Healthy and Safe Neighborhoods

Lindsey Bullen, Denine Cheesman
Diane Patterson, Abby Tesfaye
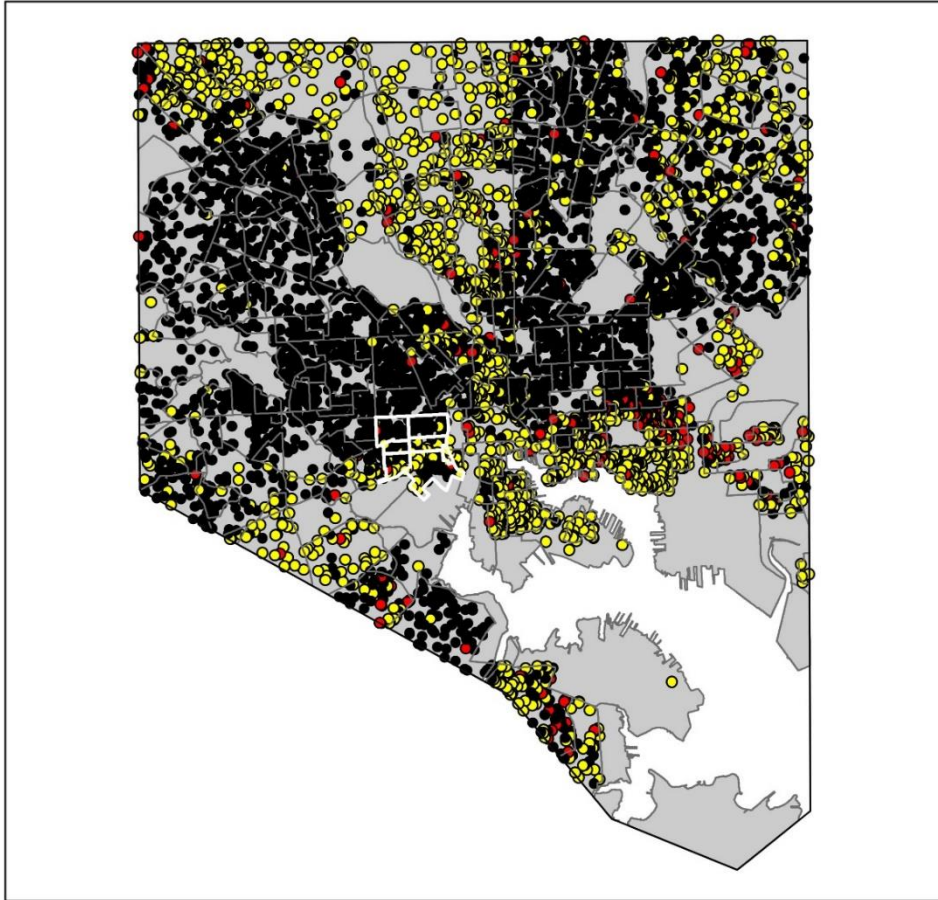
FRANKLIN SQUARE • POPPLETON • UNION SQUARE • HOLLINS MARKET • BARRE CIR • MOUNT CLARE • PIG TOWN

Variables
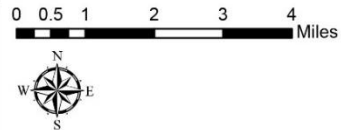
❖ Demographics - race, income, vacancies

❖ Crime - density, type, time of day

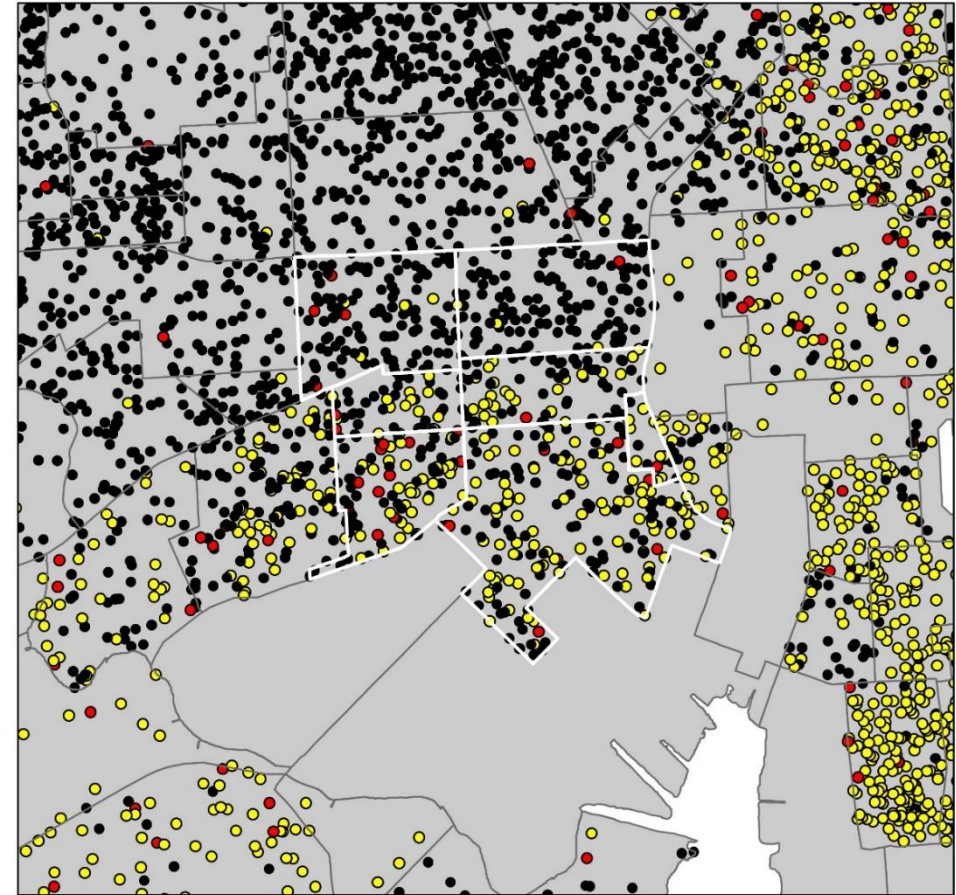❖ Street conditions – trash, lights, tree canopy

Baltimore Racial Demographics

Southwest Baltimore Racial Demographics

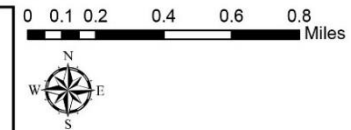**City Racial Demographics**

1 Dot = 119.513

- ● Hisp_Lat
- ● White
- ● Blk_AfAm

Source: 2010 Census Profile https://data.balt imorecity.gov/Neighborhoods/2010-Census-Neighborhoods-Shape/6jyd-xzp7
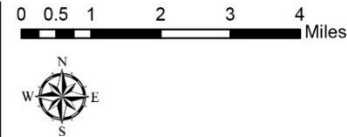
SWP Racial Demographics
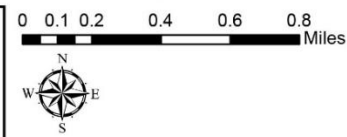
1 Dot = 24

- ● Hisp_Lat
- ● White
- ● Blk_AfAm
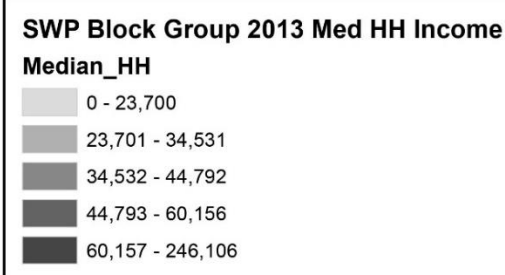
Source: 2010 Census Profile https://data.balt imorecity.gov/Neighborhoods/2010-Census-Neighborhoods-Shape/6jyd-xzp7
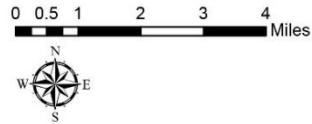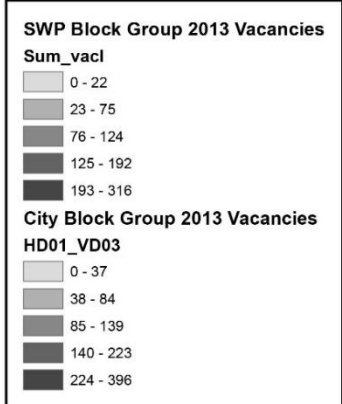
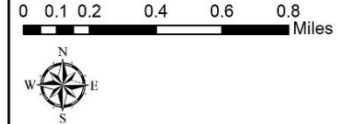Baltimore Median HH Income — Southwest Baltimore Median HH Income

City Block Group 2013 Med HH Income
Median_HH
- 0 - 23,700
- 23,701 - 34,531
- 34,532 - 44,792
- 44,793 - 60,156
- 60,157 - 246,106

Source: BG ACS 2013 5YR B19013

SWP Block Group 2013 Med HH Income
Median_HH
- 0 - 23,700
- 23,701 - 34,531
- 34,532 - 44,792
- 44,793 - 60,156
- 60,157 - 246,106

Source: BG ACS 2013 5YR B19013

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Baltimore Vacancies

Southwest Baltimore Vacancies

SWP Block Group 2013 Vacancies
Sum_vacl
- 0 - 22
- 23 - 75
- 76 - 124
- 125 - 192
- 193 - 316

City Block Group 2013 Vacancies
HD01_VD03
- 0 - 37
- 38 - 84
- 85 - 139
- 140 - 223
- 224 - 396

Source: BG ACS 2013 5YR B25002

SWP Block Group 2013 Vacancies
Sum_vacl
- 0 - 22
- 23 - 75
- 76 - 124
- 125 - 192
- 193 - 316

City Block Group 2013 Vacancies
HD01_VD03
- 0.000000 - 37.000000
- 37.000001 - 84.000000
- 84.000001 - 139.000000
- 139.000001 - 223.000000
- 223.000001 - 396.000000

Source: BG ACS 2013 5YR B25002

Baltimore Crime in 2014 per Census Block Group
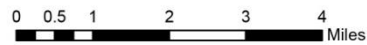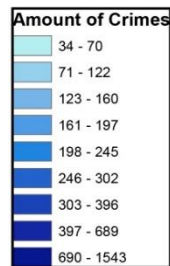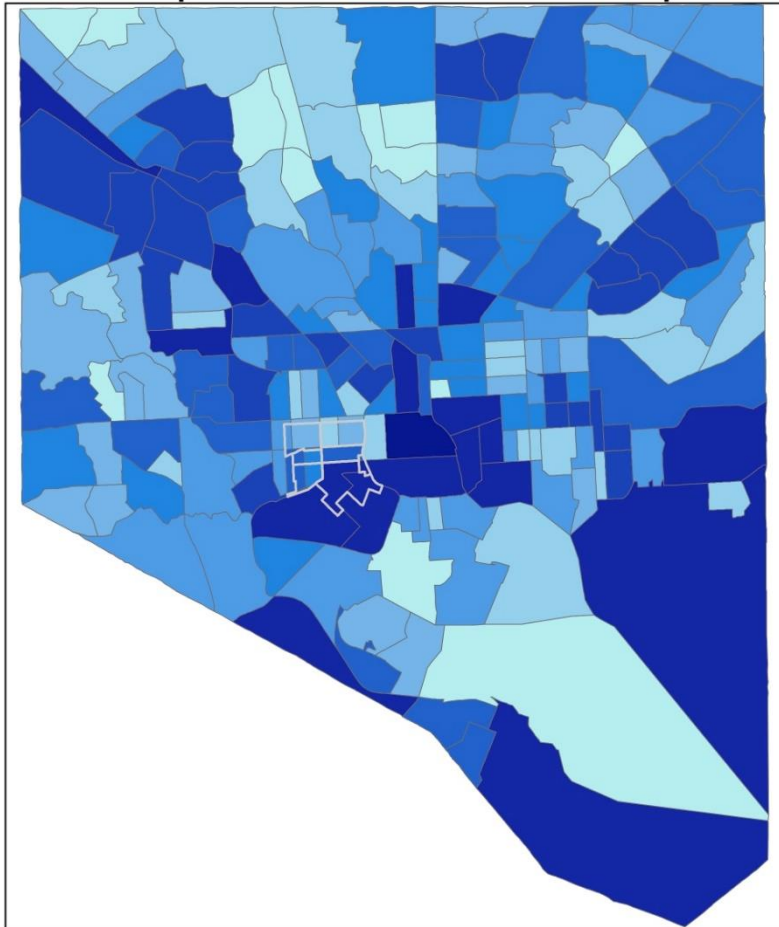
Southwest Baltimore Crime in 2014 per Census Block Group
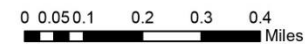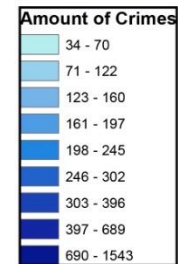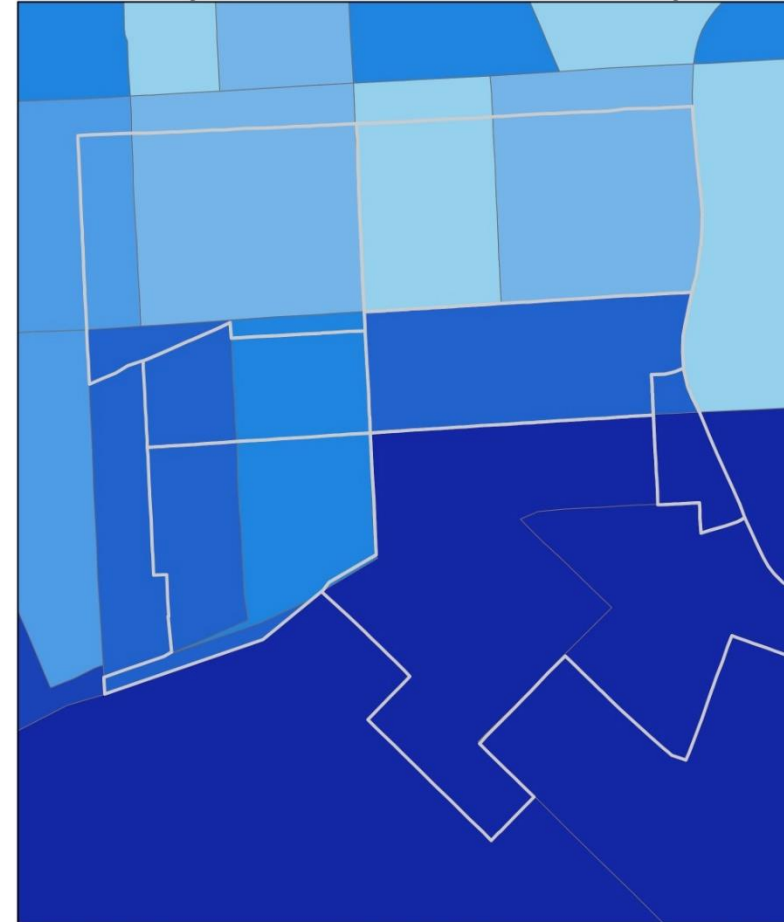
Amount of Crimes
- 34 - 70
- 71 - 122
- 123 - 160
- 161 - 197
- 198 - 245
- 246 - 302
- 303 - 396
- 397 - 689
- 690 - 1543

Source: https://data.baltimorecity.gov/d/wsfq-mvij?category=Public-Safety&view_name=BPD-Part-1-Victim-Based

Density of Crime in Southwest Baltimore- 2014

*Data excludes shootings and homicides

Volume of Crimes: Low to High

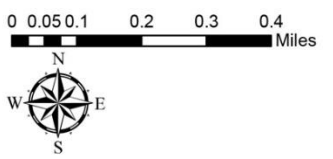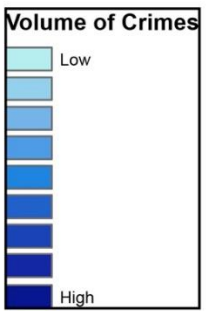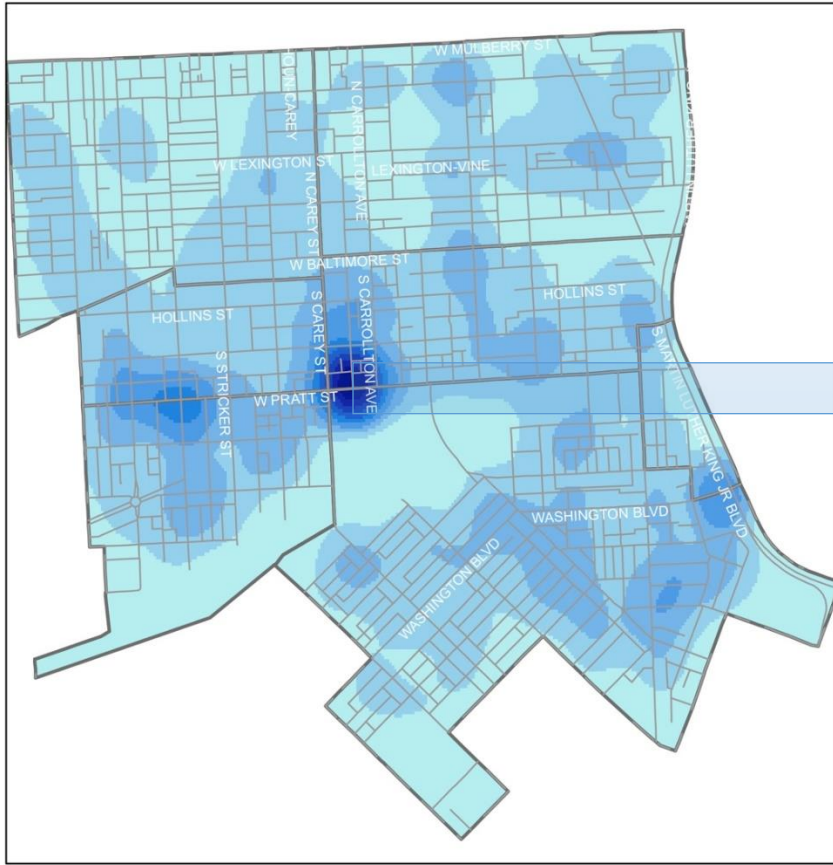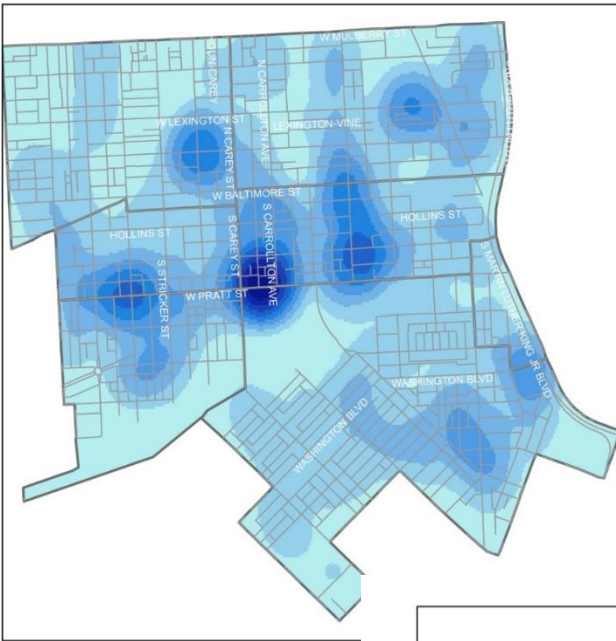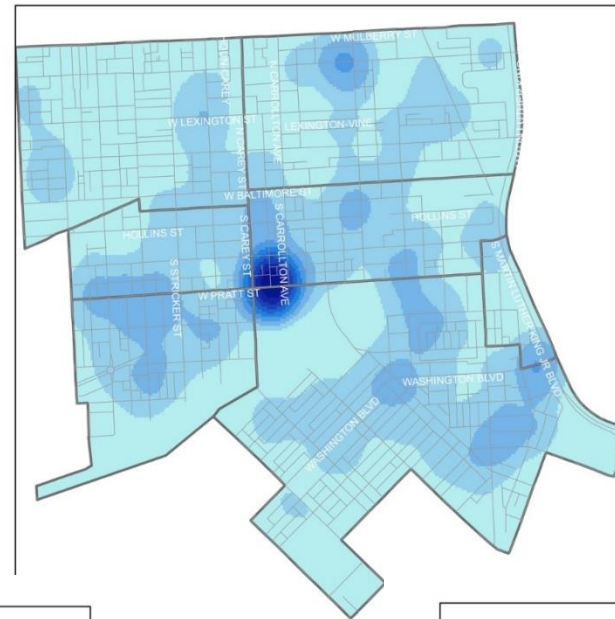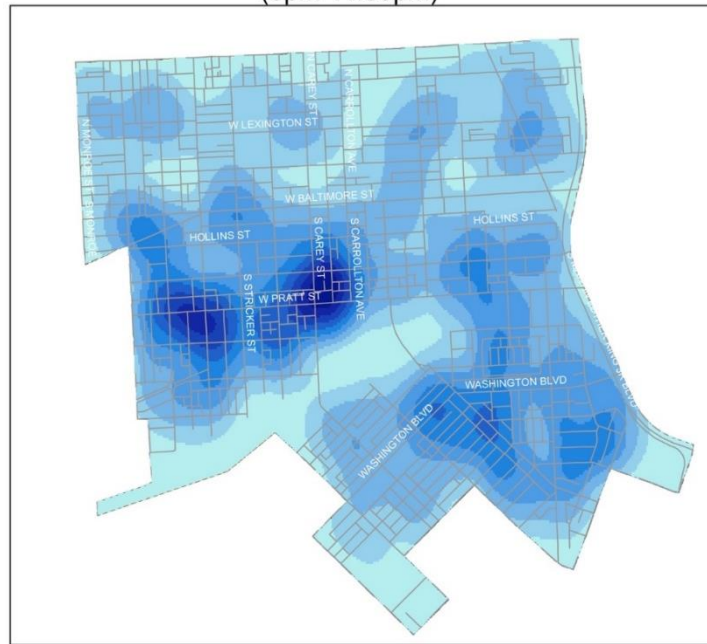Source: https://data.baltimorecity.gov/d/wsfq-mvij?category=Public-Safety&view_name=BPD-Part-1-Victim-Based
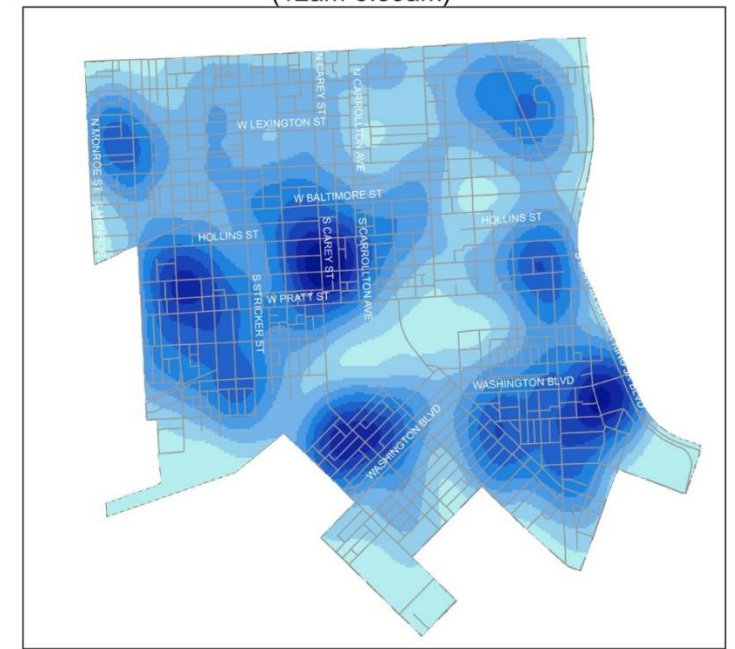
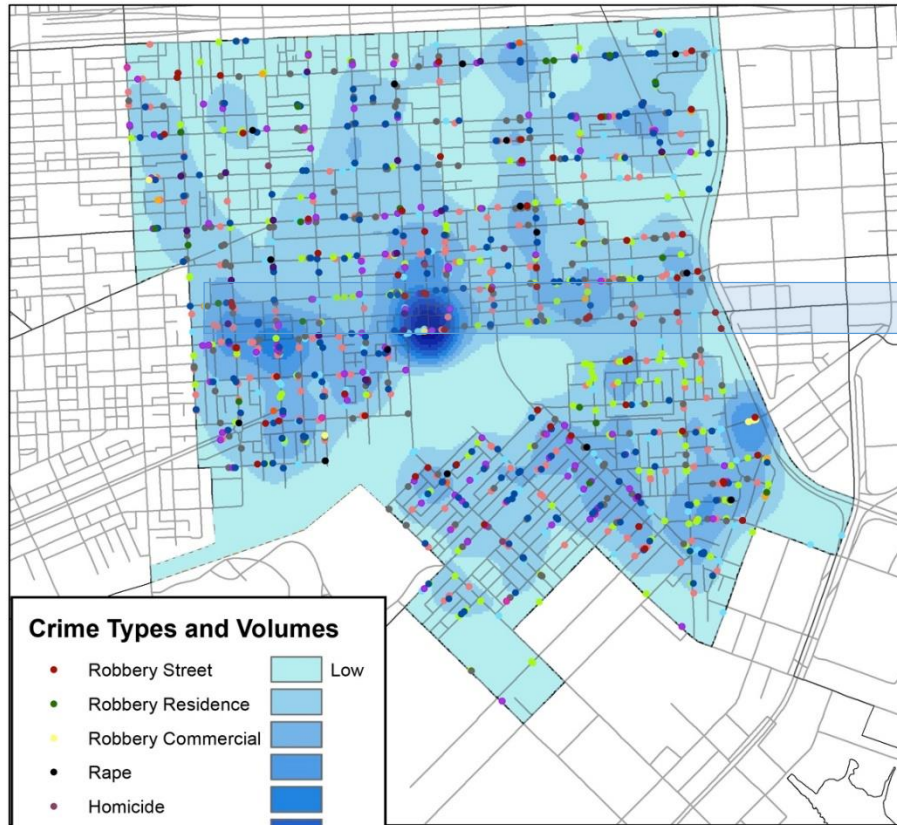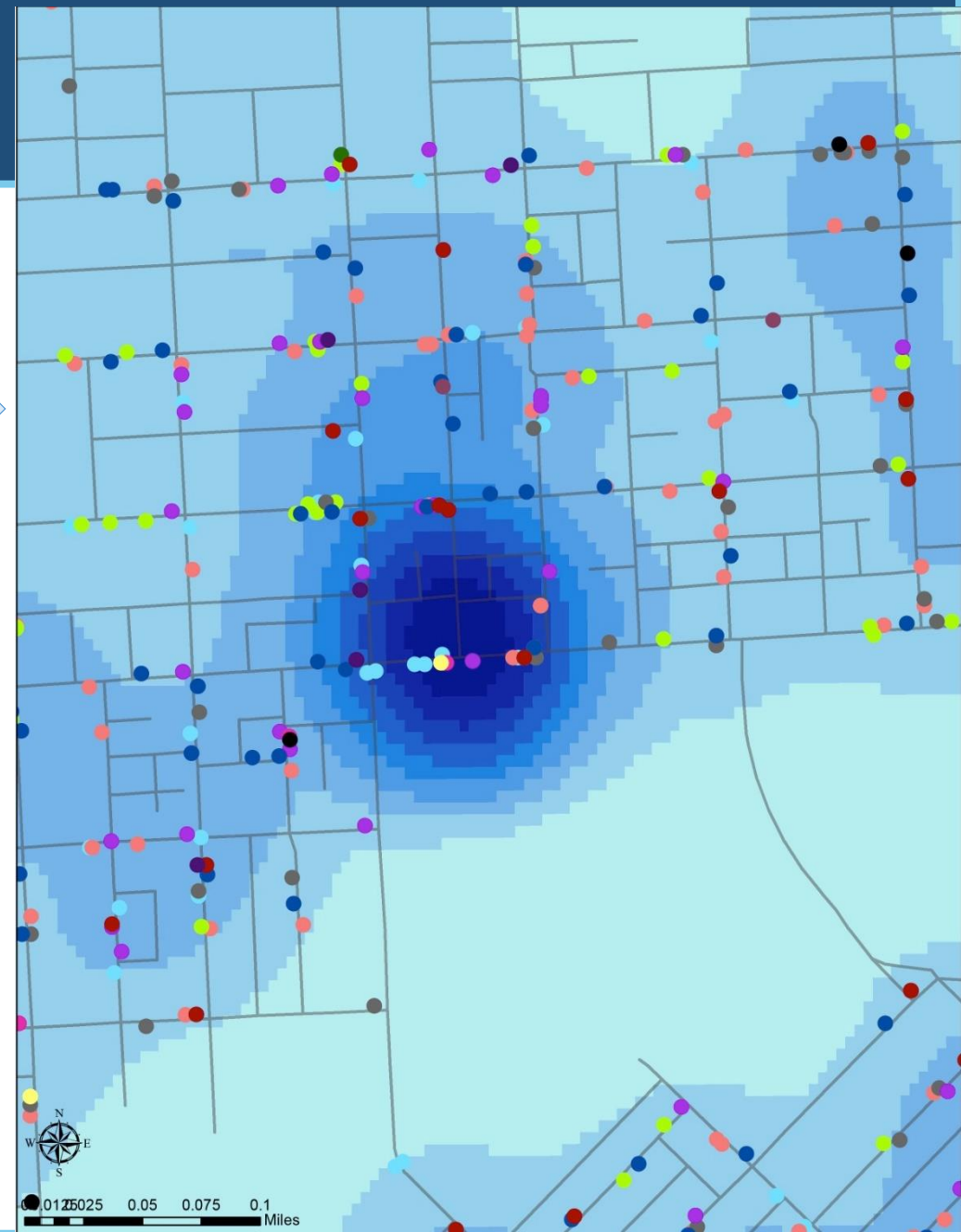(6:00am to 11:59am)

(12:00pm to 5:59pm)

(6pm-11:59pm)

(12am-5:59am)

Crime Types Overlayed with Density of Crime in Southwest Baltimore-2014

Crime Types and Volumes

- Robbery Street
- Robbery Residence
- Robbery Commercial
- Rape
- Homicide
- Common Assault
- Carjacking
- Assault by Threat
- Aggravated Assault
- Auto Theft
- Larceny from Auto
- Arson
- Burglary
- Larceny

Low — High

Open Baltimore
https://data.baltimorecity.gov/browse?q=crime&sortBy=relevance&utf8=%E2%9C%93
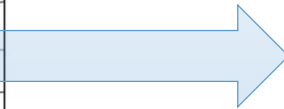
Southwest Baltimore 311 Street Condition Service Requests
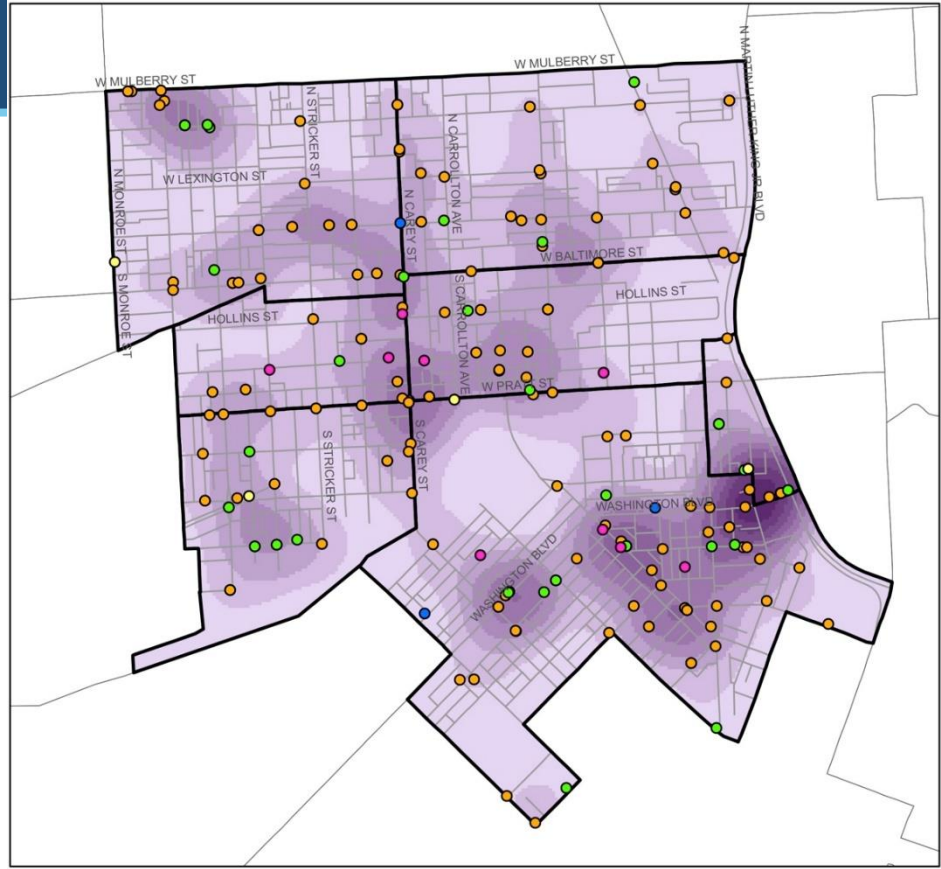
SW Baltimore Boundary

Baltimore Block Groups

# of Service Requests per Block Group
- 0 - 3
- 4 - 8
- 9 - 16
- 17 - 29
- 30 - 56
- 57 - 127
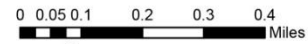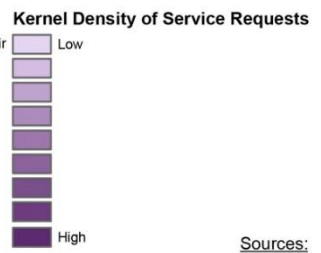
0 0.5 1   2   3   4
Miles
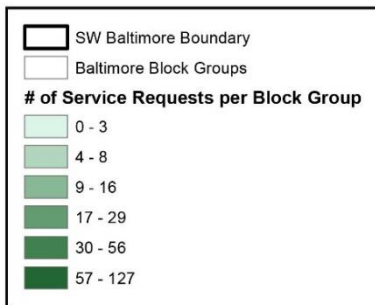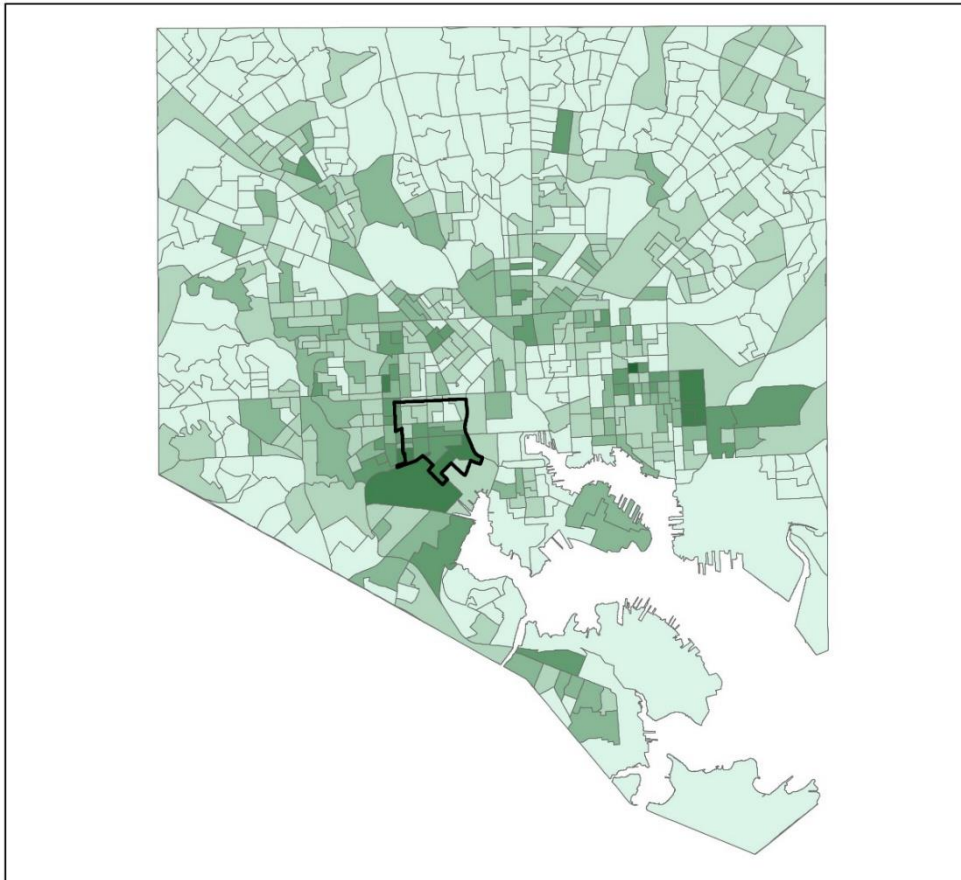
Source: "HCD-Illegal Dumping" Data.Gov City of Baltimore 311 Service Requests, last updated April 09 2015.

● Illegal Dumping Request in SW Baltimore

SW Baltimore Neigborhoods

―― Streets

# of Service Requests per Block Group
- 0 - 3
- 4 - 8
- 9 - 16
- 17 - 29
- 30 - 56
- 57 - 127

0 0.05 0.1   0.2   0.3   0.4
Miles
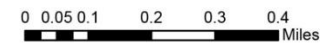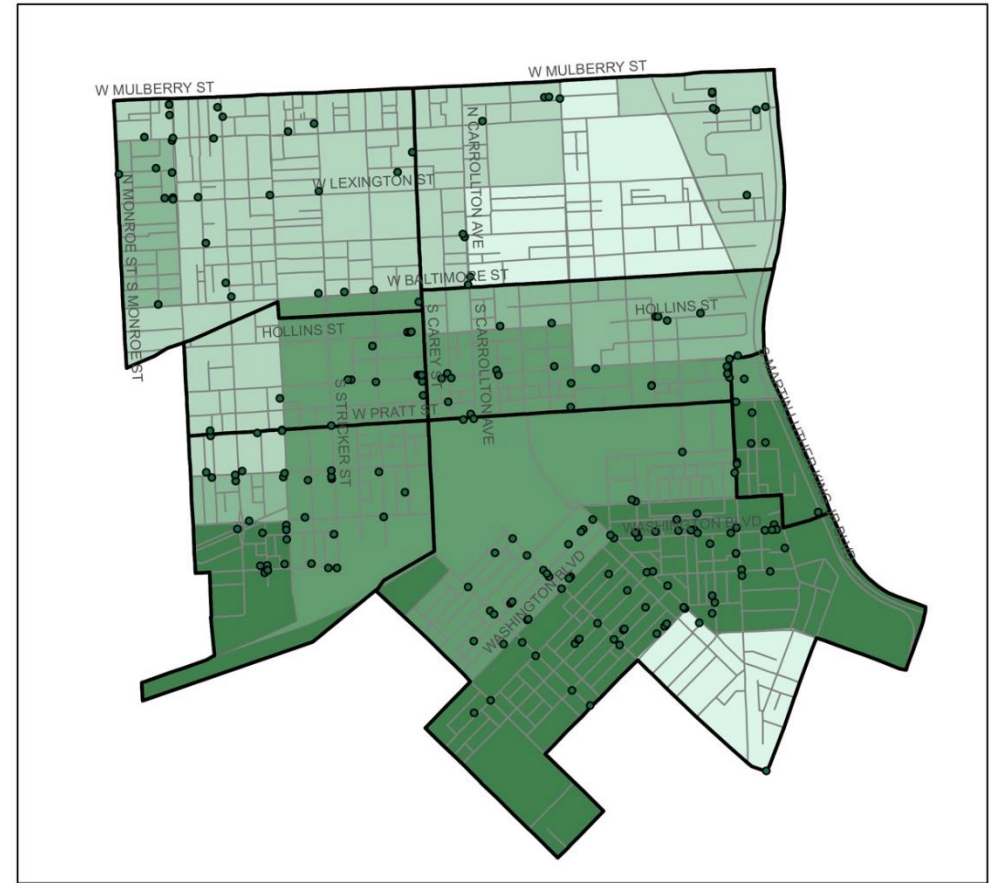
Sources: Illegal Dumping Sites: Data.Gov City of Baltimore 311 Service Requests, last updated April 09 2015.

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Baltimore 311 Street Light Out Service Requests

Southwest Baltimore 311 Street Light Out Service Requests
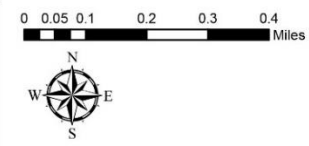
Baltimore Neighborhoods
SWP Boundary
Kernel Density of Service Requests
Low
High

0 0.5 1   2   3   4 Miles

Street Light Out Requests in SW Baltimore
SWP Boundary
Streets
Baltimore Neighborhoods
City Kernel Density of Service Requests
Low
High

0 0.05 0.1   0.2   0.3   0.4 Miles
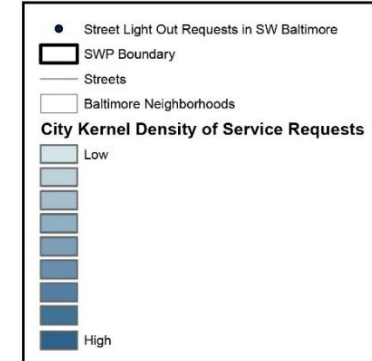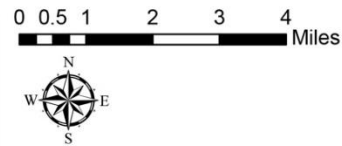
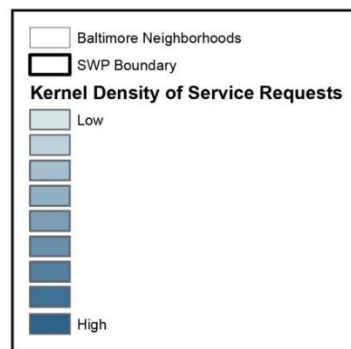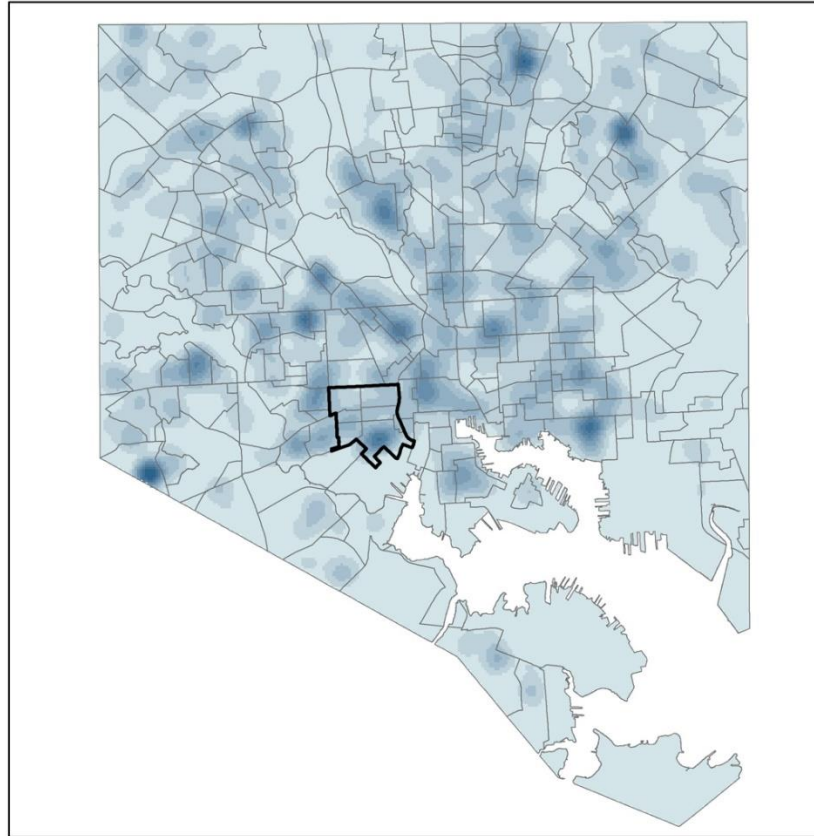Source: "BGE-StLights Out" Data.Gov City of Baltimore 311 Service Requests, last updated April 09 2015.

Source: "BGE-StLights Out" Data.Gov City of Baltimore 311 Service Requests, last updated April 09 2015.

Conclusions, Recommendations, Next Steps

There are areas of prosperity where Baltimore can focus investment

There are areas of distress where Baltimore can focus intervention

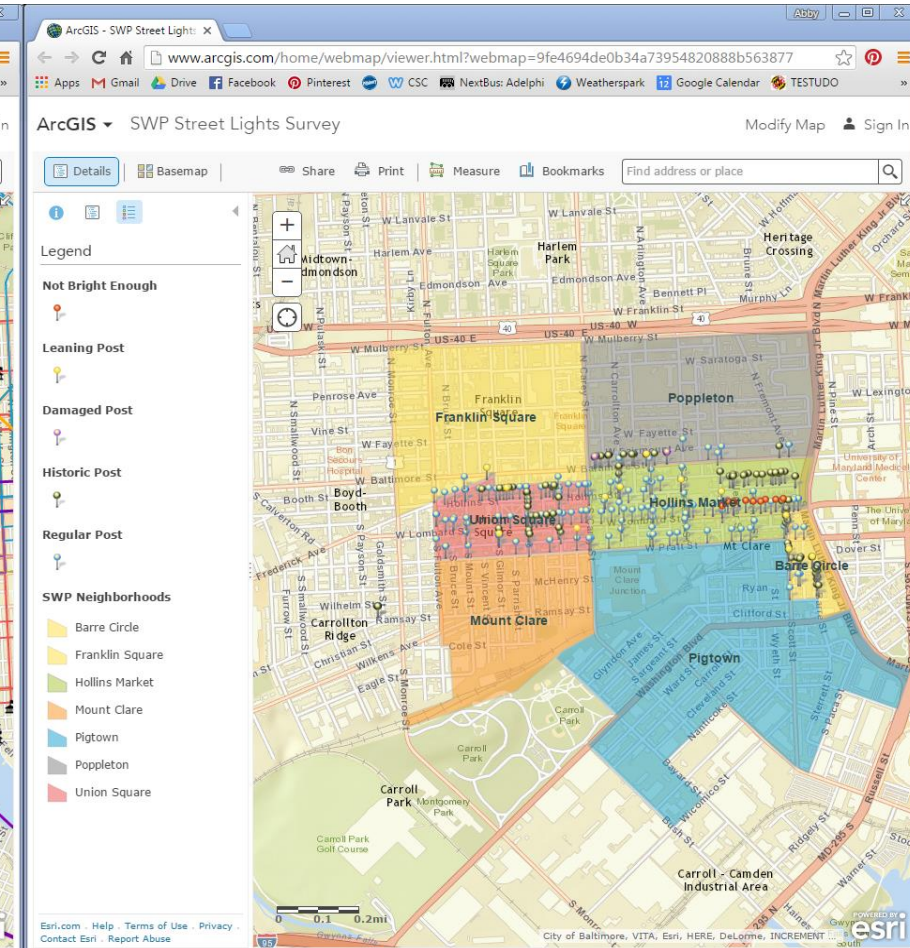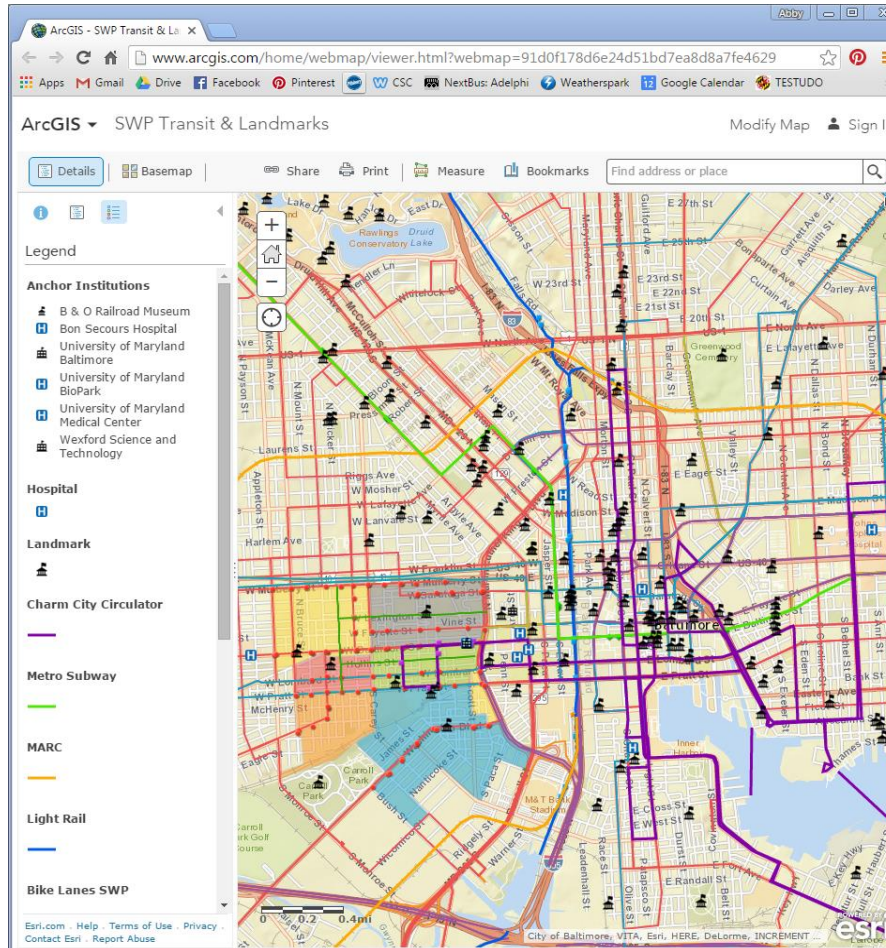SWP should use GIS to identify where to send resources

Baltimore should promote connectivity

Map geographic boundaries that limit connectivity and isolate Southwest Baltimore

Use crowdsourcing and online mapping to update street conditions

Online Mapping Examples....

http://www.arcgis.com/home/webmap/viewer.html?webmap=91d0f178d6e24d51bd7ea8d8a7fe4629   http://www.arcgis.com/home/webmap/viewer.html?webmap=9fe4694de0b34a73954820888b563877

http://www.arcgis.com/home/webmap/viewer.html?webmap=2983a92918e24f758d78c43f4be9b755&extent=-76.6567,39.2765,-76.6143,39.2965