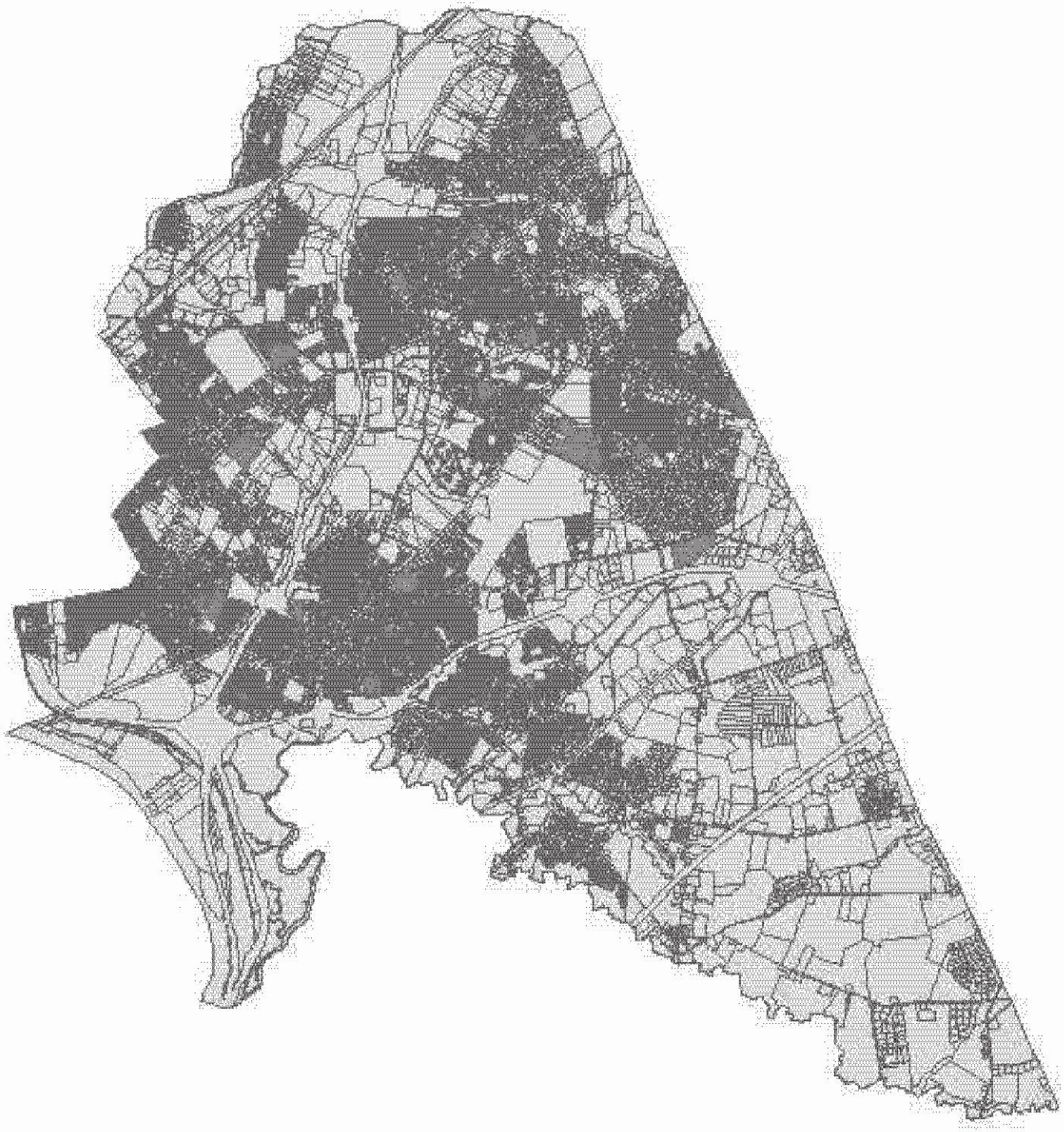

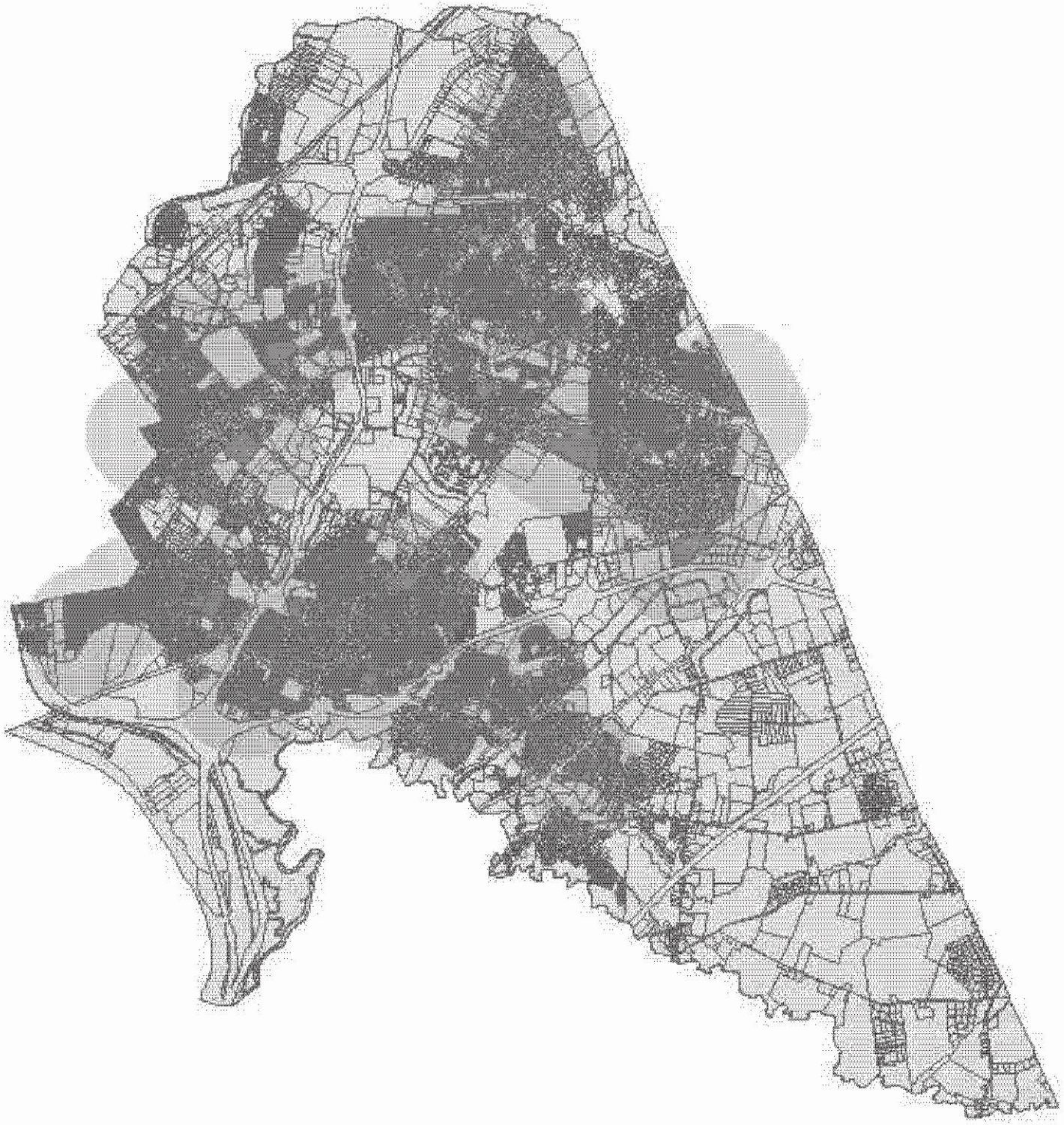

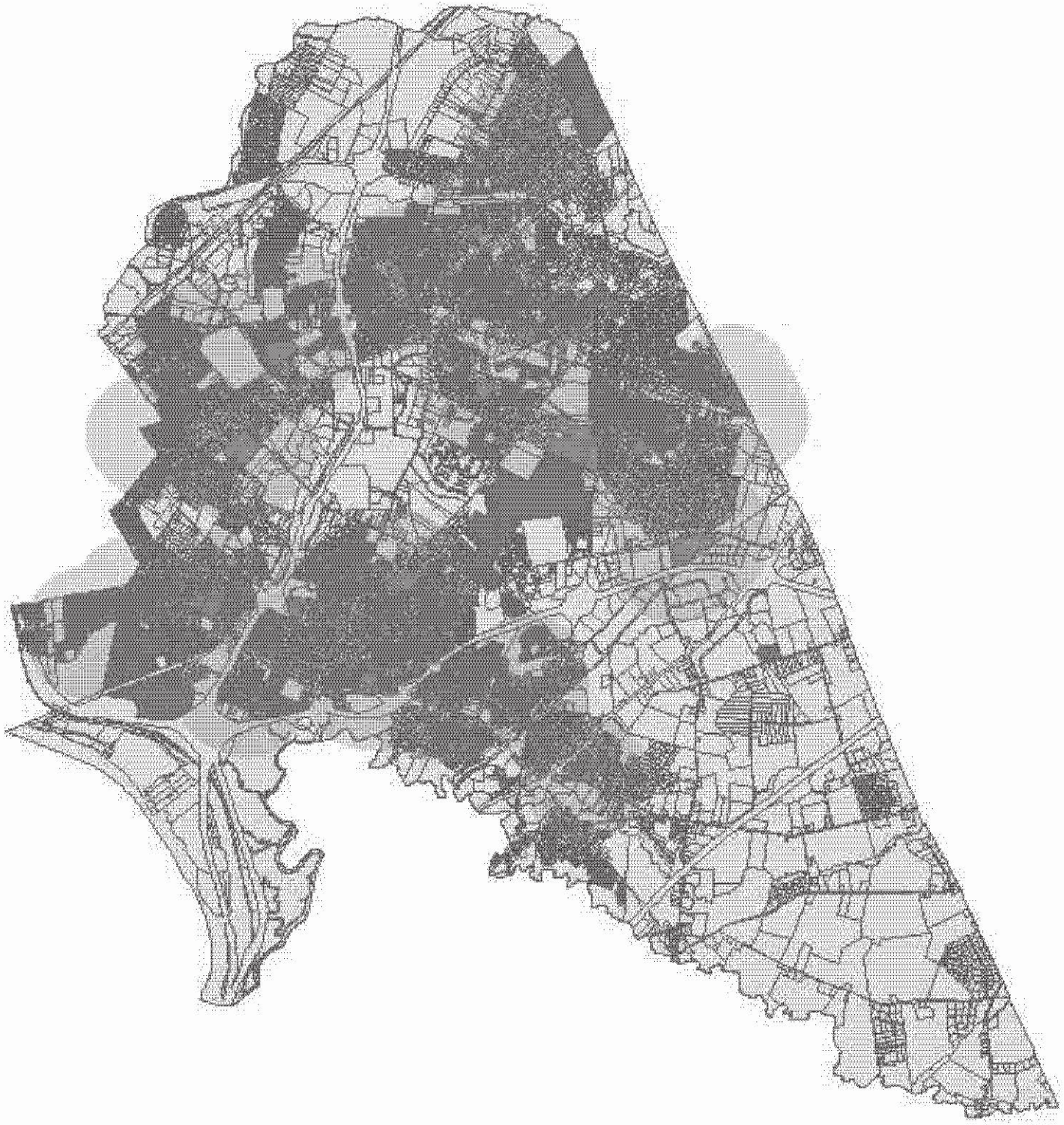

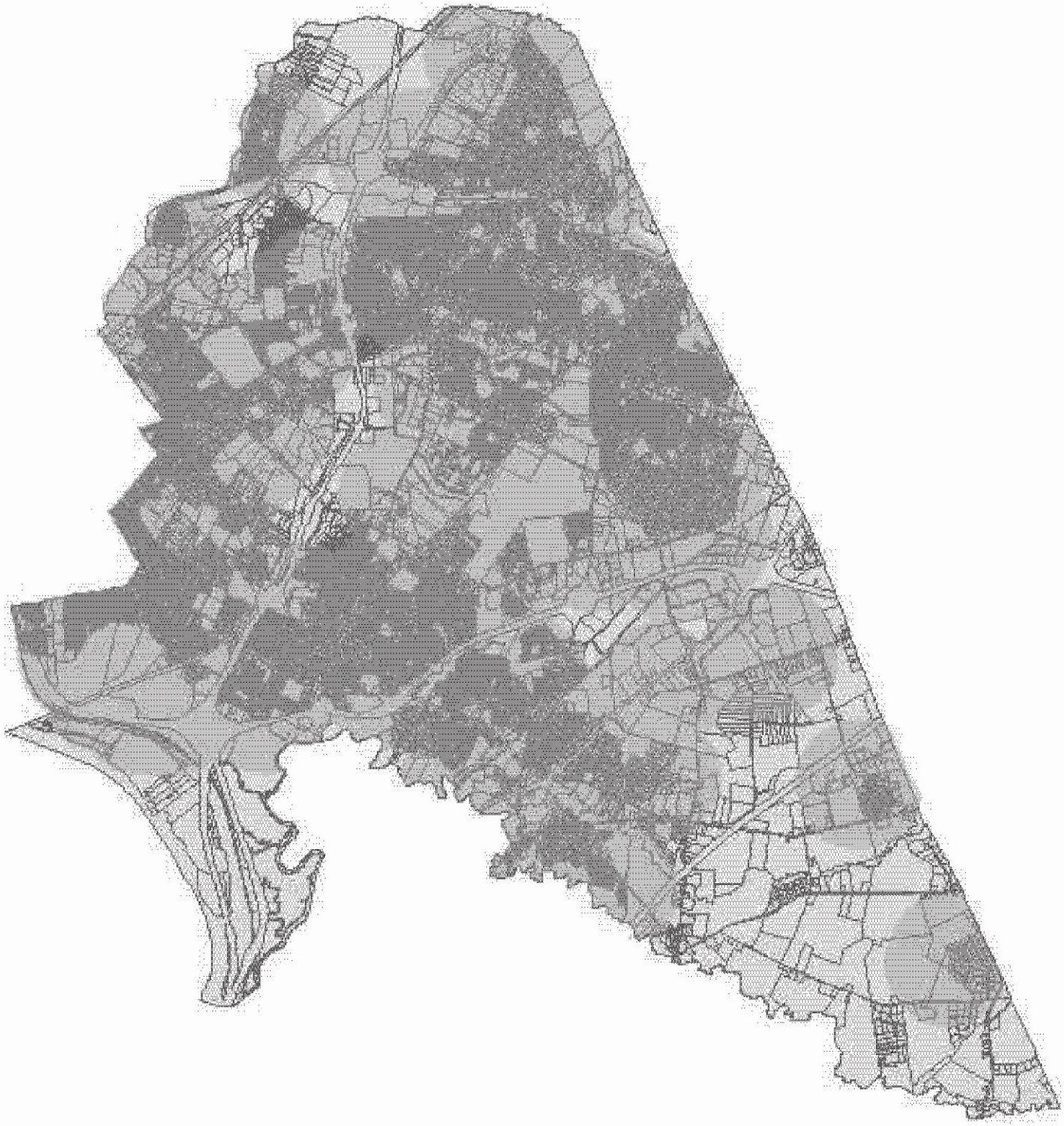

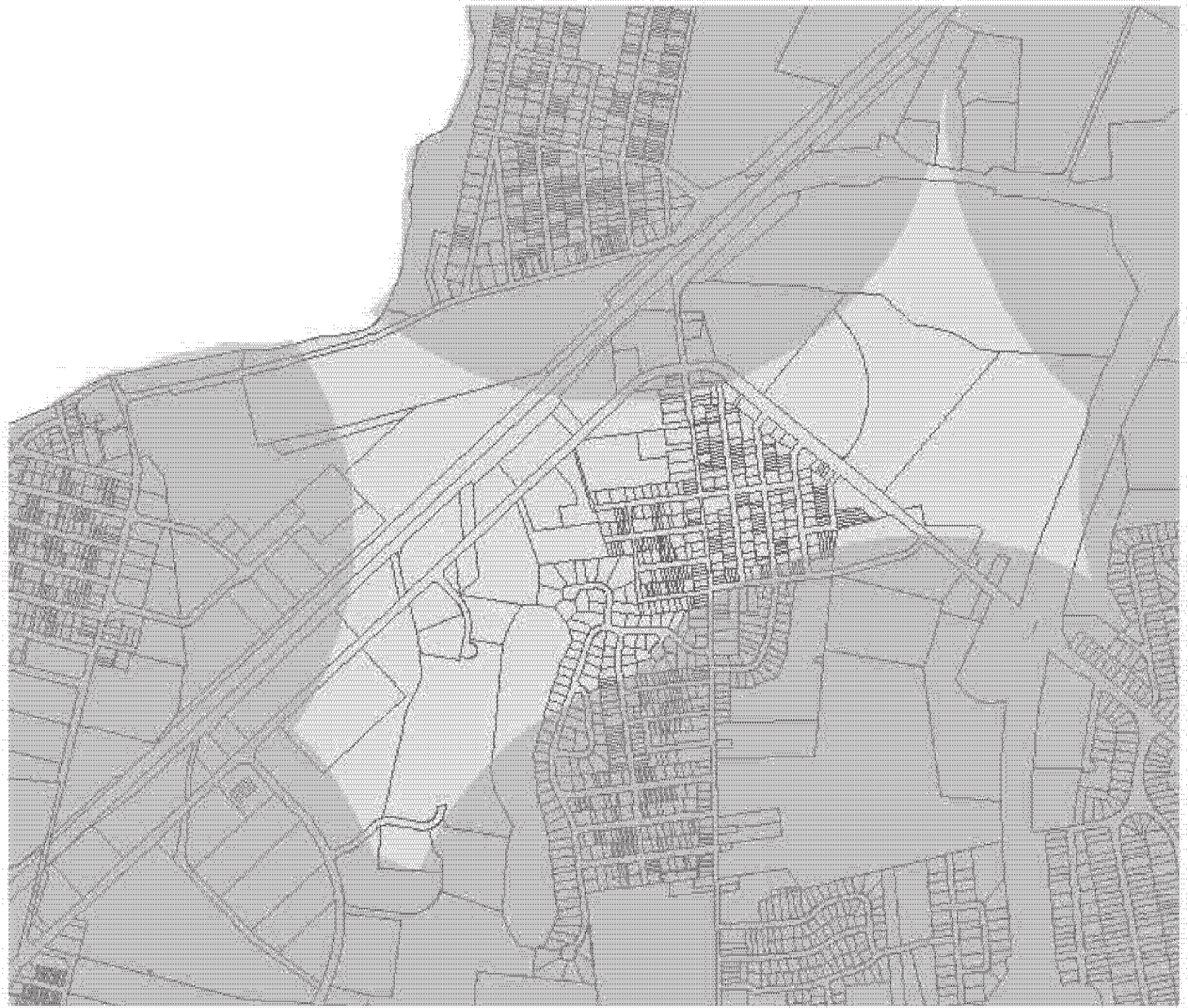

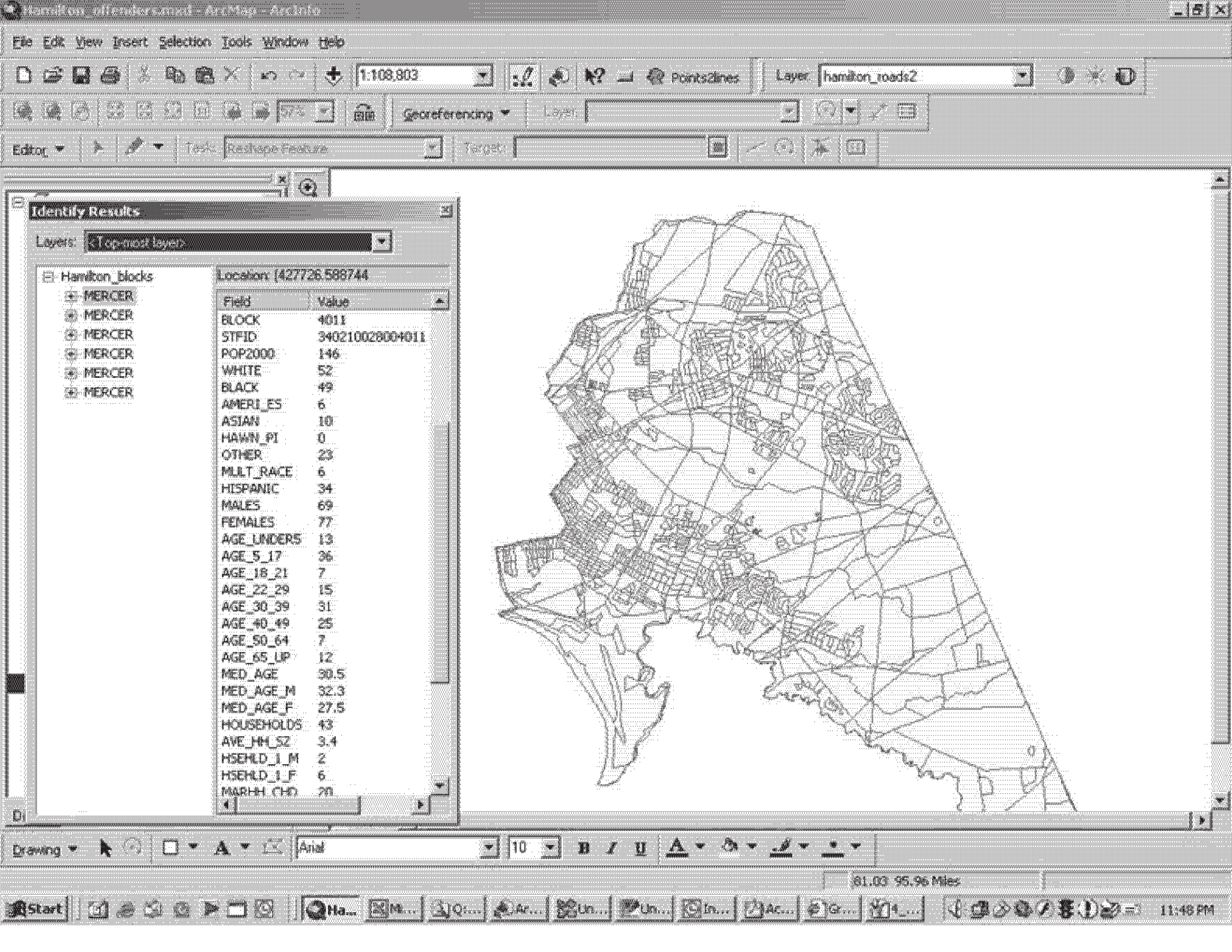
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MERCER
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HAWN_PI 0
OTHER 23
MULT_RACE 6
HISPANIC 34
MALES 69
FEMALES 77
AGE_UNDER5 13
AGE_5_17 36
AGE_18_21 7
AGE_22_29 15
AGE_30_39 31
AGE_40_49 25
AGE_50_64 7
AGE_65_UP 12
MED_AGE 30.5
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MED_AGE_F 27.5
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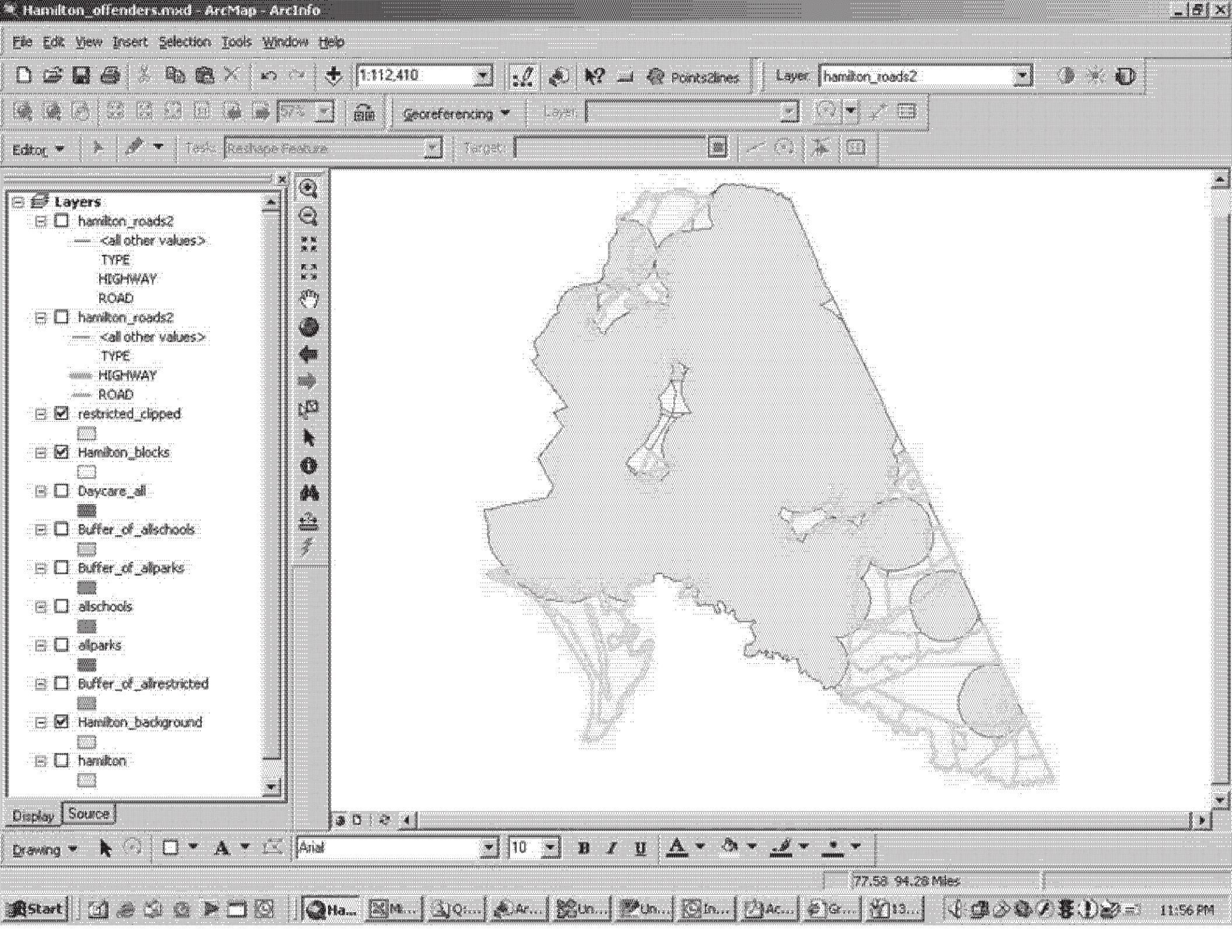
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ROAD
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Daycare_all
Buffer_of_allschools
Buffer_of_allparks
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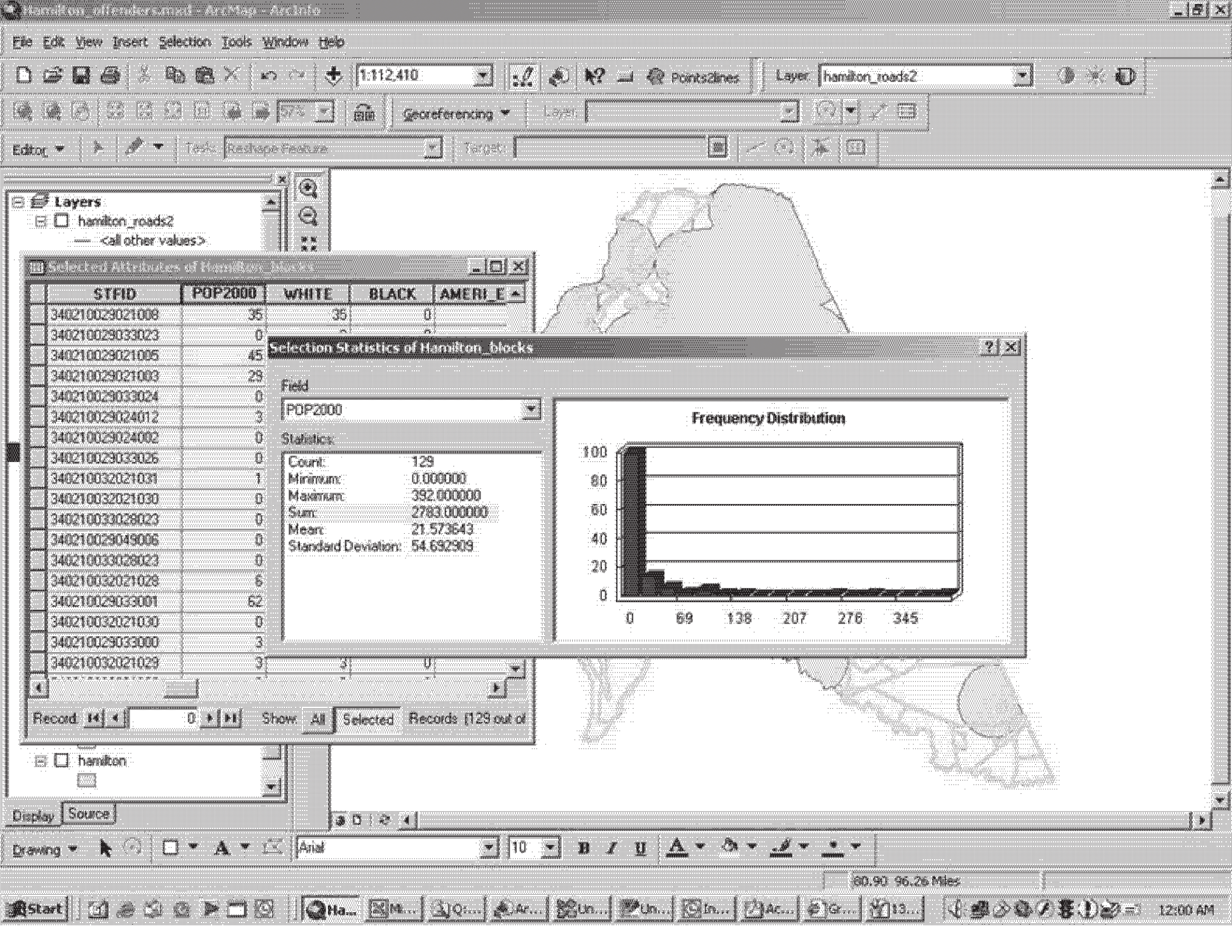
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3402100290330O4 0
3402100290240I2 3
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3402100320210I1 1
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3402100290330O1 62
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Standard Deviation: 54.692909
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60
40
20
0
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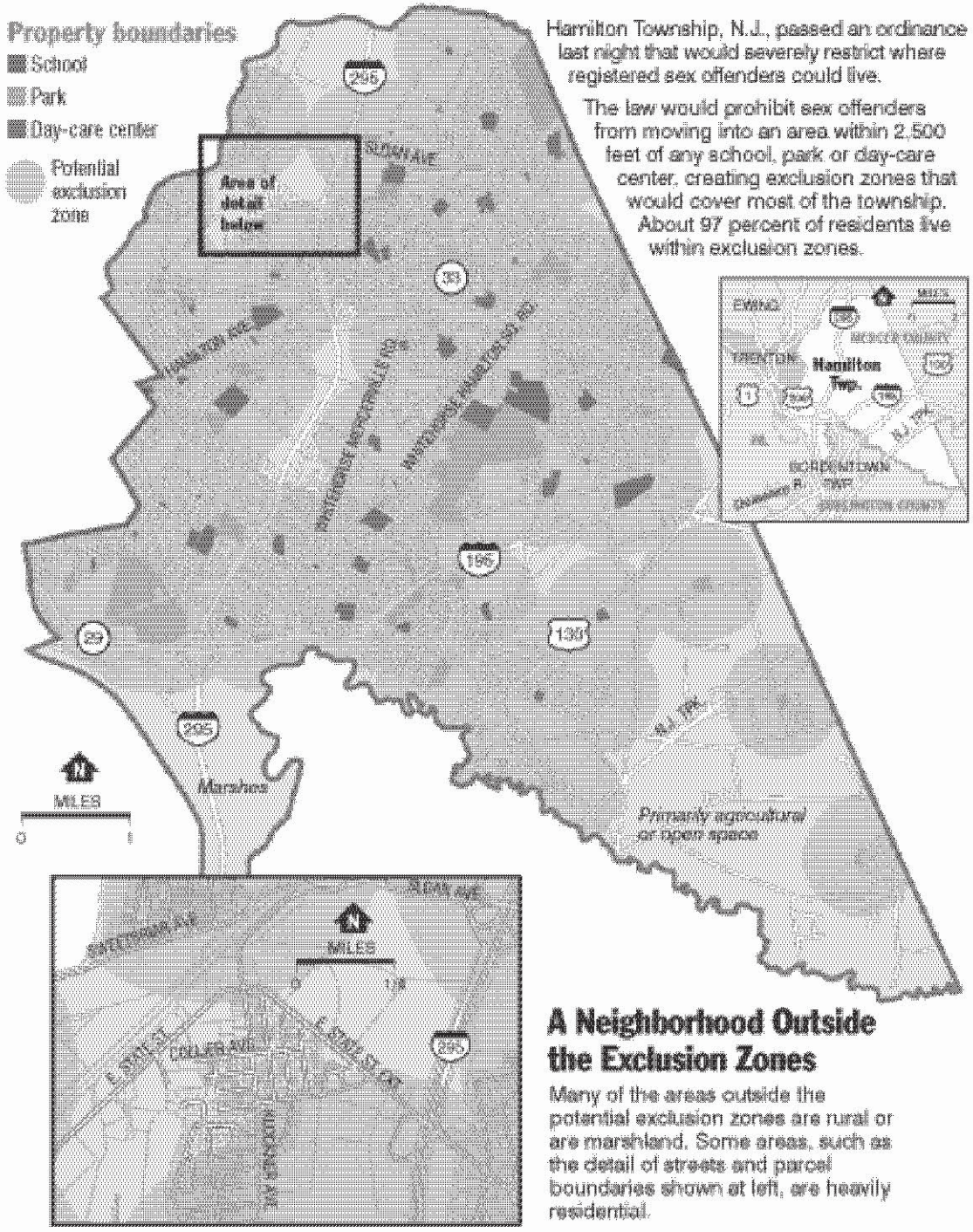
Restricting Sex Offenders in Hamilton Township



A Neighborhood Outside the Exclusion Zones

Many of the areas outside the potential exclusion zones are rural or are marshland. Some areas, such as the detail of streets and parcel boundaries shown at left, are heavily residential.

JOHN DUCHNESKE / Inquirer Staff Artist

Hamilton's ban misses some parts of township

Sex offenders could still move next door, residents in the areas discovered.

By Robert Moran
INQUIRER TRENTON BUREAU

HAMILTON, N.J. — The new ban on where registered sex offenders can live applies to most — but not all — of the township here.

And some residents in a pocket not covered by the ordinance raised concerns yesterday about being left out.

"It's kind of distressing," said Tracey Lease, 36, the mother of two girls, ages 1 and 3.

"That strikes me very strangely, that it's not all of the town," said Lease, who lives in the northwestern section of the Mercer County township.

The ordinance, which was adopted Tuesday night and takes effect after 20 days, prohibits sex offenders from moving into any place less than 2,500 feet — nearly a half-mile — from a school, playground, park or day-care center. Current residents who are registered offenders are not affected.

ONLINE EXTRA

To view an interactive map that details the areas where registered sex offenders will be excluded, go to **http://go.philly.com/offender**

An Inquirer analysis of 2000 census data shows that only 3 percent of the township's nearly 90,000 residents do not live in an exclusion zone.

Kathryn Devlin, 63, who is raising two grandchildren, ages 9 and 10, is among the 3 percent, and she would rather be protected by the ordinance.

See **OFFENDERS** on B4

Mayor Glen D. Gilmore appeared slightly surprised when shown a map published in The Inquirer that identified the neighborhood where the residency restriction would not apply. The township has yet to create its own map of the exclusion zones; the mayor said one was in the works.

Gilmore suggested that a park could be established in the neighborhood, but not because it would create an exclusion zone. He said he had already pledged to create “a park within walking distance of every neighborhood.” He set no timetable.

Hamilton hopes new park expands sex-offender ban

By Robert Moran
INQUIRER TRENTON BUREAU

TRENTON — The mayor of Hamilton Township said yesterday that a piece of land the township was buying would become a park and thus create a "pedophile-free zone" in a neighborhood not covered by a new ban on where sex offenders can live.

However, Mayor Glen D. Gilmore conceded that until the purchase's completion in September, registered sex offenders could move to the neighborhood without violating the ordinance.

But until the land is bought, officials say, a part of the township could remain outside the residency restrictions.

Some residents expressed concern this week after learning their neighborhood was not covered by the ordinance, which prohibits registered sex offenders from moving to within 2,500 feet of a school, park, playground or day-care center.

An Inquirer analysis had determined that 97 percent of the township's nearly 90,000 residents lived in these exclusion zones. But one pocket in the northwest section of the township was not covered, and some residents there said they wanted to be included.

The area includes roughly 50 acres known as Klockner Woods, and the township has reached an agreement to buy the land from Fieldstone Associates of Doylestown for $4.1 million in its effort to preserve open space.

"Older residents, when they were kids, it was a place they grew up playing," Gilmore said. "There are well-worn paths. It's obvious kids are back there playing."

Fieldstone Associates had planned to build houses on the property. To prevent development there, the township initiated condemnation proceedings last year.

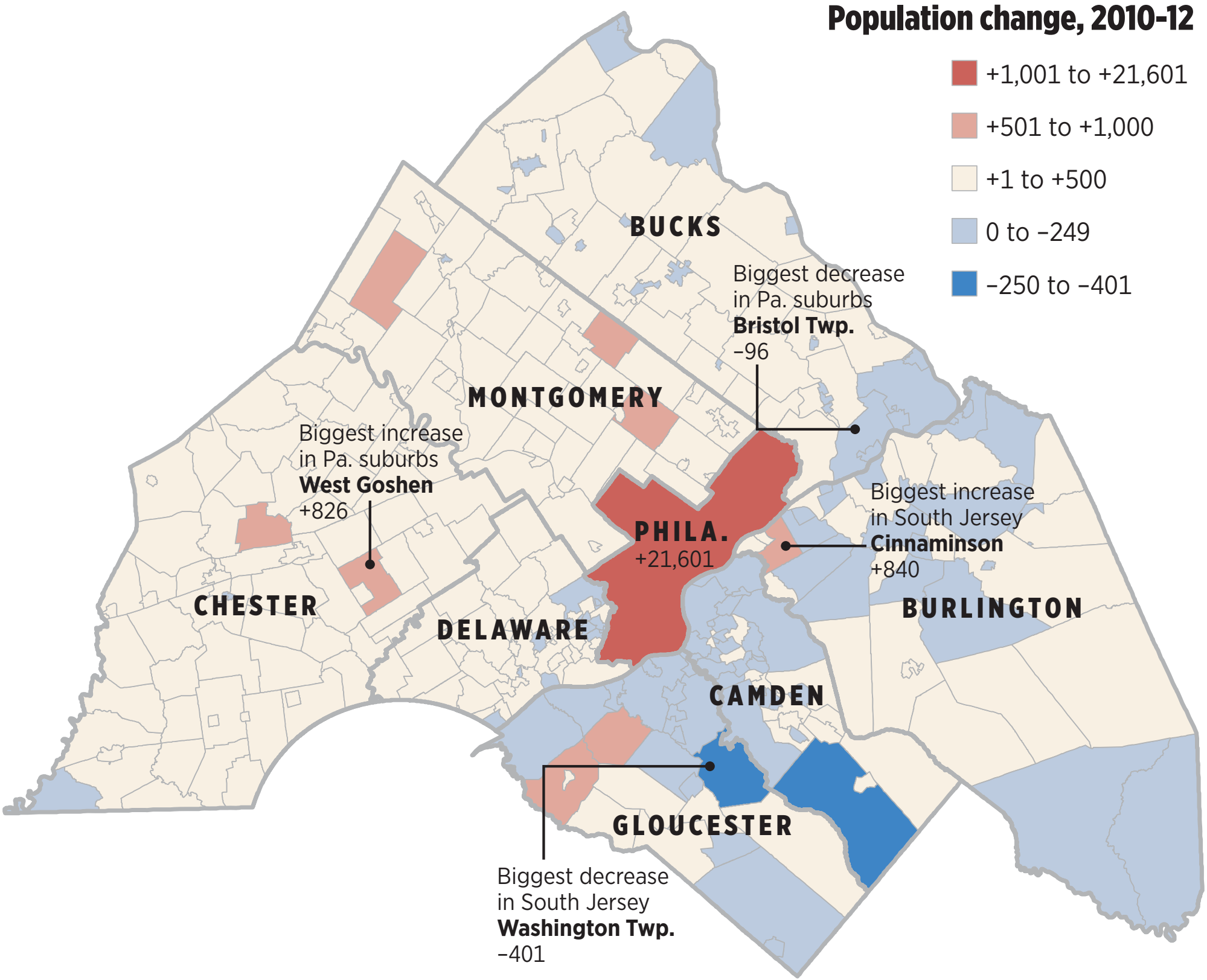
Though some residents have criticized the cost of the deal, and a new appraisal is in the works, Gilmore said he was confident the sale would be completed in September.

Asked whether registered sex offenders could move into that neighborhood before then, Gilmore said, "I would suspect that that's the case."

He added, "We realize we're in uncharted waters" with the ordinance, which was adopted Tuesday and which takes effect early next month.

Hamilton is the only municipality in New Jersey or Pennsylvania to re-

See **ZONE** on B6


Population change, 2010-12
+1,001 to +21,601
+501 to +1,000
+1 to +500
0 to –249
–250 to –401
BUCKS
Biggest decrease
in Pa. suburbs
Bristol Twp.
–96
MONTGOMERY
Biggest increase
in Pa. suburbs
West Goshen
+826
PHILA.
+21,601
Biggest increase
in South Jersey
Cinnaminson
+840
CHESTER
DELAWARE
BURLINGTON
CAMDEN
GLOUCESTER
Biggest decrease
in South Jersey
Washington Twp.
–401

Thank you.

John Duchneskie
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The Philadelphia Inquirer
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Twitter: @jduchneskie

Leaflet

// Using web maps for better cities

@atogle | aogle@openplans.org

http://atogle.github.io/presentations/20131211-ireg/#0

OpenPlans

OpenPlans is a non-profit
that builds **open source software**
to help make **cities better**.

Pretty much the best thing ever.

Leaflet

Simplicity
Performance
Usability

Star 7,254 Fol Like 3.7k

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Leaflet

An Open-Source JavaScript Library for Mobile-Friendly Interactive Maps

Leaflet Features

Leaflet doesn't try to do everything for everyone. Instead it focuses on making *the basic things work perfectly*. It should still satisfy the needs of the vast majority of map apps developers while being easily extended by third-party plugins.

Available Map Layers

- Tile layers
- Markers
- Popups
- Vector layers: polylines, polygons, circles, rectangles, circle markers
- GeoJSON layers
- Image overlays
- WMS layers
- Layer groups

Interaction Features

General

- Drag panning with inertia

On Desktop Browsers

- Scroll wheel zoom

Visual Features

- Zoom animation (for all layers, including tile layers, markers and vector layers)
- Panning animation
- Smooth continuous zoom on modern mobile devices
- Tile and popup fade animation
- Very nice default design for markers, popups and other map controls
- Retina resolution support for tile layers and markers

Customization Features

- Pure CSS3 popups and controls for easy restyling
- Image- and HTML-based markers
- A simple interface for implementing custom map layers
- The same for custom map controls
- Custom map projections (with `EPSG:4326`, `EPSG:3857` and `EPSG:3395` out of the box)
- Powerful OOP facilities for extending existing classes

Map Controls

- Zoom buttons
- Attribution
- Layer switcher
- Scale

Browser Support

On Desktop

- Chrome
- Firefox
- Safari 5+
- Opera 12+
- IE 7–11

On Mobile

- Safari for iOS 3–7+
- Android browser 2.2+, 3.1+, 4+

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Leaflet

An Open-Source JavaScript Library for Mobile-Friendly Interactive Maps

Map

Usage example
Creation
Options
Events

Map Methods

For modifying map state
For getting map state
For layers and controls
Conversion methods
Other methods

Map Misc

Properties
Panes

UI Layers

Marker
Popup

Raster Layers

TileLayer
TileLayer.WMS
TileLayer.Canvas
ImageOverlay

Vector Layers

Path
Polyline
MultiPolyline
Polygon
MultiPolygon
Rectangle
Circle
CircleMarker

Other Layers

LayerGroup
FeatureGroup
GeoJSON

Basic Types

LatLng
LatLngBounds
Point
Bounds
Icon
DivIcon

Controls

Control
Zoom
Attribution
Layers
Scale

Events

Event methods
Event objects

Utility

Class
Browser
Util
Transformation
LineUtil
PolyUtil

DOM Utility

DomEvent
DomUtil
PosAnimation
Draggable

Interfaces

IHandler
ILayer
IControl
IProjection
ICRS

Misc

global switches
noConflict
version

This reference reflects **Leaflet 0.7**. Docs for 0.6 are available in the source form (see instructions for running docs).

Map

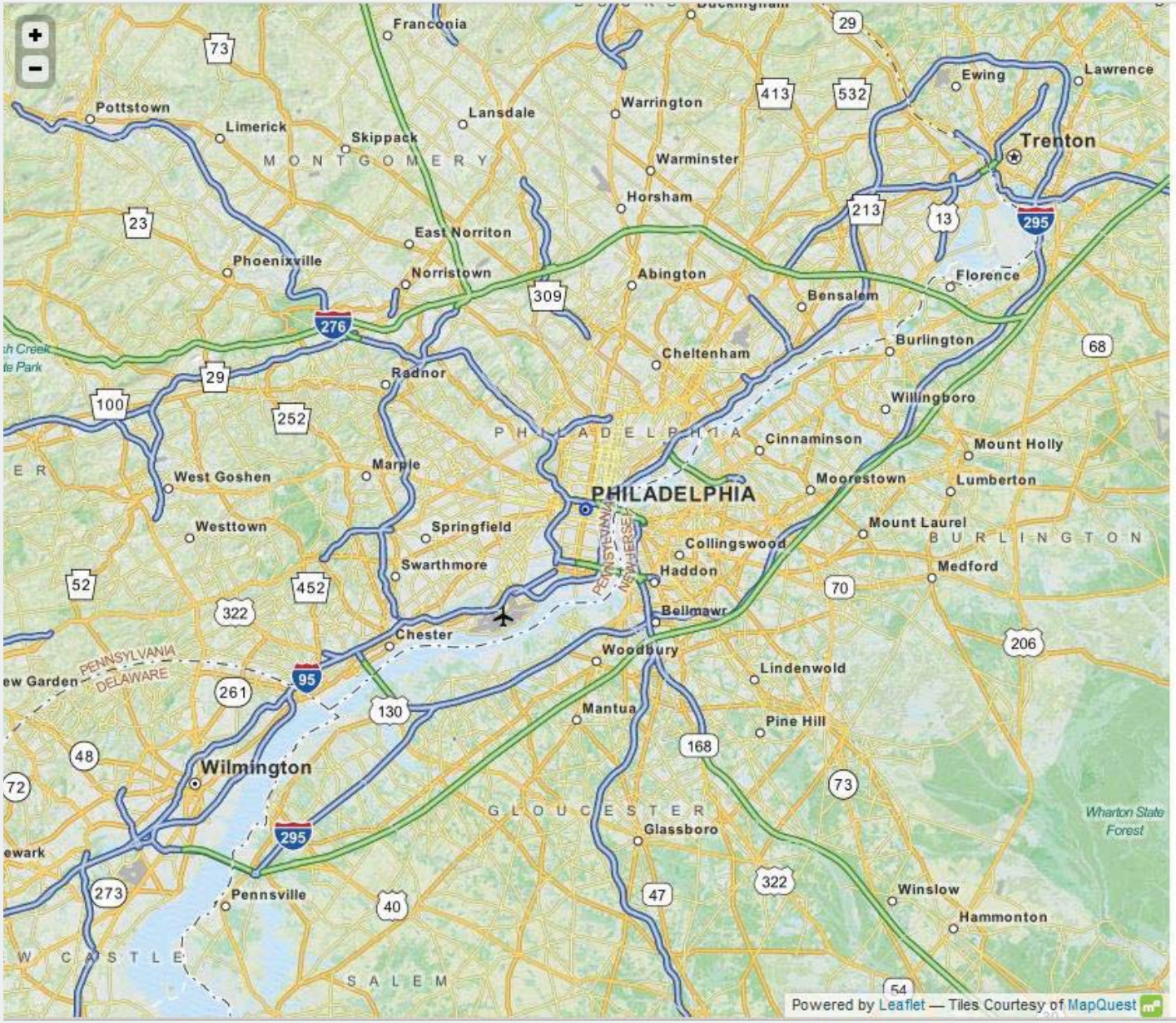
The central class of the API — it is used to create a map on a page and manipulate it.

```
var map = L.map('mapdiv').setView([51.505, -0.09], 13);

L.tileLayer(
  'http://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png',
  { attribution: 'Map data © OSM contributors' }
).addTo(map);
```

Leaflet at OpenPlans

Map Toolbox



Center

[39.952912, -75.163651]

Bounds

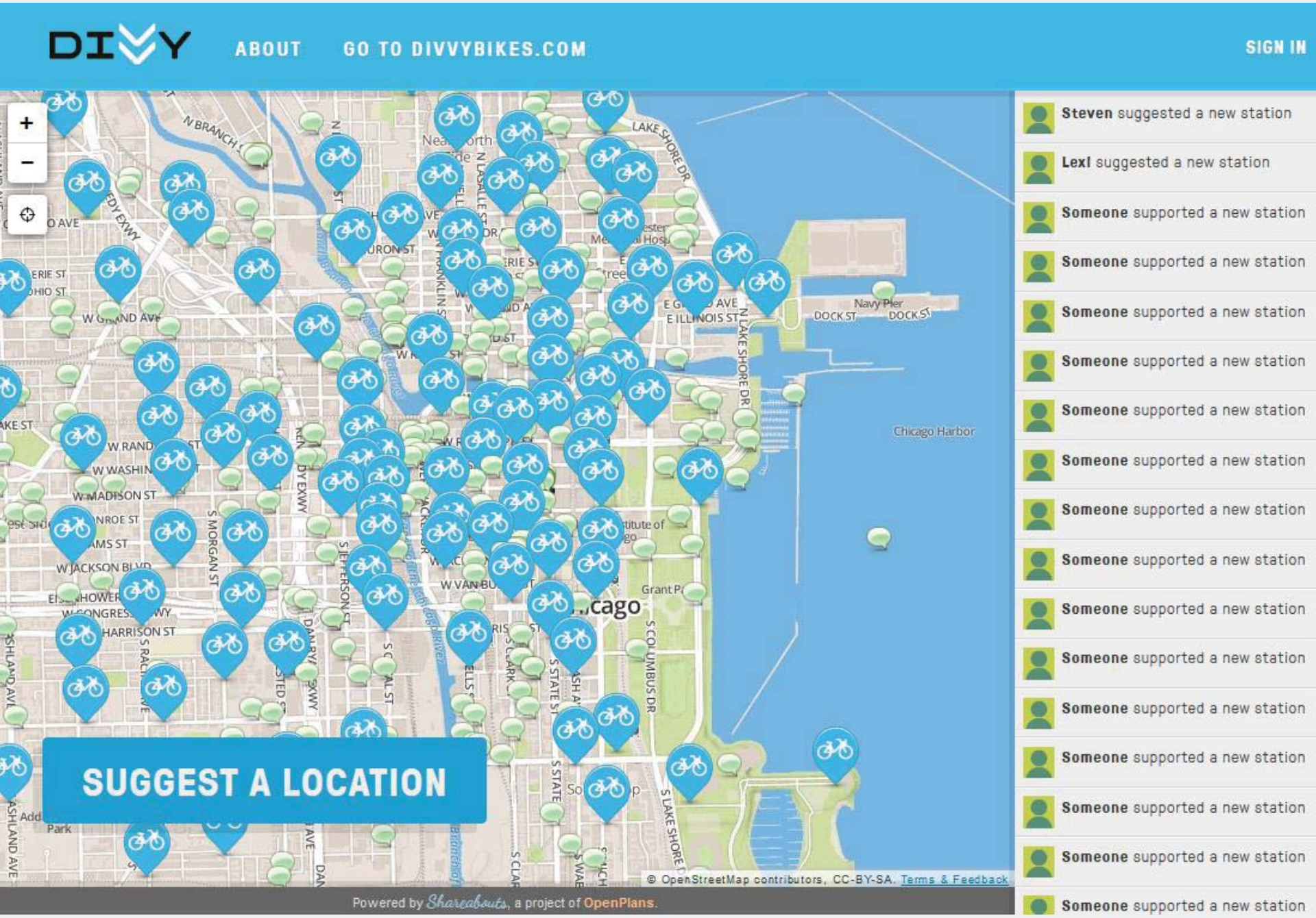
[[39.569705, -75.737000], [40.333983, -74.590302]]

Zoom

10

Census

State: 42
County: 101
Tract: 000500
Blockgroup: 1
Block: 1010


DIVVY
ABOUT
GO TO DIVVYBIKES.COM
SIGN IN
Steven suggested a new station
Lexi suggested a new station
Someone supported a new station
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W RANDOLPH ST
W WASHINGTON
W MADISON ST
W JACKSON BLVD
W VAN BUREN
HARRISON ST
S MORGAN ST
S JEFFERSON ST
S STATE ST
S COLUMBUS DR
S LAKE SHORE DR
E ILLINOIS ST
DOCK ST
Grant Park
Park
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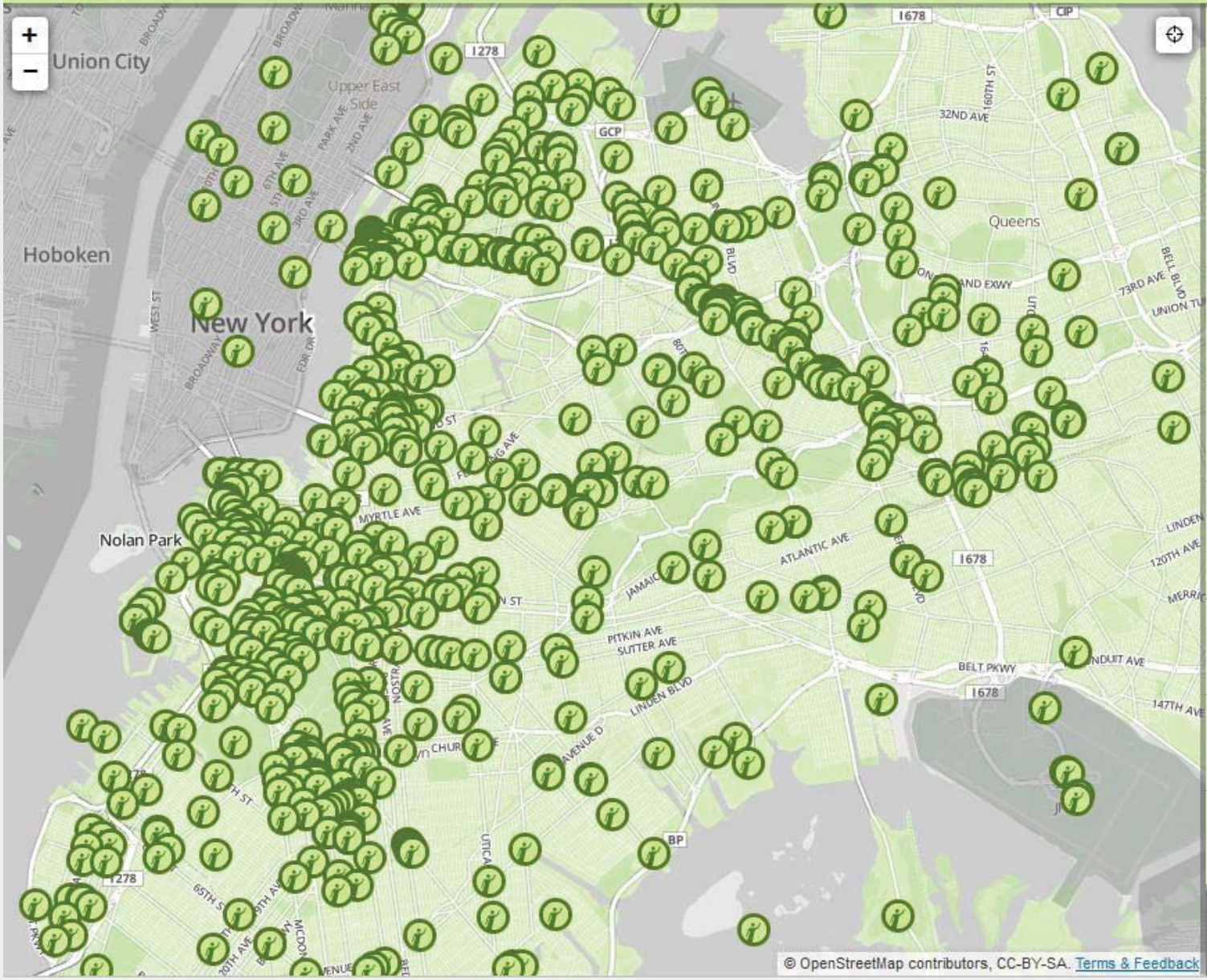
Powered by Shareabouts, a project of OpenPlans.

NYC T BORO

Where do you want #BoroTaxi stands?

About Help TLC Website

SIGN IN WITH Twitter Facebook



Someone supported a suggested Boro Taxi Stand.

Someone suggested a Boro Taxi Stand

Someone commented on a suggested Boro Taxi Stand.

Someone suggested a Boro Taxi Stand : *New buildings, 800 units alone at 4545 center blvd,*

Someone supported a suggested Boro Taxi Stand.

Jane suggested a Boro Taxi Stand : *3309 Fenton Ave, New York, New York 10469*

Tokman G. Chhetry suggested a Boro Taxi Stand : *need taxi*

Someone supported a suggested Boro Taxi Stand.

Someone suggested a Boro Taxi Stand : *Lots of traffic and next to neighborhood hub (near*

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How would YOU spend $1 Million?

ABOUT GUIDELINES GET MORE INVOLVED

SHOW AS A LIST SIGN IN

- Culture and Community Facilities
- Schools and Education
- Environment
- Housing
- Parks and Recreation
- Public Health
- Public Safety
- Seniors
- Streets and Sidewalks
- Transit
- Youth
- Previously funded
- Proposed, not shortlisted

Someone supported Stop sign and / or cross walk at Prospect Avenue and Vanderbilt St

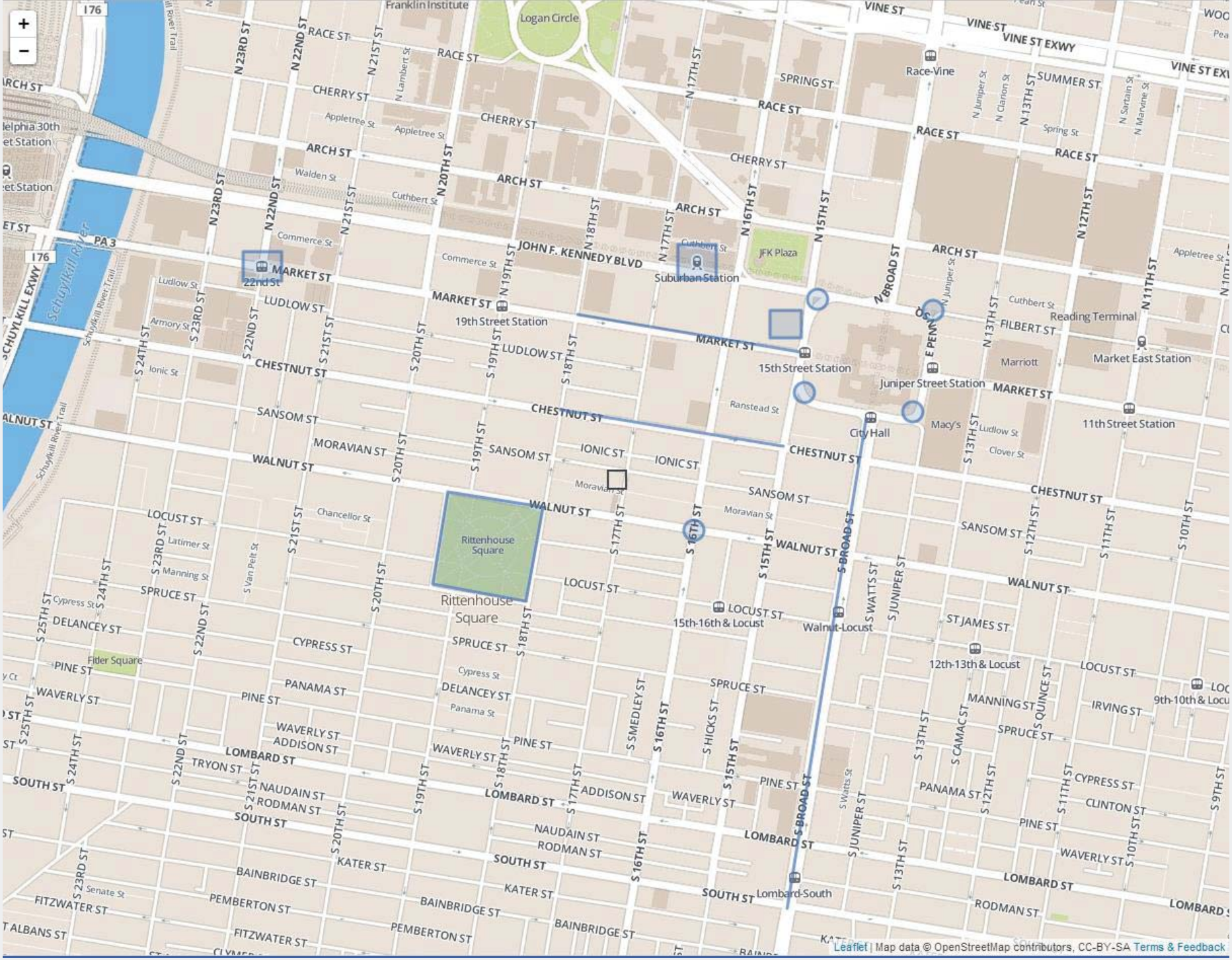
Someone supported Adopt Traffic Calming Infrastructure & Add Public Spaces

Jon Nealon suggested a Public Safety named Red light cameras and other safety features for PS10 intersection

Someone supported A set of CitiBike pods around the park

Matthew Jablon suggested a Streets & Sidewalks named Adopt Traffic Calming Infrastructure & Add Public Spaces

Claudia Joseph suggested a



Franklin Institute
Logan Circle
VINE ST
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Race-Vine
SPRING ST
SUMMER ST
RACE ST
CHERRY ST
ARCH ST
Appletree St
Walden St
Cuthbert St
Commerce St
JOHN F. KENNEDY BLVD
JFK Plaza
Suburban Station
MARKET ST
22nd St
19th Street Station
15th Street Station
Juniper Street Station
Reading Terminal
FILBERT ST
Market East Station
Marriott
Ludlow St
Armory St
Ionic St
CHESTNUT ST
SANSOM ST
MORAVIAN ST
WALNUT ST
IONIC ST
Moravian St
Ranstead St
City Hall
Macy's
Clover St
11th Street Station
Schuylkill River
Schuylkill River Trail
Rittenhouse Square
LOCUST ST
Chancellor St
Latimer St
Manning St
SPRUCE ST
Cypress St
DELANCEY ST
CYPRESS ST
Fitler Square
PINE ST
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WAVERLY ST
ADDISON ST
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NAUDAIN ST
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KATER ST
BAINBRIDGE ST
PEMBERTON ST
FITZWATER ST
Senate St
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Walnut-Locust
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IRVING ST
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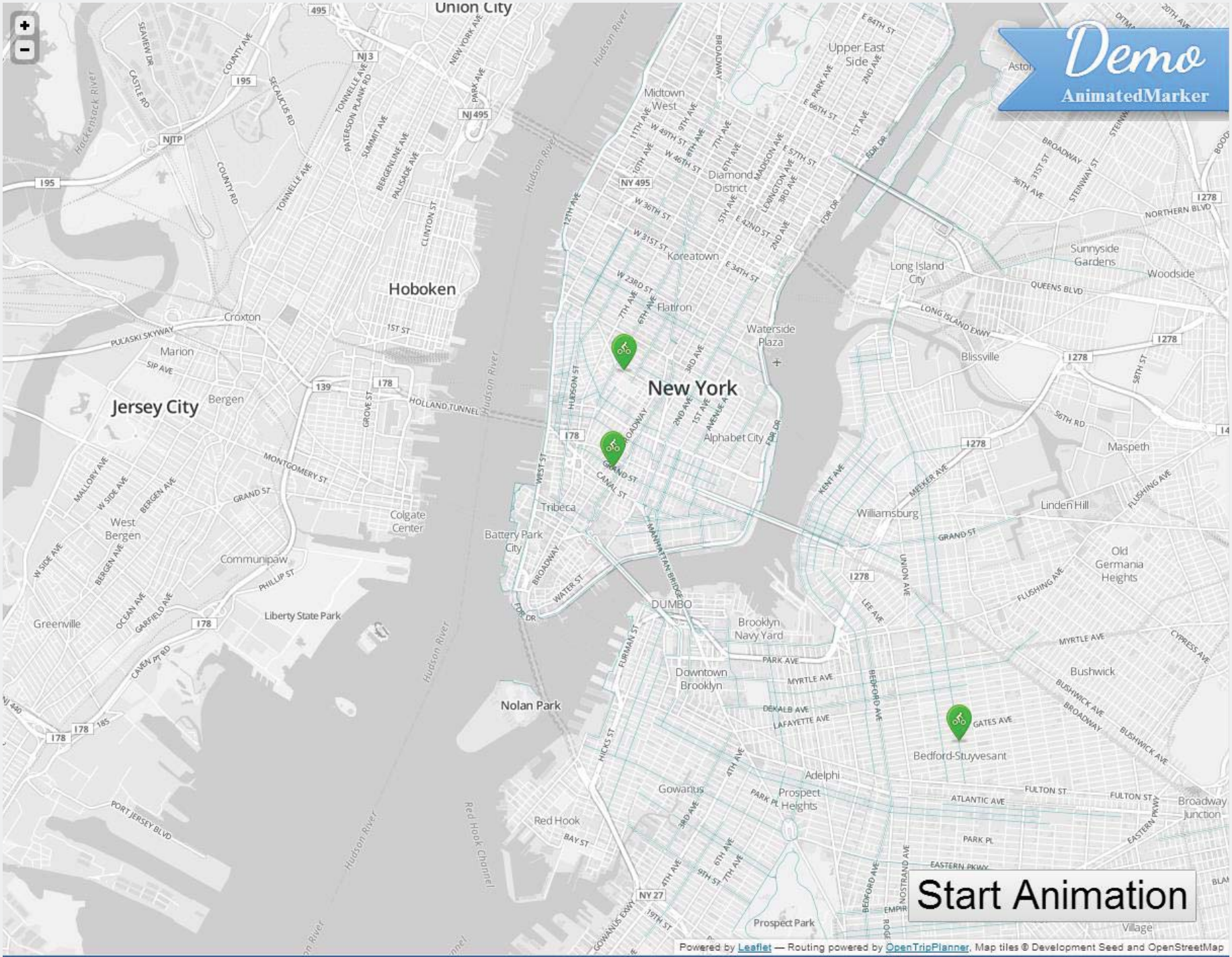
Demo
AnimatedMarker
Start Animation
New York
Jersey City
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Union City
Midtown West
Upper East Side
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Waterside Plaza
Long Island City
Sunnyside Gardens
Woodside
Blissville
Alphabet City
Tribeca
Battery Park City
Colgate Center
West Bergen
Bergen
Marion
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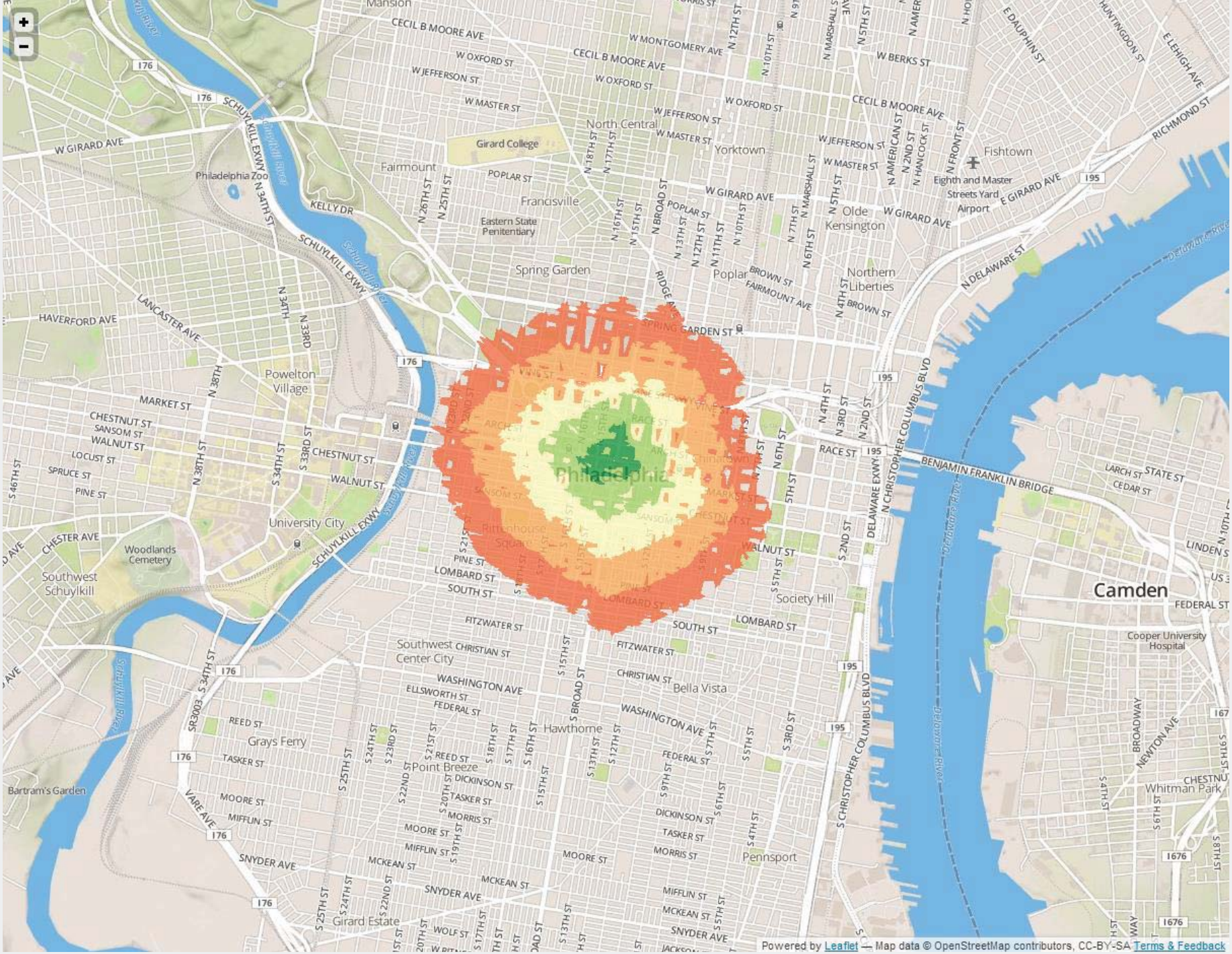
Communipaw
Liberty State Park
Greenville
Nolan Park
DUMBO
Brooklyn Navy Yard
Downtown Brooklyn
Williamsburg
Linden Hill
Maspeth
Old Germania Heights
Bushwick
Bedford-Stuyvesant
Adelphi
Prospect Heights
Gowanus
Red Hook
Prospect Park
Broadway Junction
Hudson River
Red Hook Channel
Powered by Leaflet — Routing powered by OpenTripPlanner, Map tiles © Development Seed and OpenStreetMap


Philadelphia
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Old City
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Spring Garden
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Francisville
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Yorktown
Girard College
Eastern State Penitentiary
Philadelphia Zoo
Powelton Village
University City
Woodlands Cemetery
Southwest Schuylkill
Rittenhouse Square
Bella Vista
Hawthorne
Point Breeze
Grays Ferry
Bartram's Garden
Girard Estate
Pennsport
Camden
Cooper University Hospital
Whitman Park
Eighth and Master Streets Yard
Airport
Delaware River
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Schuylkill River Trail
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Map Toolbox

Shareabouts: Divvy Bikes, Boro Taxis, Participatory Budgeting

Leaflet.FeatureSelect

Leaflet.AnimatedMarker

Leaflet.ImageOverlay.Canvas

Walkshed.js

OpenPlans

Hey, Urban Geeks, Planners, Civic Hackers, and Community Organizers! Get ready for...

PlanningCamp

To hear about future PlanningCamps, follow @PlanningCamp on Twitter.

Past Events:

Philly » February 1st, 2014
Bay Area » October 12th, 2013
NYC » September 21st, 2013

An unconference exploring urban planning, technology, and social change.

PlanningCamps in NYC, Oakland and Philly brought together over 300 planners, organizers, civic technologists and government employees for over 90 sessions. Thanks to everyone who brought enthusiasm and community spirit to make the unconferences possible.

We were energized by all three events, and learned a lot that we are using in our ongoing development of **Plan In A Box**. Try it today to put timely, engaging information about your projects online in a matter of minutes.

Our small team is head down on software development right now, so we've decided to not to proceed with any additional PlanningCamps this year. We'll be at TransportationCamp New England in Cambridge in early April, and at the National APA conference in Atlanta in late April. If you're at either of those events, we hope to see you.

Stay connected on #plancamp

We're using #plancamp on Twitter for event news and updates.

leaflet.js

// Using web maps for better cities

@atogle | aogle@openplans.org

OpenPlans

CREATING MAPS WITH CARTODB

ANDREW HILL
SENIOR SCIENTIST
AT CARTODB

BACKGROUND

vizzuality

Vizzuality

Vizzuality

Madrid, New York, London, Valladolid

http://www.vizzuality.com

Joined on Jun 15, 2010

100 public repos

16 members

Repositories Members

Find a repository… Search

All Sources Forks Mirror

climate-policy

JavaScript ★ 2

This interactive site is an overview of policy issues relevant to climate change across the world.

Last updated 9 hours ago

gfw

JavaScript ★ 8

Global Forest Watch 2.0

Last updated a day ago

sequel-rails

Ruby ★ 1

forked from TalentBox/sequel-rails

A gem for using Sequel with Rails3

Last updated a day ago

tweets_nba

★ 1

Tweets during NBA 2013 finals

Last updated 2 days ago

omo

JavaScript ★ 0

South Omo

Last updated 6 days ago

Trinity Alps Wilderness Area (Usfs)

Trinity Alps, United States

All Photos are provided by Panoramio. Photos are under the copyright of their owners.

1 2 3

Description

The **Trinity Alps Wilderness** is a 525,627-acre (2,130 km2) designated wilderness located in northern California, roughly between Eureka and Redding. It is jointly administered by Shasta-Trinity, Klamath, and Six Rivers National Forests. About 4,623 acres (18.71 km2) are administered by the Bureau of Land Management. The wilderness is located in the Salmon and Scott Mountains, subranges of the Klamath Mountains region. The high, granitic and ultramafic peaks of the eastern

Community Record

71% COMPLETE

WDPA ID
376099

NAME
Trinity Alps

ORIGINAL NAME
Trinity Alps

COUNTRY / TERRITORY
USA

SUB LOCATION
US-CA

IUCN CATEGORY
Ib What is this?

ENGLISH DESIGNATION
Wilderness Area (USFS)

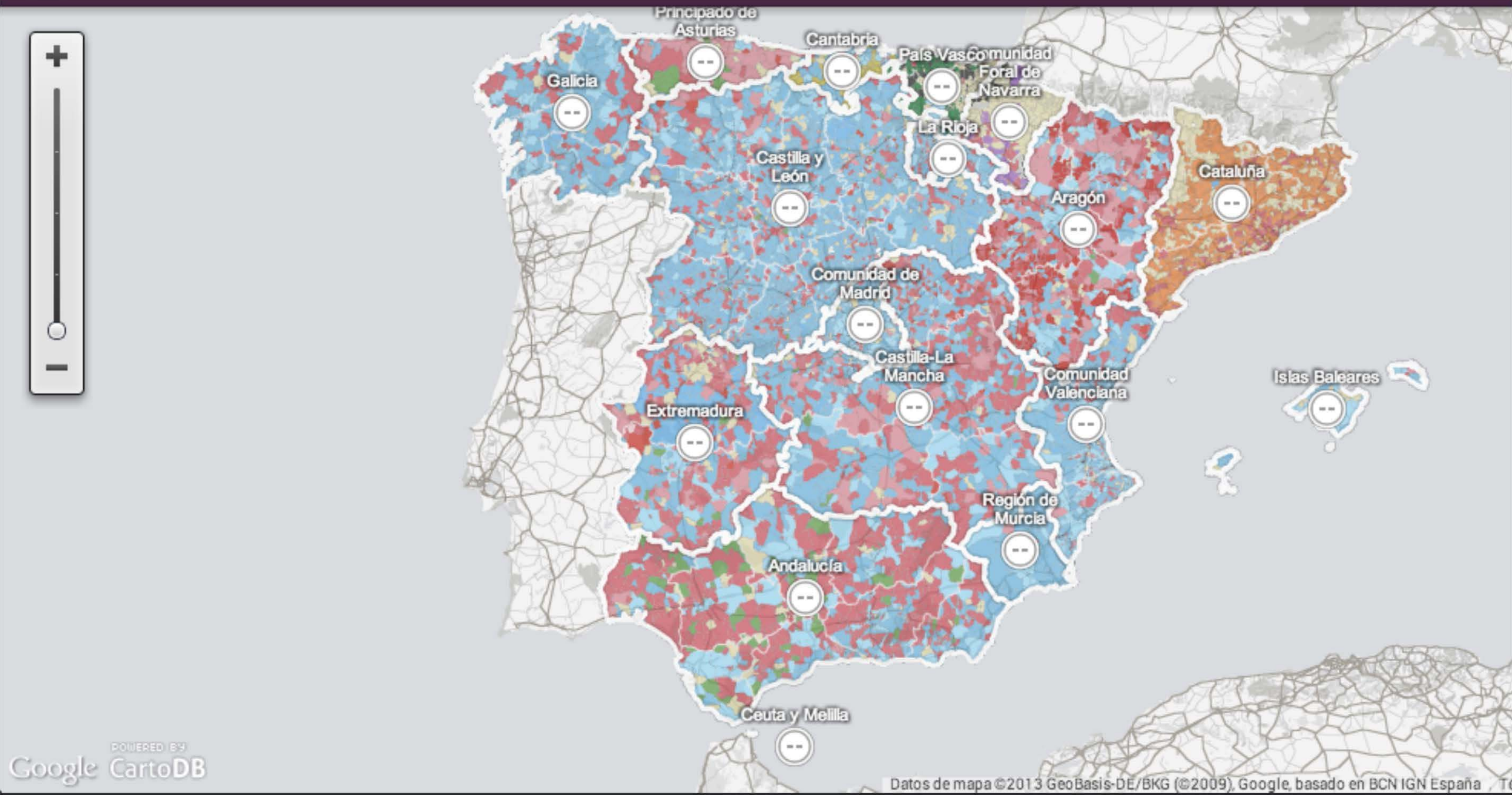
El microscopio del voto

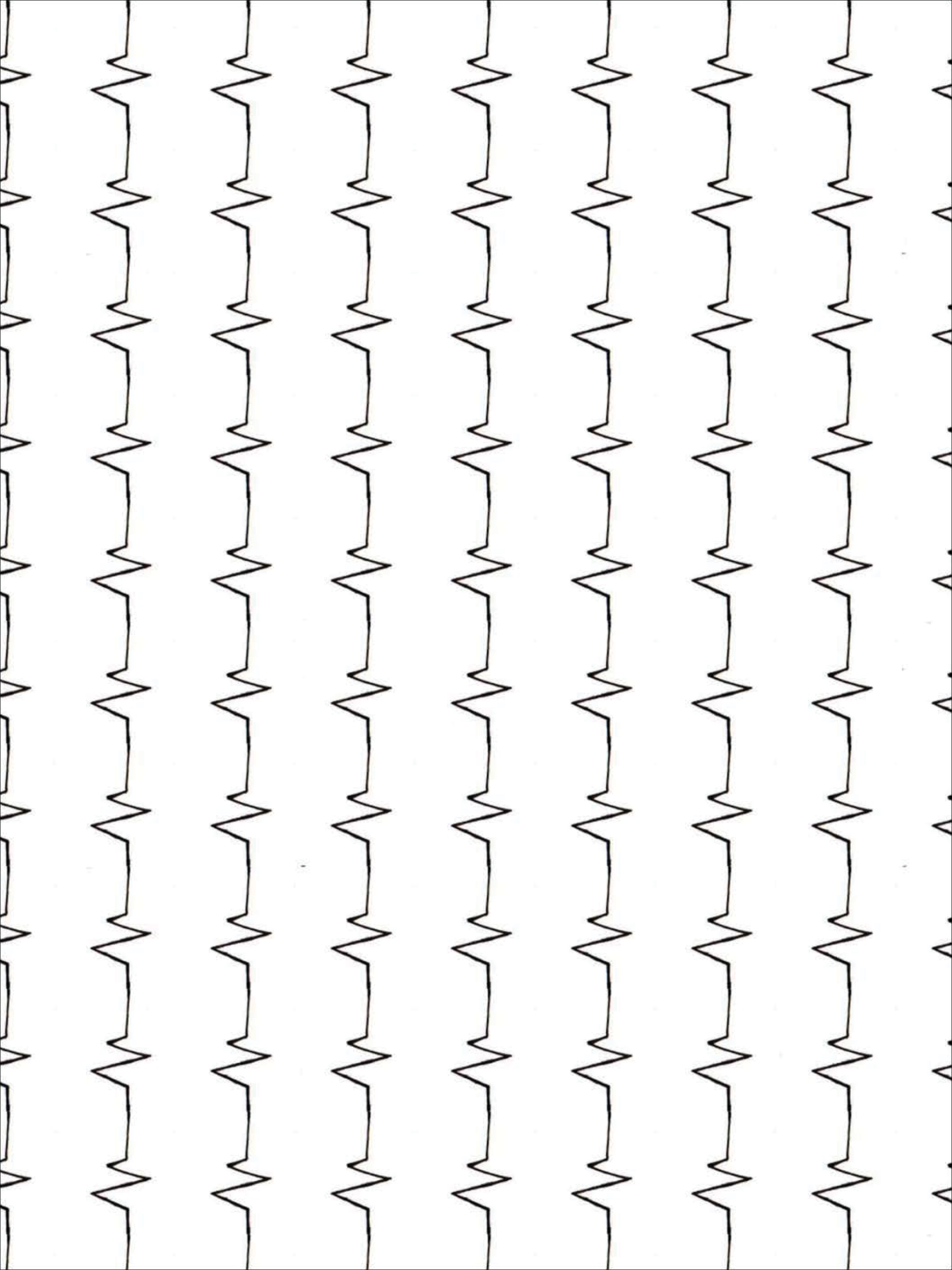
Explora España y descubre si hay relaciones entre los resultados electorales municipales y datos demográficos, económicos y sociológicos, desde 1987.

Introduce una ubicación

Datos demográficos | Datos económicos | Datos sociológi

2011





COMMON NEED?

MAYBE AN OPEN SOURCE TOOL THAT MAKES MAPS EASY AND BEAUTIFUL WOULD BE USEFUL...

CARTODB

Geospatial on the cloud

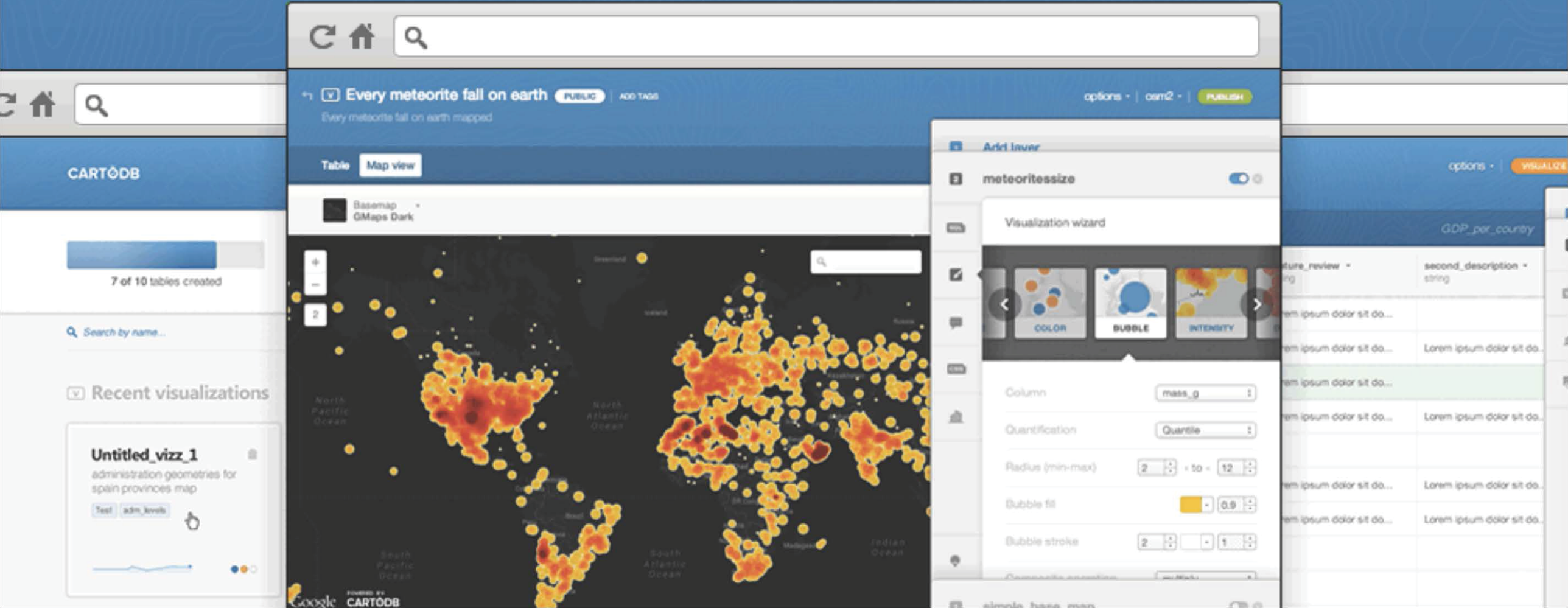
CARTODB

VISUALIZE ANALYZE DEVELOP CASE STUDIES DOCUMENTATION PRICING SIGN IN

We help people visualize and analyze geospatial data

From polygons to points. From hundreds to millions. No limits with CartoDB.

See how Get started



WHAT ARE PEOPLE DOING WITH CARTODB?

FOUR COMMON USES IN BROAD STROKES

TYPE 1: DATA SHOWCASE

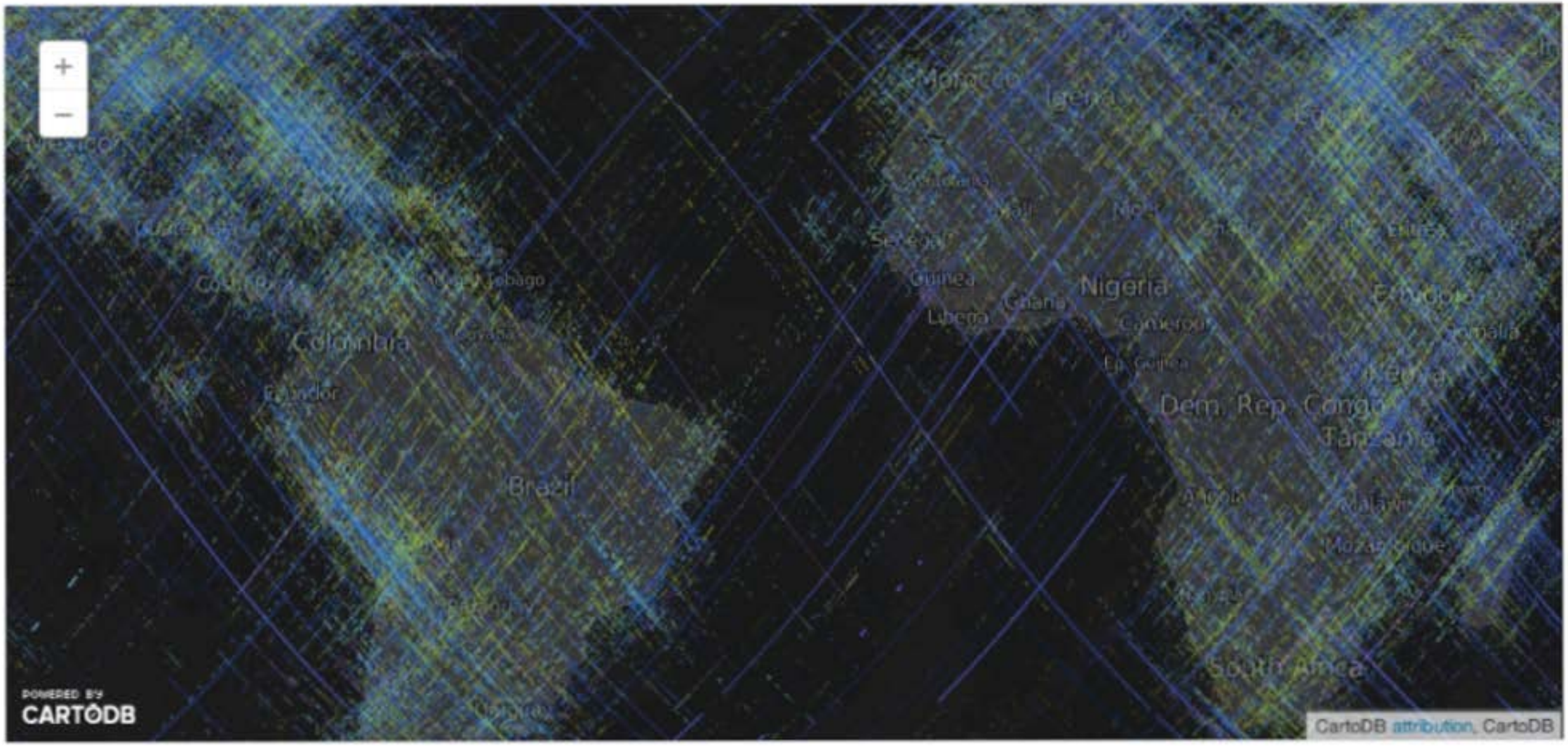
MAKING DATA AVAILABLE & BEAUTIFUL

http://aitor.is/iceland-contour/

saleiva.github.io/ISS-Map/

Mapping 1.1M photos taken by the ISS.

The International Space Station (ISS) is a habitable artificial satellite in low Earth orbit. It can often be seen at the appropriate time with the naked eye from Earth. The ISS serves as a microgravity and space environment research laboratory in which crew members conduct experiments in biology, human biology, physics, astronomy, meteorology and other fields. The station has been continuously occupied for 12 years and 167 days, having exceeded the previous record of almost 10 years (or 3,634 days) held by Mir, in 2010. During all this time, more than a Million of photos of Earth have been taken, and that is what we wanted to show you on the map below.



www.guardian.co.uk/news/datablog/interactive/2013/feb/15/meteorite-fall-map

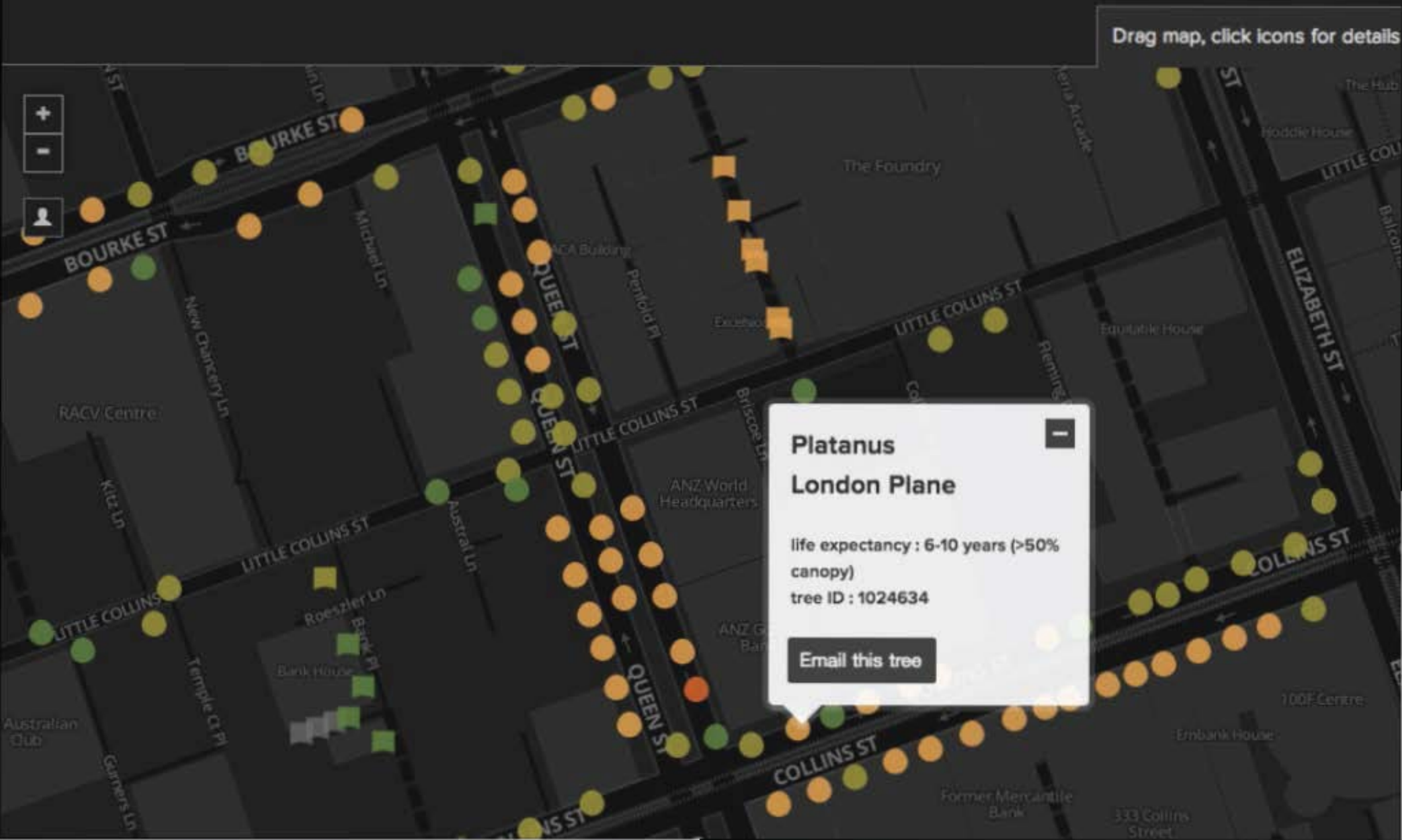
Simon Rogers
guardian.co.uk, Friday 15 February 2013 09.31 EST

Jump to comments (53)

CITY OF MELBOURNE

Urban Forest Visual

Individual tree data for City of Melbourne trees is presented below. **Pan** and **Zoom** into different areas of Melbourne, **click** on tree symbols to reveal details, and **select** between different locations and filters.



How did the world tweet about Wimbledon 2013? This map shows every geotagged tweet mentioning 'Wimbledon' from the two weeks of the tournament. Click dot to see tweet - not vetted for content

Turnham Green

Standard of living

63

Crime rate

309.2 — 76.4

This area — England median

House prices, by Nestoria

Bedrooms

1 2 3 4 5

Asking price	Rent/month
£455,828	£1,731

About the residents

Median age:	33
Employment rate compared to median:	+ 1.6%

Amenities: average travel time

Nearest GP (walking):	5 mins
Nearest grocery (walking):	6.2 mins
Nearest hospital (driving):	5.9 mins

Schools: pupils performance compared to median

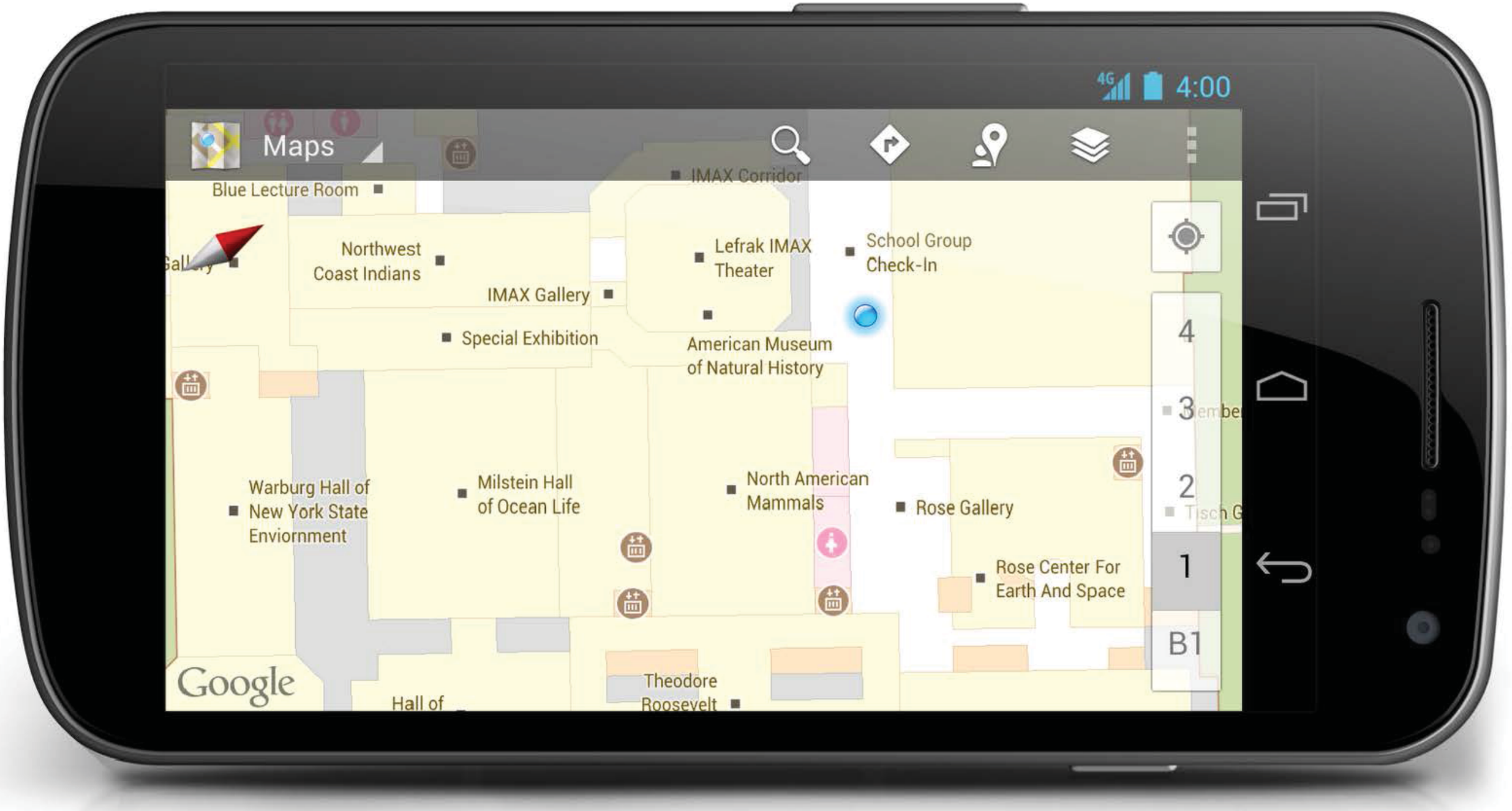
KS2 average point score:	27.4
KS4 average point score capped:	376

These are the average asking prices and rents as recorded this summer. They are provided courtesy of the property search engine Nestoria. Once you click on the map you will get the up to date prices.

Use the selector to change the number of bedrooms for which you get the prices whilst hovering over the map.

TYPE 2: YOUR WORLD

HIGHLIGHT SOMETHING ABOUT THE VIEWERS WORLD


4:00
Maps
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IMAX Corridor
Northwest
Coast Indians
Lefrak IMAX
Theater
School Group
Check-In
IMAX Gallery
Special Exhibition
American Museum
of Natural History
Warburg Hall of
New York State
Enviornment
Milstein Hall
of Ocean Life
North American
Mammals
Rose Gallery
Rose Center For
Earth And Space
Theodore
Roosevelt
Google
4
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2
1
B1

LOW
6 PM
TODAY

HOW ABOUT MORE EXCITING ONES?

OPENSTREETMAP

19 March 2013

3 notes

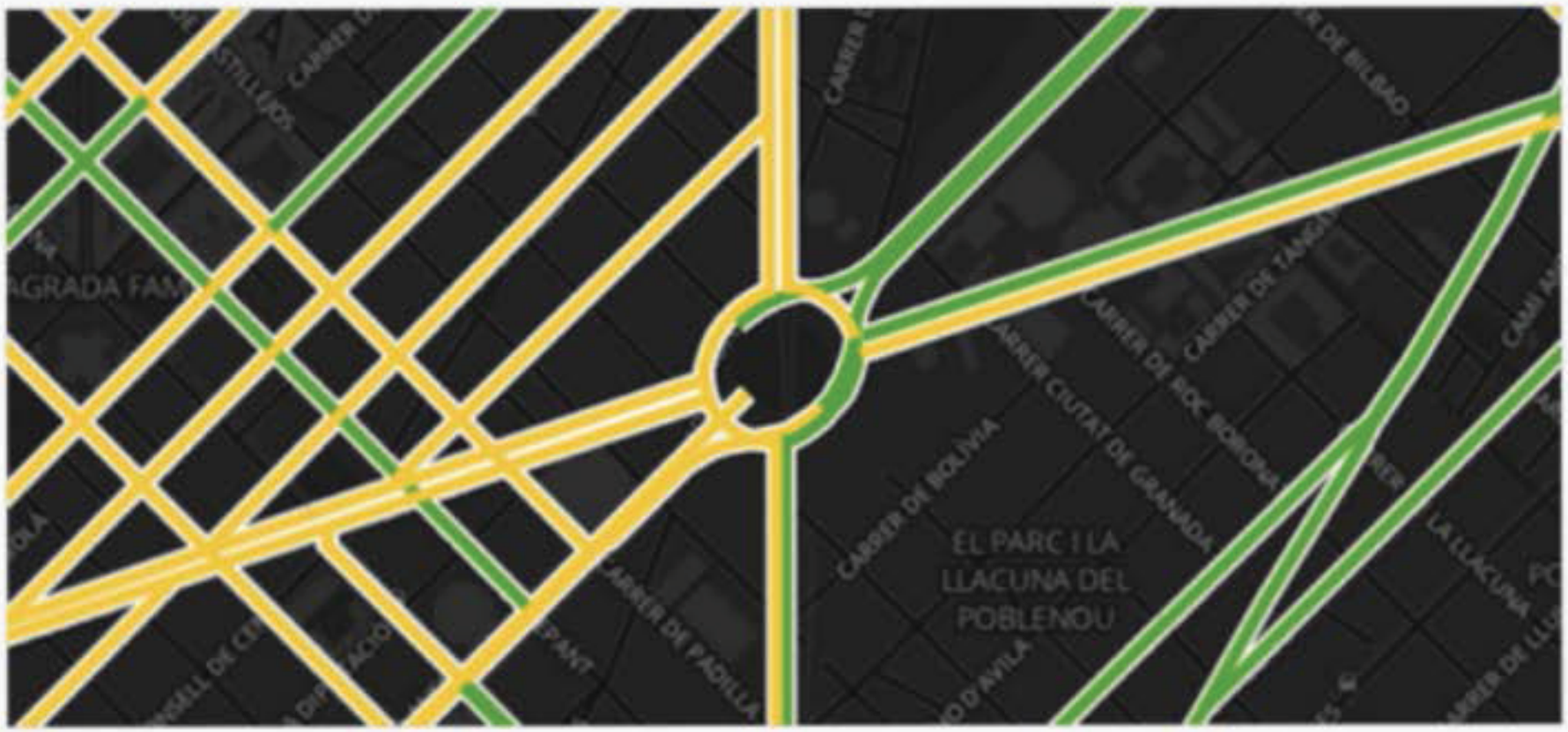
amazing

comparing

real-time

Exploring the differences in dynamic data through time

We often find ourselves exploring what interesting things can be found in data that changes through time. In recent blog posts about the Mobile World Congress (MWC), we have published a couple interesting experiments with temporal data. In the first, we showed how CartoDB could be used to map traffic in Barcelona.



The map was built to automatically update every 15 minutes through the day. In the second map, we show a fun visualization of credit card purchases in Barcelona during MWC compared to

axh_roads PUBLIC | 2 TAGS

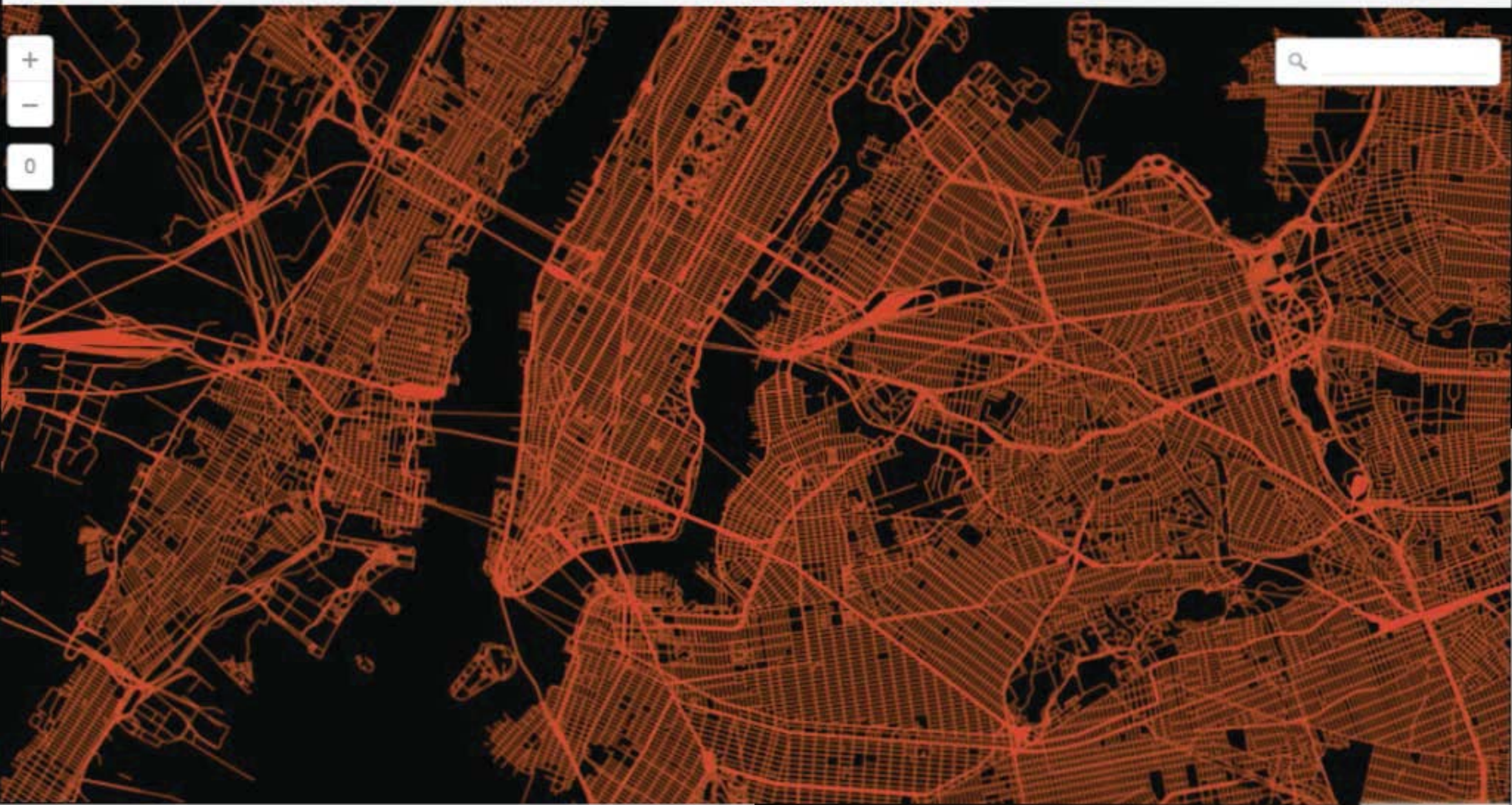
sotmus demo

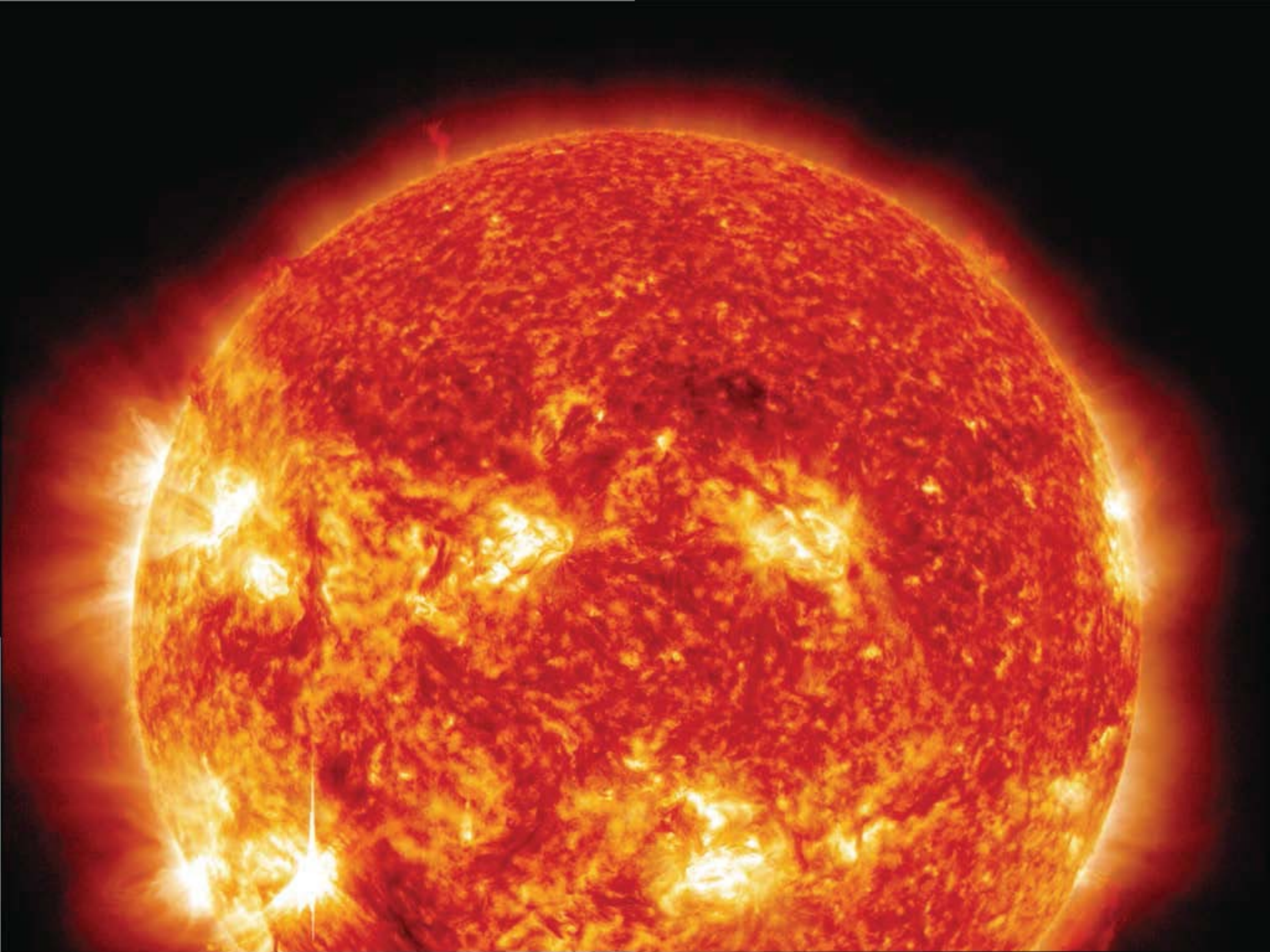
georeference | options | os

Table | Map view

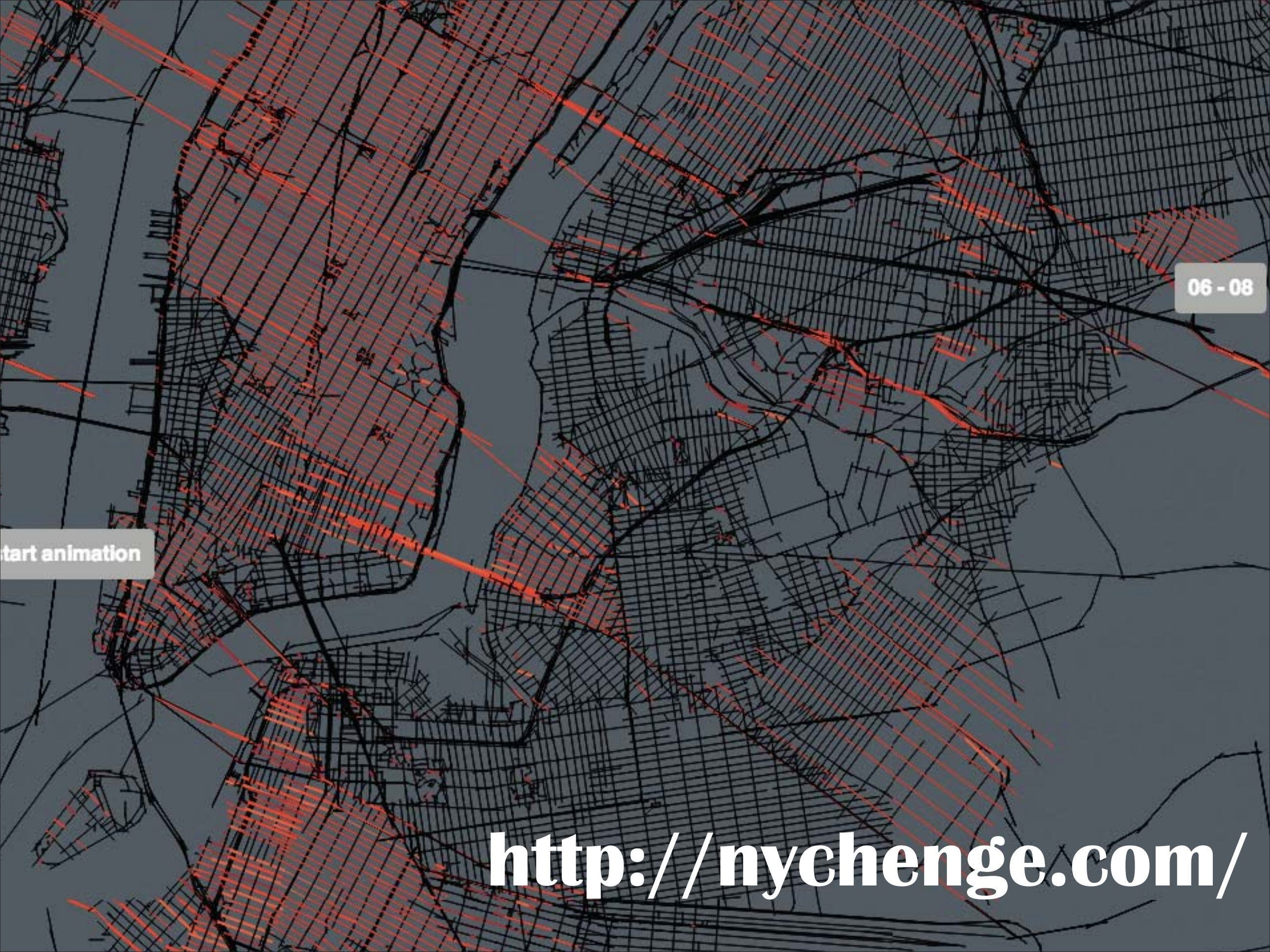
Basemap
Color: #000000

share





http://nychenge.com/


06 - 08
tart animation
http://nychenge.com/

06 - 08
tart animation
FULL STORY
http://bit.ly/1dT2wSj

MOST-DENSE AREAS

New York City

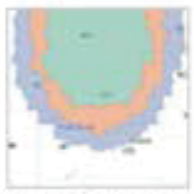
Los Angeles

Chicago

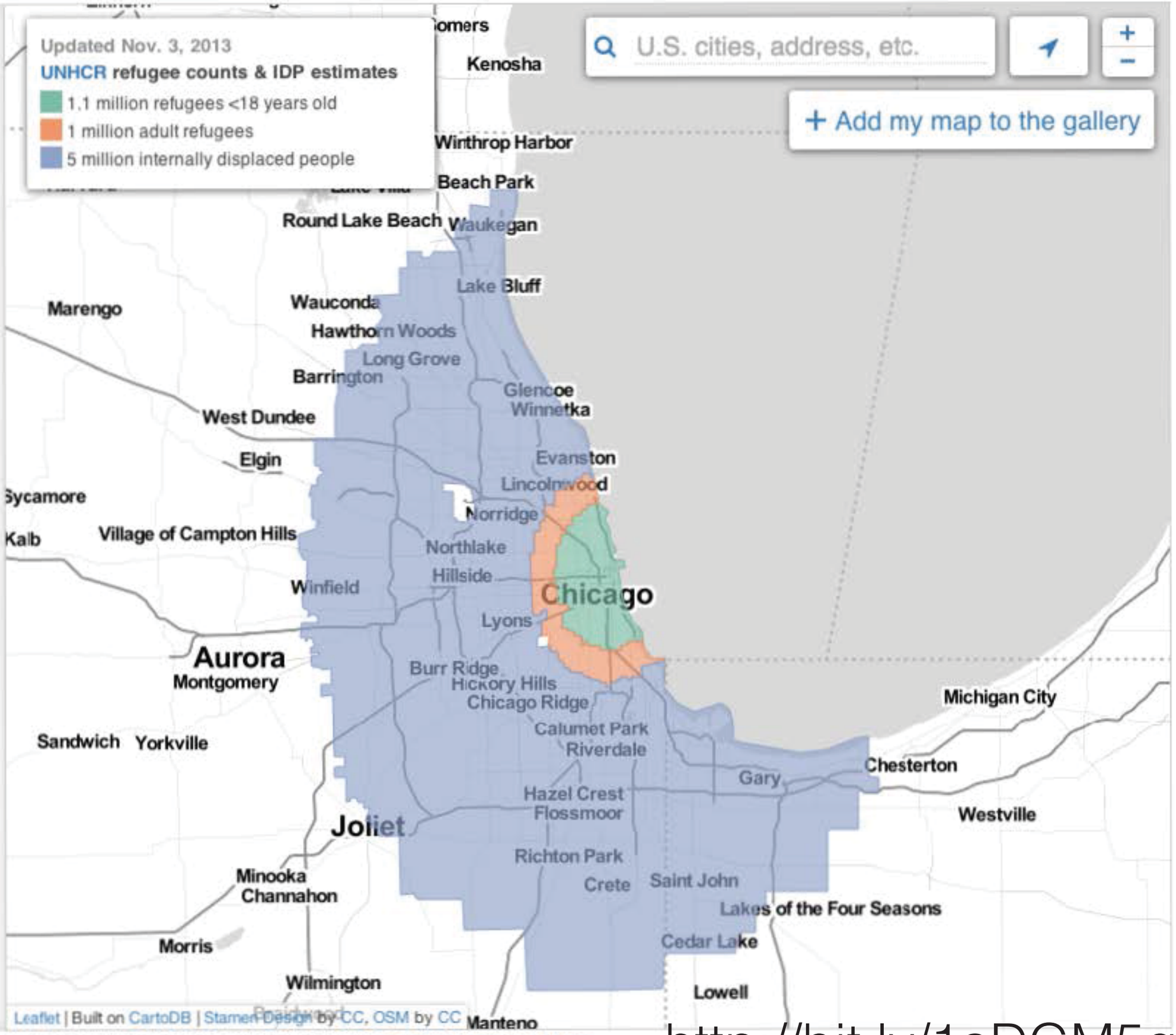
LEAST-DENSE AREAS

Loving County, Texas

Esmerelda County, Nev.



Petroleum County, Mont.

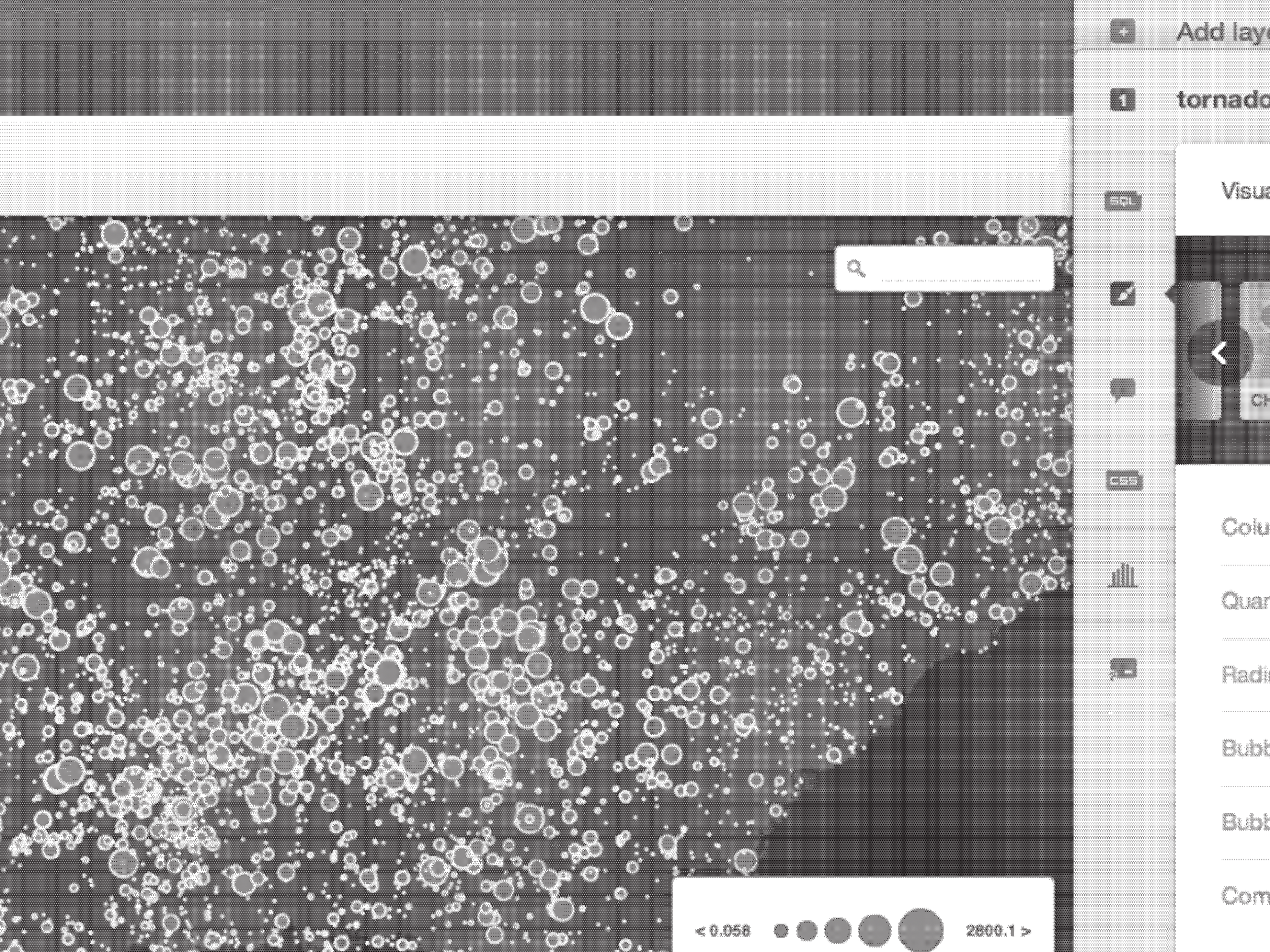


Source: UNHCR. Refugee figures reflect those registered and those awaiting registration. 2010 Census population by tract.

http://bit.ly/1aDGM5g

TYPE 3: TRENDS & CHANGE

TO THEMATIC MAPS AND BEYOND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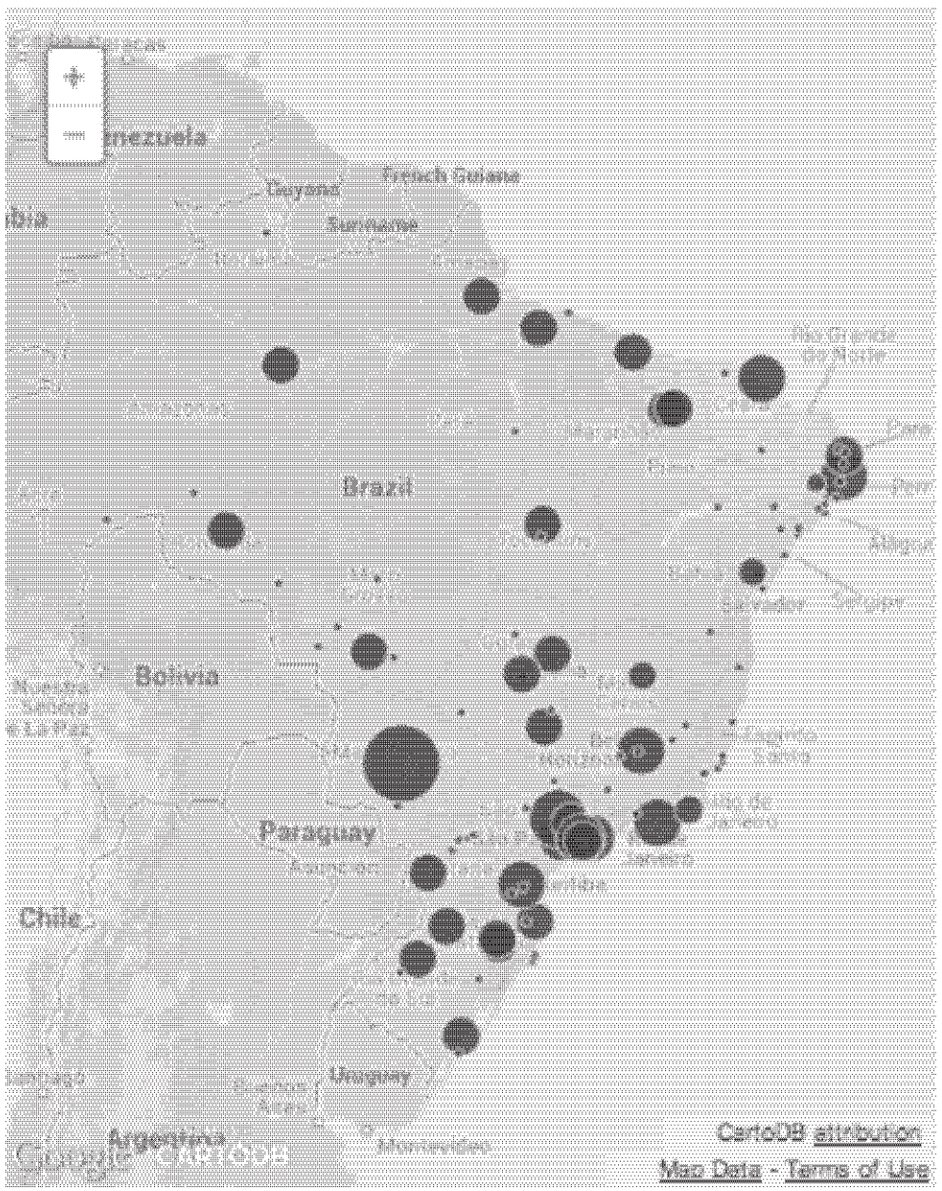


11/07

CIDADE	Nº DE MANIFESTANTES	+ SAIBA MAIS
		cobertura
Catalão (BR-050)	(não informado)	• siga cobertura
Goiânia	2,5 mil	• siga cobertura
Itapaci (BR-153)	50	• siga cobertura
Senanópolis (BR-364)	(não informado)	• siga cobertura

Maranhão

São Luís	800	• siga cobertura

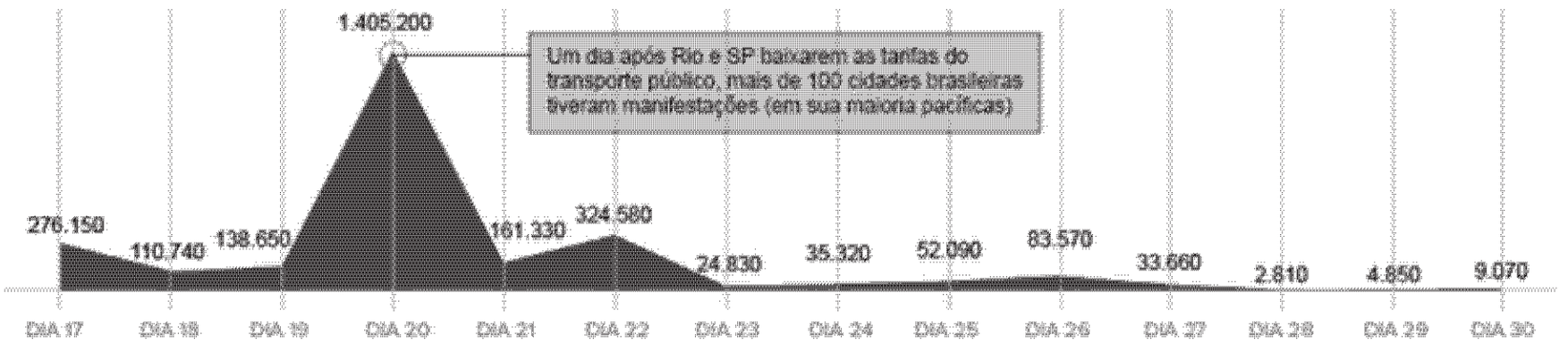
Mato Grosso

Araputanga (MT-248)	100	• siga cobertura
Cuiabá	1,5 mil	• siga cobertura
Sorriso (BR-163)	(não informado)	• siga cobertura
Jaciara (BR-364)	(não informado)	• siga cobertura

• **Leia também**: TABELA: confira o valor da tarifa de ônibus em todas as capitais

Quantas pessoas foram às ruas

G1 passou a fazer a estimativa do número de manifestantes a partir de 17/6*



*A série de protestos em junho começou como reação ao aumento das tarifas de ônibus, metrô e trem em São Paulo e Rio no início do mês

INFOAMAZONIA

Last updated: Sat November 30th, 2013

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11/30/2013 - Agência Pública

BNDES, for export

View image gallery

In the name of globalization, BNDES financing of Brazilian contractors abroad grew 1185% in 10 years.

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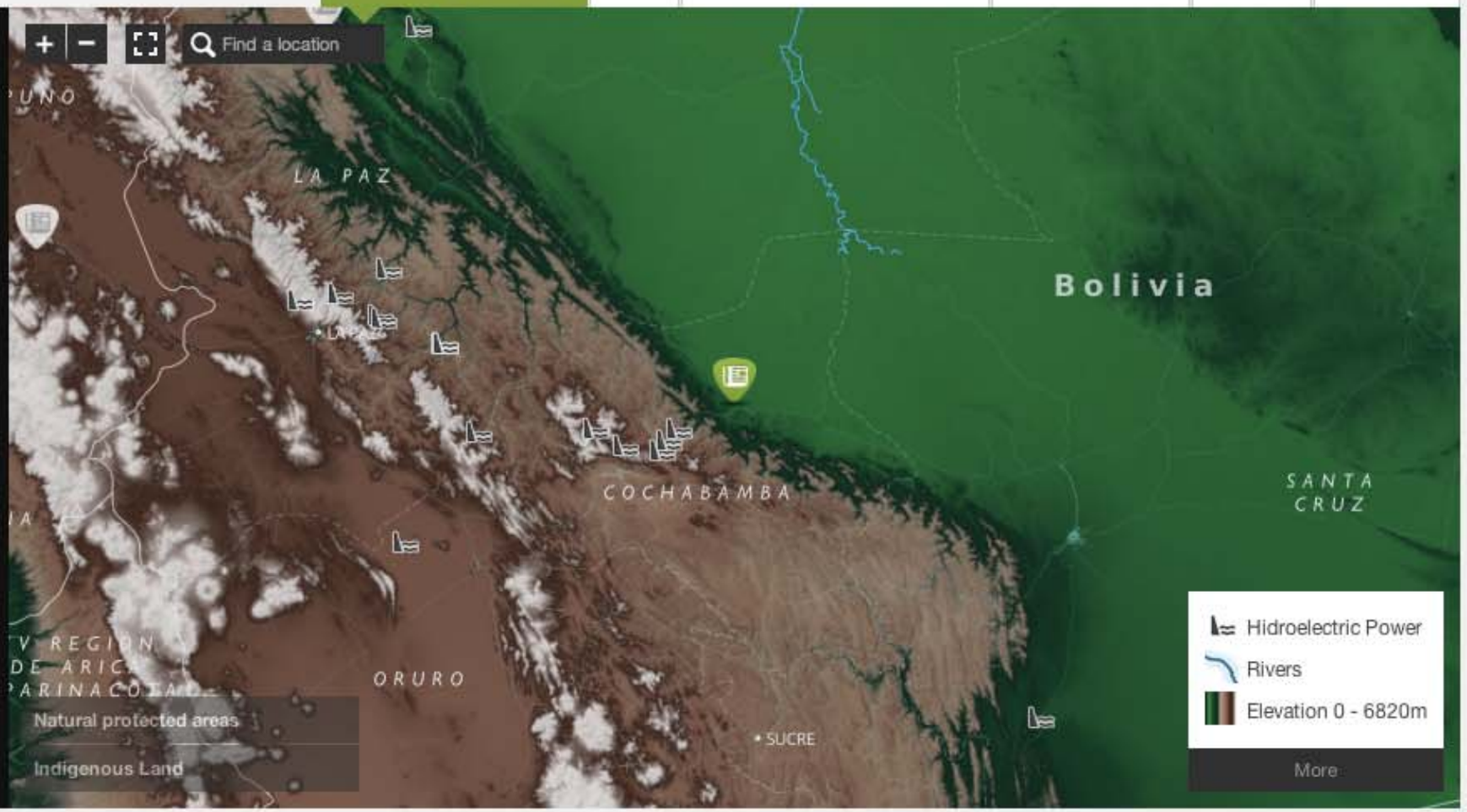
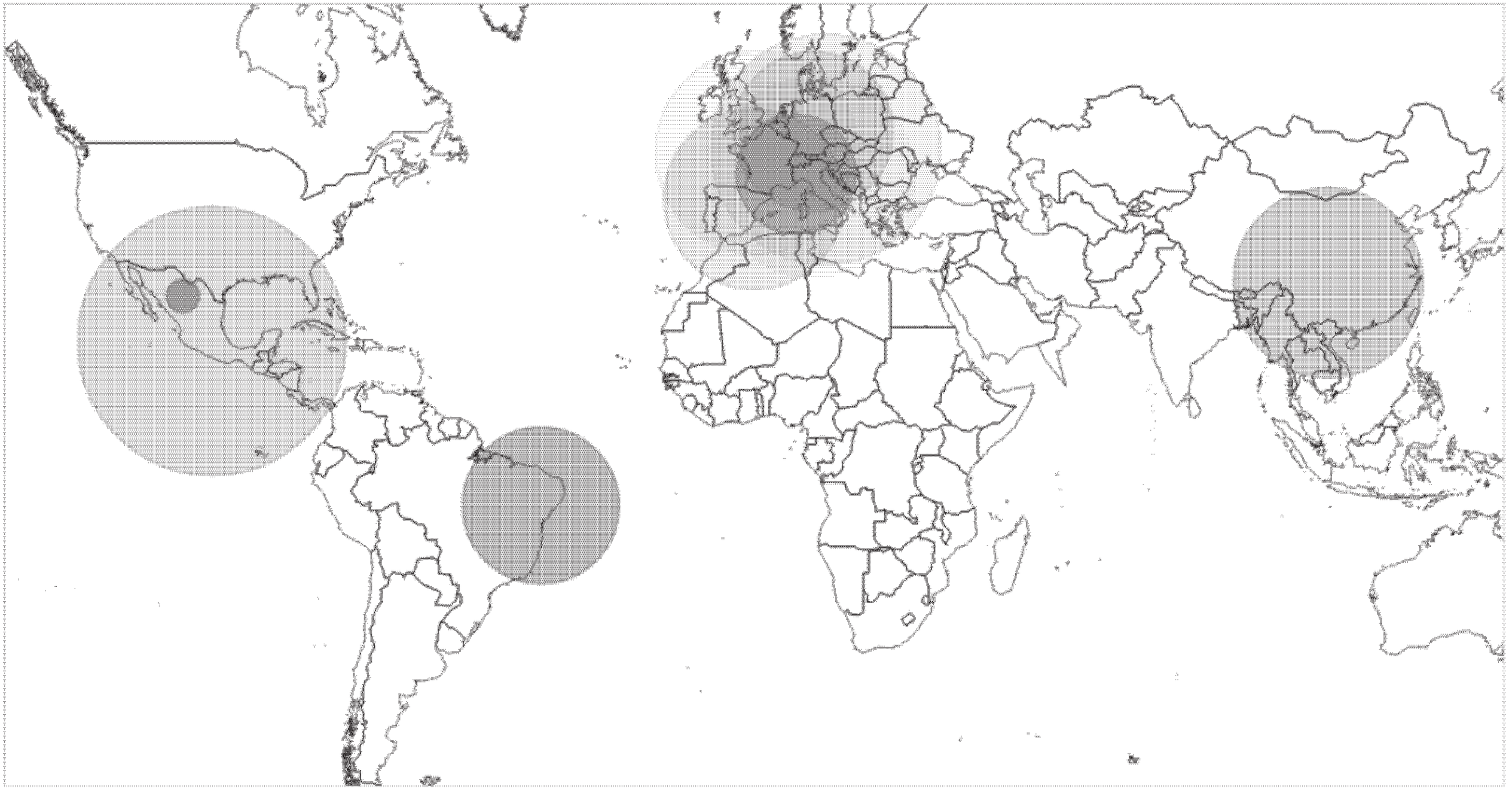


A rain of meteors, a quick retool of earthquake map in D3

May 15, 2013



2013 NBA Playoffs

Amount of tweets during Playoff Finals

San Antonio Spurs

Miami Heat

Static

Dynamic

MIA 109 SAS 98

19:56

6/16/2013

POWERED BY CARTODB

Chicago

Capital of the Midwest

8:42

Lincoln Park Zoo

United Center

Millenium Park

Museum Campus

Museum Of Science & Industry

http://bit.ly/18G7YWH

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table
ow
column
date
resolution
2
cellsize
1
cumulative
trails
steps
250
fps
20
blendmode
lighter
point_type
circle
updateTorque
pause
Other examples
Close Controls
May 1915
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Google CartoDB