

Portfolio

Selected data visualisation samples

Oindriza Reza Nodi

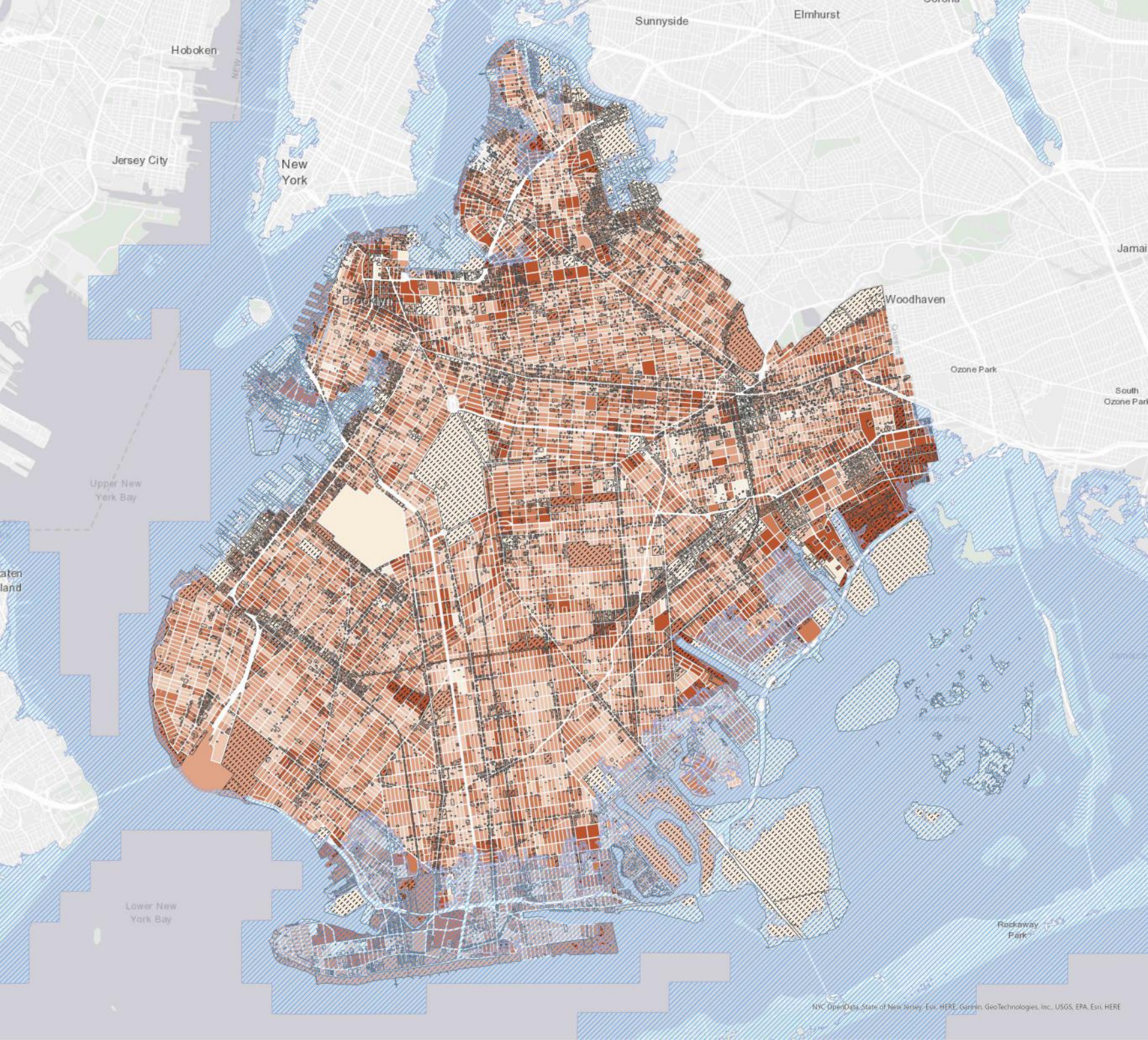
Master of City Planning

Department of City and Regional Planning

Stuart Weitzman School of Design



- 1 Pho 20
- 2 Jiang Hair Salon
- 3 S. Mart
- 4 Little Saigon Cafe
- 5 Tuck Hing Food Market
- 6 On Lok House
- 7 Rainbow Hair Styling Salon
- 8 MJ Wholesale
- 9 Top Cut Salon
- 10 Luen Fong Food and Produce
- 11 David's Mai Lai Wah
- 12 Zen Skin Spa
- 13 Zhu Niangniang Hot Pot
- 14 Jade Harbor Chinese
- 15 Chung May Food Market
- 16 Ocean Harbor Dim Sum
- 17 Hop Sing Laundromat
- 18 Yi Pin Restaurant
- 19 AM Salon
- 20 Bread Top House
- 21 Bai Wei Sakura Mandarin
- 22 Nan Zhou Hand Drawn Noodle House
- 23 YU ZU Foot & Body Massage Spa
- 24 Dim Sum Garden
- 25 Chinatown Square
- 26 May Flower Bakery
- 27 Zhangliang Malatang
- 28 Ken's Chinese
- 29 Ho Sai Gai Restaurant
- 30 M Kee Chinese
- 31 Chubby Nori
- 32 Vivi Bubble Tea
- 33 Ting Wong Chinese
- 34 Tea Do
- 35 Mango More Dessert
- 36 More Sugar
- 37 Chinese Noodle Factory
- 38 A La Mousse
- 39 Touched By Angels Sap
- 40 Artiva Hair Salon
- 41 Yakitori Bay
- 42 Lee How Fook
- 43 Vietnam Restaurant
- 44 Canto House
- 45 Luscious Dumplings
- 46 Cily Chicken Rice and Thai Food
- 47 Tsaocaa & BBQ Chicken
- 48 L & L Lucky Market
- 49 Chuan Kee Skewer
- 50 Matcha Cafe Maiko
- 51 Nine Ting - Chinatown
- 52 Hong Kong Bakery Shop
- 53 Jinwei Chinese
- 54 Beijing Duck Seafood Restaurant
- 55 Megumi Japanese Ramen and Shushi Bar
- 56 Pho Xe Lua Viet Thai Restaurant
- 57 ShiMaoDao Yunnan Rice Noodle
- 58 Matcha Panda Cafe
- 59 Terakawa Ramen
- 60 Prince Tea House
- 61 Ray's Cafe and Tea House
- 62 Kungfu Hotpot
- 63 Spice C
- 64 Evergreen Spa
- 65 Sang Kee Peking Duck House
- 66 Ocean City Restaurant
- 67 Chlitina Spa
- 68 Newway Hair Salon




Estimates of populations that are at risk of flooding based upon whether or not they sit in the 100-Year flood plain

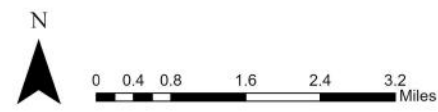
Brooklyn, New York

Population per non - residential unit as percentage of total population

- 0% - 0.003641%
- 0.003642% - 0.00817%
- 0.008171% - 0.012246%
- 0.012247% - 0.019266%
- 0.019267% - 0.044193%


 Non - residential units

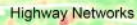
 100 year flood plain



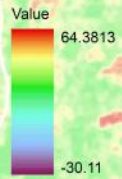
5. Heat Map

Map of census tracts with high poverty rate and high Hispanic, African Americans and Asian Population over summer main land surface temperature at the City of Detroit, Michigan

 Census Tracts with 25% or more people living below poverty rate and 25% or more Hispanic or African American population or 10% or more Asian population.

 Highway Networks

Summer main land surface temperature in degree Celsius in 2022 using Landsat 9 OLI/TIRS sensors



0 1.25 2.5 5 7.5 10 Miles

Data Sources:
Landsat-9 image courtesy of the U.S. Geological Survey
5 year American Community Survey 2022 data
<https://gis-michigan.opendata.arcgis.com/>

City of Detroit

1. Points

Map of points where contaminant substances are released in 2024 with respect to racial density across state of Michigan

1 Dot = 14.5833333 people

- American Indian and Alaska Native alone
- Asian alone
- Black or African American alone
- Hispanic or Latino Population
- Native Hawaiian and Other Pacific Islander alone
- White alone



Point where a contaminant substance is released with 2 mile buffer radius

N



Data Source:
<https://gis-michigan.opendata.arcgis.com/data-sets/egle-part-201-environmental-contamination-sites/about>

<https://www.arcgis.com/apps/mapviewer/index.html?web-map=30d2e10d4d694b3eb4dc4d2e58dbb5a5>



Berrien

Contaminant:
 Chlorinated Volatile and Semi Volatile Organic Compounds,
 Elements/ Metals/Other Inorganics, Per- and Polyfluoroalkyl
 Substances

Site Name: 724 South Fair Avenue

City: Benton Harbor

County: Berrien

Muskegon

Contaminant:
 Chlorinated Volatile and Semi Volatile organic Compound

Site Name: 1871 Peck Street

City: Muskegon

County: Muskegon



Holland

Contaminant:
 Elements/ Metals/Other Inorganics, Petroleum Volatile an
 Semi Volatile Organic Compounds

Site Name: City of Holland Warehouse (213)

City: Holland

County: Ottawa



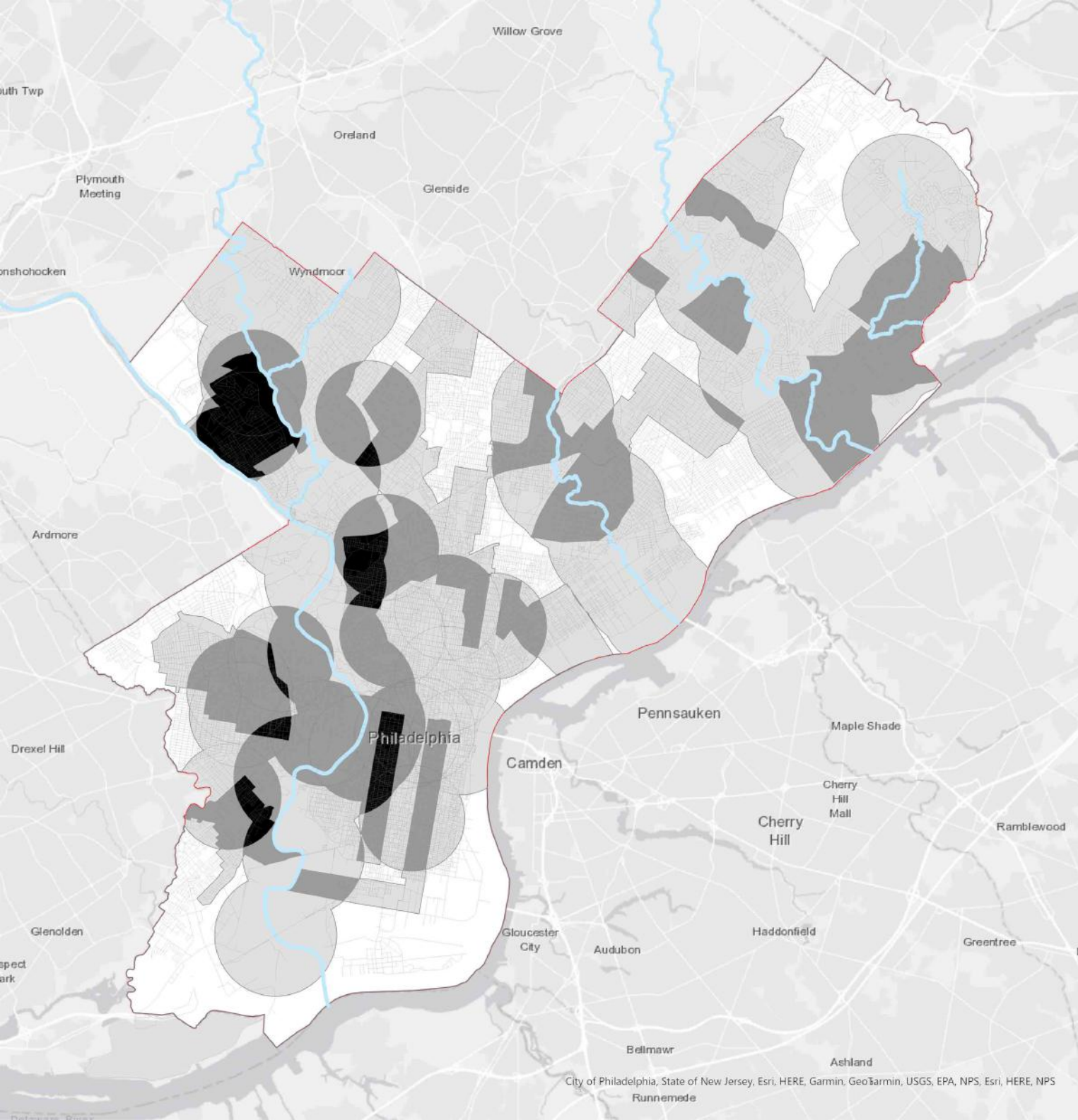
Kentwood

Contaminant:
 Elements/ Metals/Other Inorganics

Site Name: 3402 36th Street SE

City: Kentwood

County: Kent



Running Area Criteria:

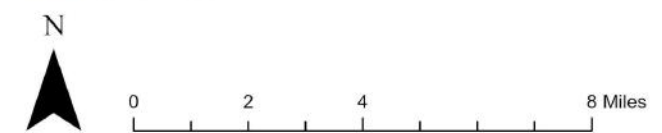
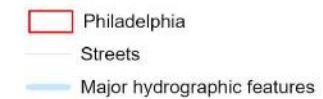
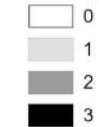
1. Within one mile of where a road and a major hydro-feature cross.
2. To run in areas with trash collection on Tuesday or Thursday.
3. Within one mile of a Farmer's Market open on Monday, Wednesday, or Friday.

Number of criteria met	Sum of area in acres
0	40005.38
1	79519.09
2	51207.59
3	9619.56

Table 1: Total acres within each Criteria Zone

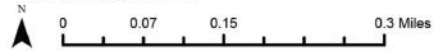
Map displaying number of "running criteria" met for each area

Number of criteria met





Neighborhood map of Queen Village
Census Tracts 16 + 17



- Building footprints (PHL)
- Delaware River
- Building Footprints (Census Tracts 16+17)
- Census Tracts 16 and 17
- Road Network
- Parks and green spaces
- Units with Shopfronts
- Registered Historical Sites



A Residential Unit at
Bainbridge St



Shopfronts at
Lombard St



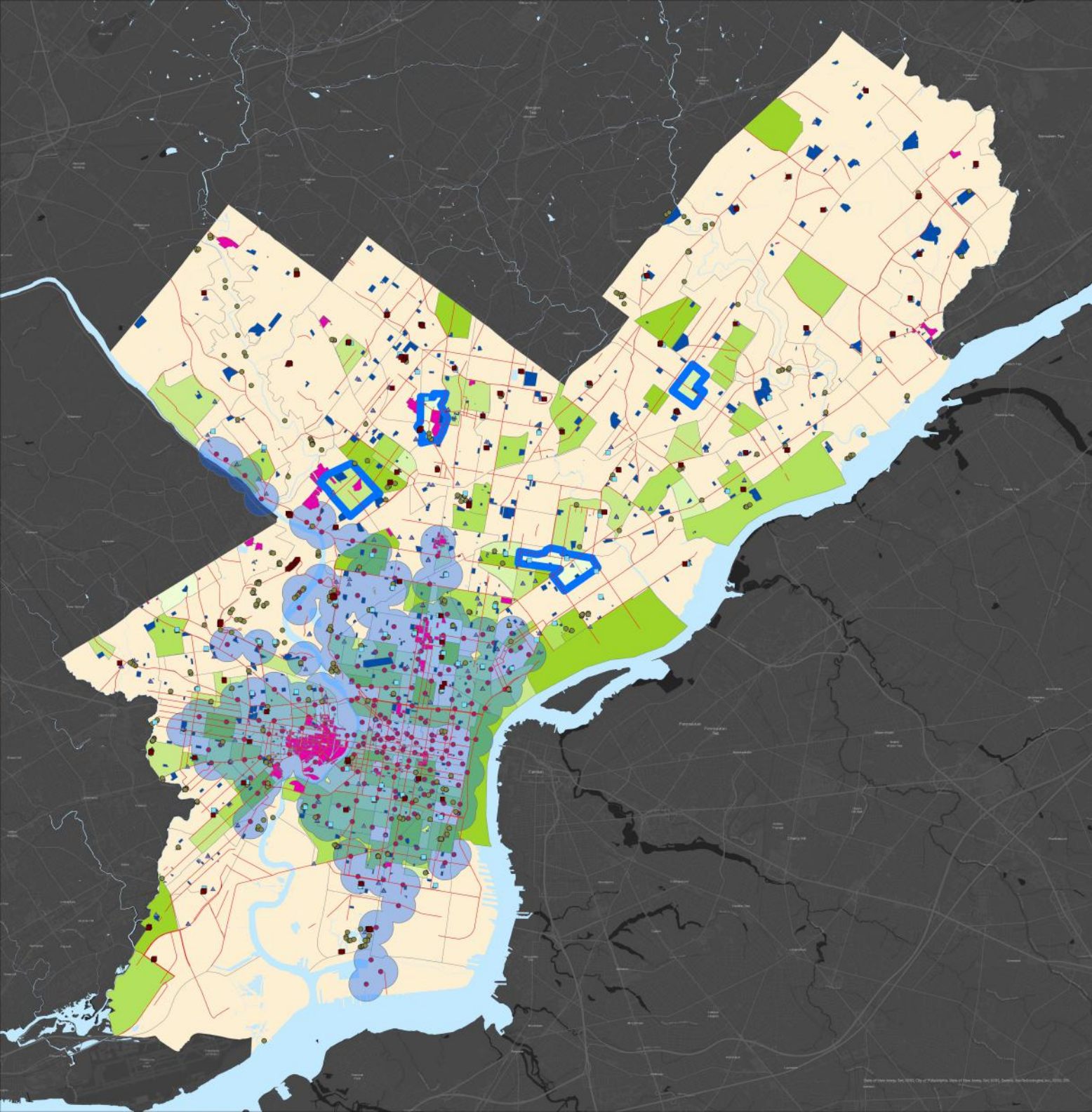
Weccacoe
Playground



South street view point of
Delaware river

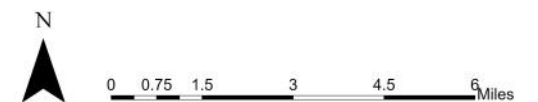


The Delaware river View from
south street end point

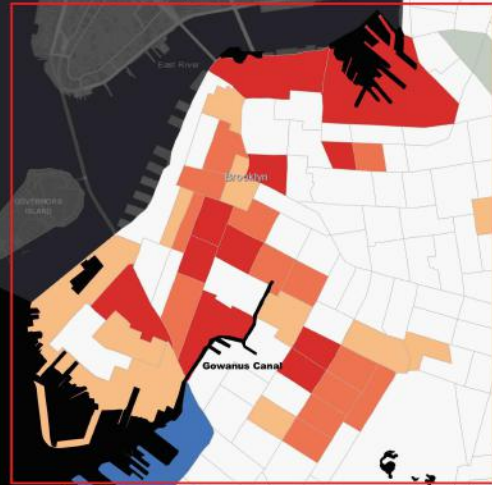


Map 6:
Proposed zones for new Indego Bike Stations
 based on median age of census and
 percentage of bikers compared to total commuters

- | | |
|------------------------------------|---|
| Proposed zones | Census tracts with
Percentage of bikers >3.4%
and median age within 15 to 40.
Range of colors represent median age |
| Existing Indego Stations | |
| 500m buffer from existing stations | |
| Sports facility: Tennis courts | 19.80 - 24.10 |
| Sports facility: Swimming pools | 24.11 - 30.90 |
| Picnic sites | 30.91 - 34.00 |
| Playgrounds | 34.01 - 36.50 |
| Bike network | 36.51 - 40.00 |
| Schools | |
| Universities and colleges | |
| Hydrographic Features | Neighborhood zones |



Census tracts within the
Gowanus Canal Superfund site



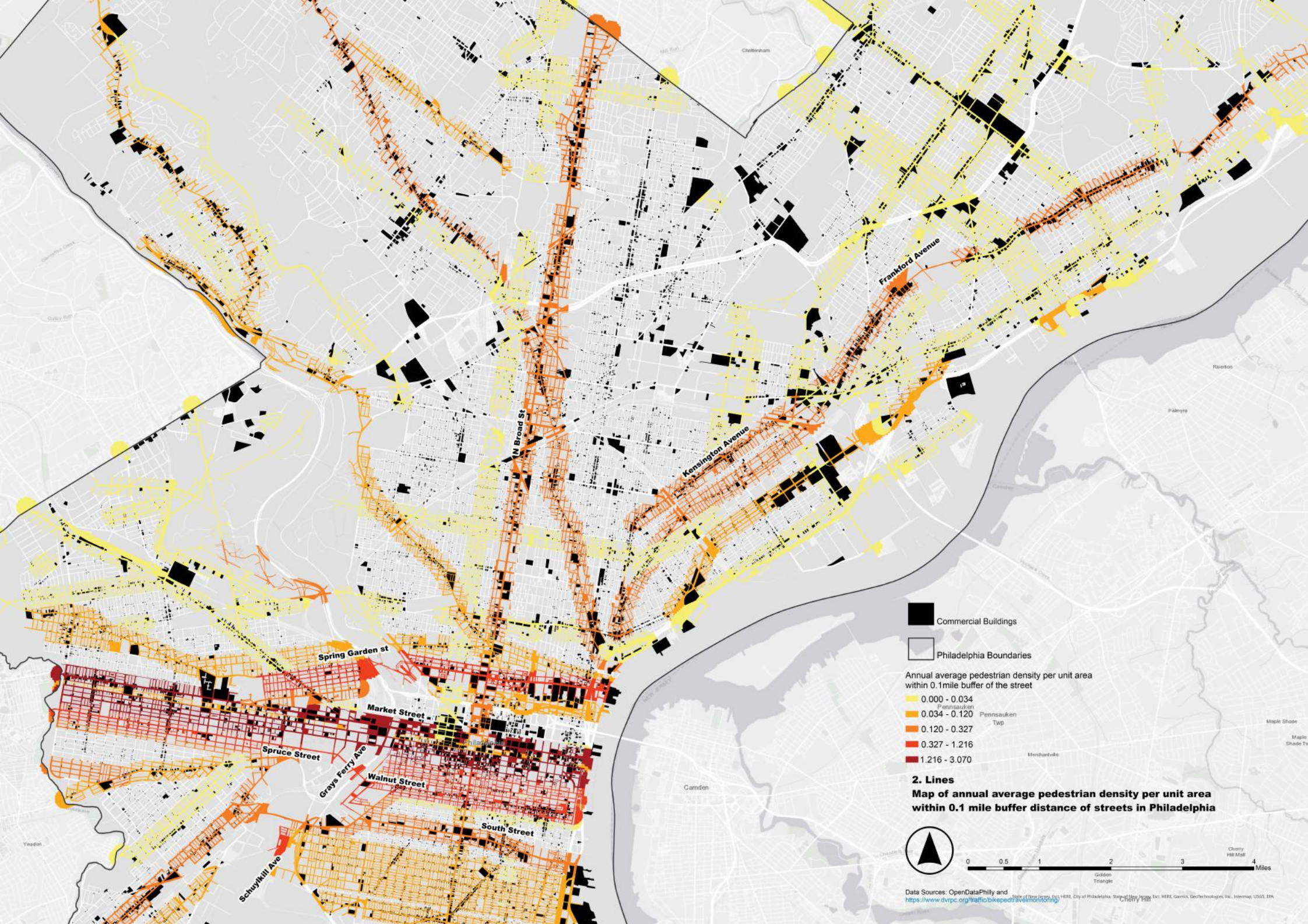
3. Polygons
Hotspot analysis map of median income change from 2000 to 2022
across Brooklyn Borough, New York.

Most hotspot census tracts are located along the Gowanus Canal
Superfund site

- Water bodies
- Cold Spot with 99% Confidence
- Cold Spot with 95% Confidence
- Cold Spot with 90% Confidence
- Not Significant
- Hot Spot with 90% Confidence
- Hot Spot with 95% Confidence
- Hot Spot with 99% Confidence



Data Sources: 2000 and 2022 American Community Survey Decennial Data



Commercial Buildings

Philadelphia Boundaries

Annual average pedestrian density per unit area within 0.1 mile buffer of the street

0.000 - 0.034

0.034 - 0.120

0.120 - 0.327

0.327 - 1.216

1.216 - 3.070

2. Lines

Map of annual average pedestrian density per unit area within 0.1 mile buffer distance of streets in Philadelphia



Data Sources: OpenDataPhilly and <https://www.dvrpc.org/traffic/bikepedtravelmonitoring/> State of New Jersey, HERE, City of Philadelphia, StreetView, HERE, Garmin, GeoTechnology, Inc., Intermap, USGS, EPA