

Job Accessibility in Southwest Baltimore

URSP 688L – Planning Technology, Fall 2015

Presented by Derek Lombardi

with acknowledgements to...
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Project Objectives

- Develop an understanding of the employment challenges and opportunities facing the residents of the Southwest Partnership area...
 - Mobility
 - Wage/Experience 'Fit'
- Convey these findings visually via maps and figures

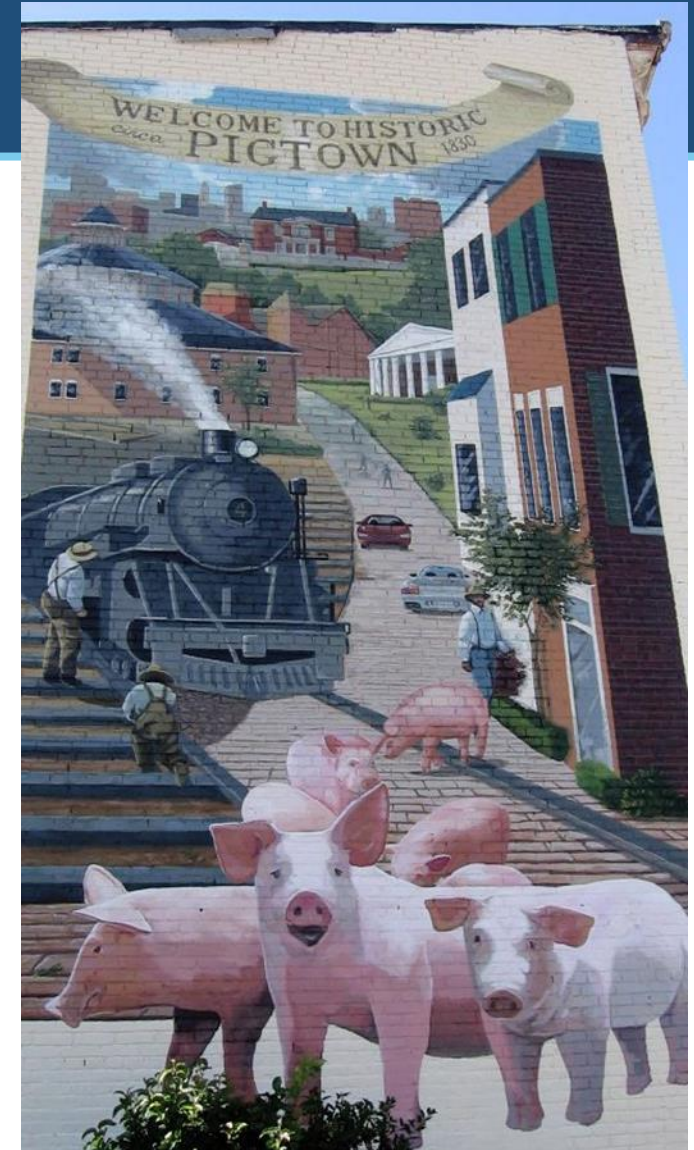


Photo Credit: www.findmuralist.com



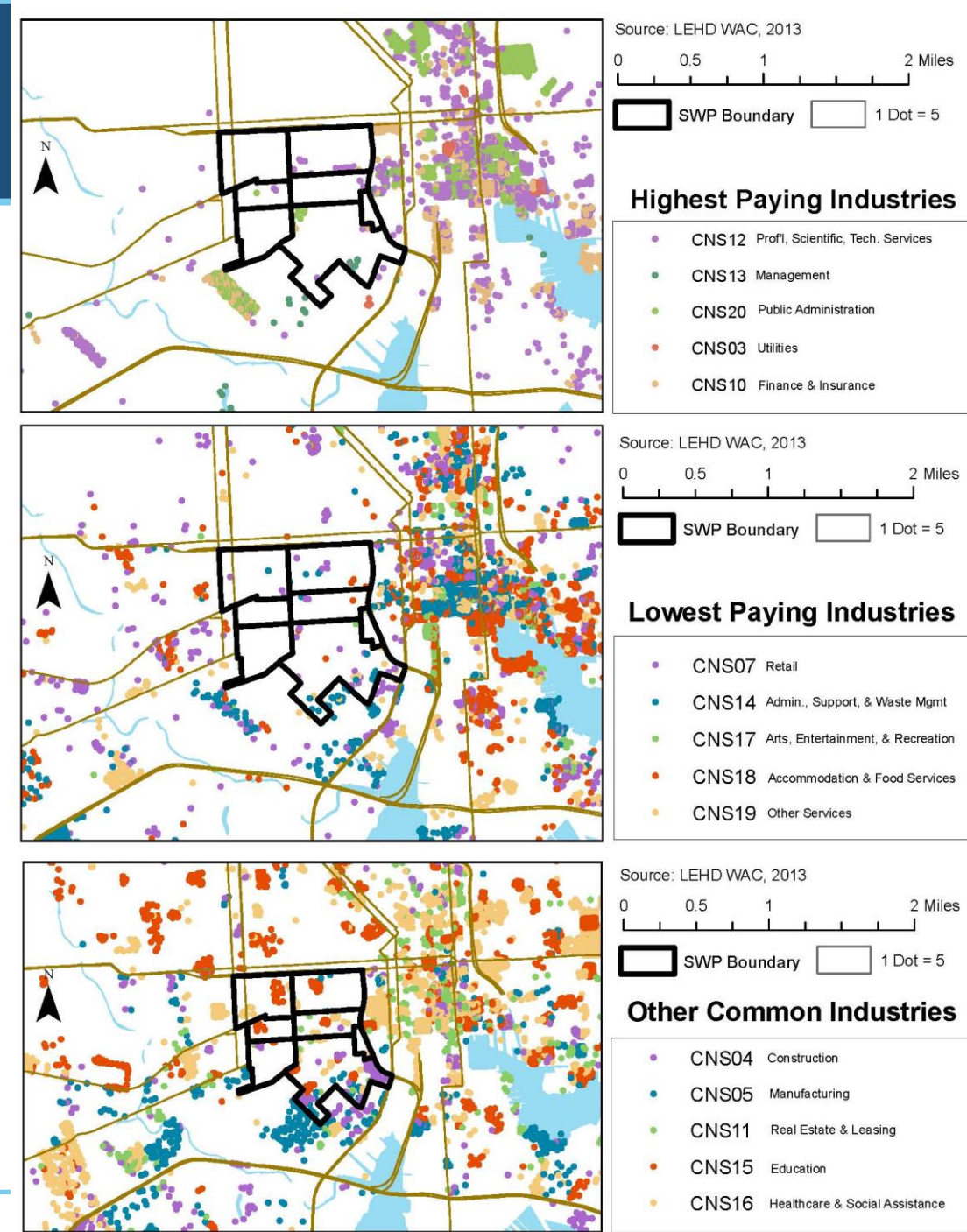
Research Questions

- *Where are the jobs, and what types of jobs are they?*
 - by sector, education level, wage level
- *What kinds of jobs do SWP residents currently hold?*
 - Do they offer competitive wages?
- *What transportation options are available to SWP residents?*
 - Roads, transit, etc.
 - What transportation options do they use to get to work?
 - How long does it take them to get there?
- *What job opportunities are available to households without cars?*



Where are the Jobs? by Industry

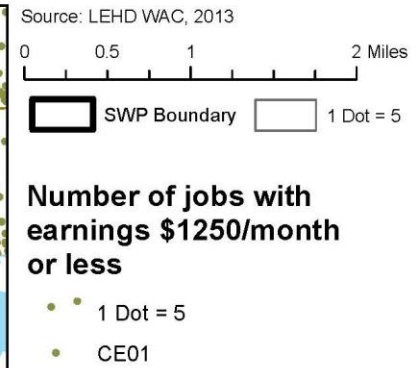
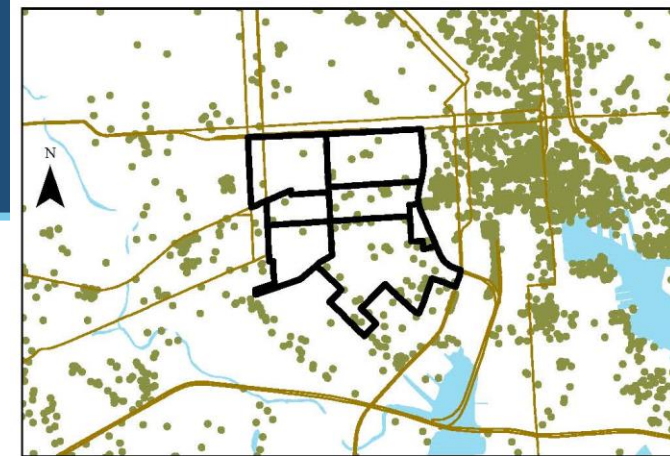
- Higher concentration of high and low paying industries in areas *adjacent* to Southwest than *within* it
- Dense clusters *in* SWP match known job centers (educational, healthcare, retail, manufacturing institutions and facilities)



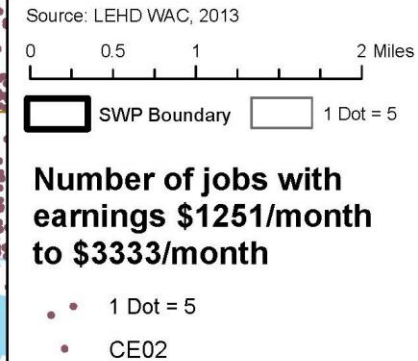
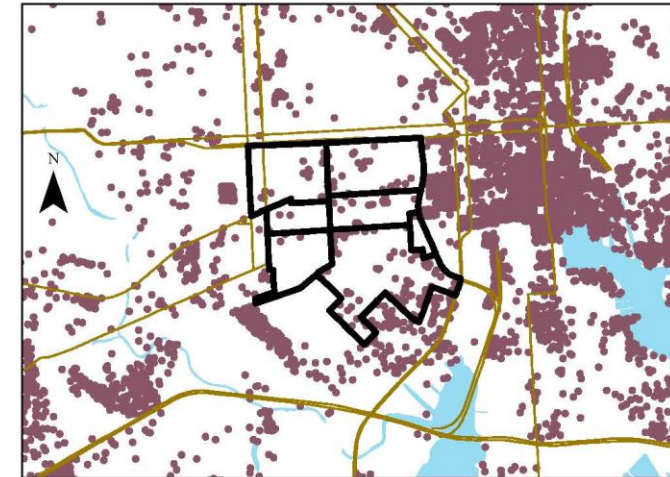


Where are the Jobs? by Wage Level

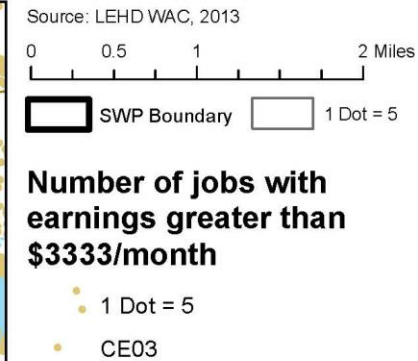
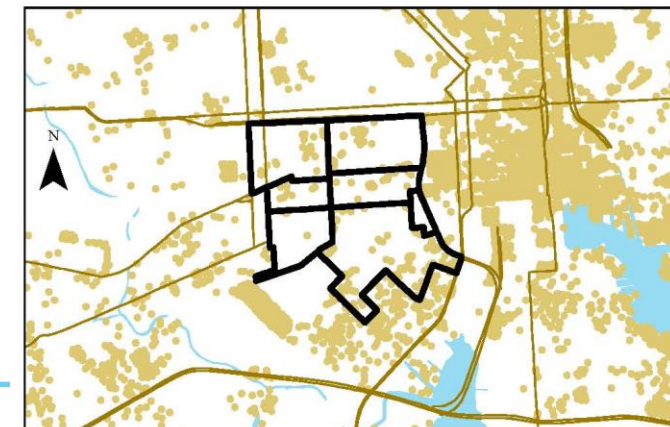
Low-wage →



Mid-wage →



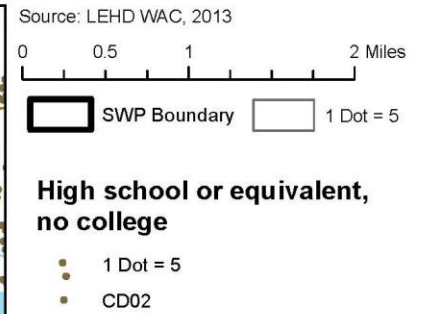
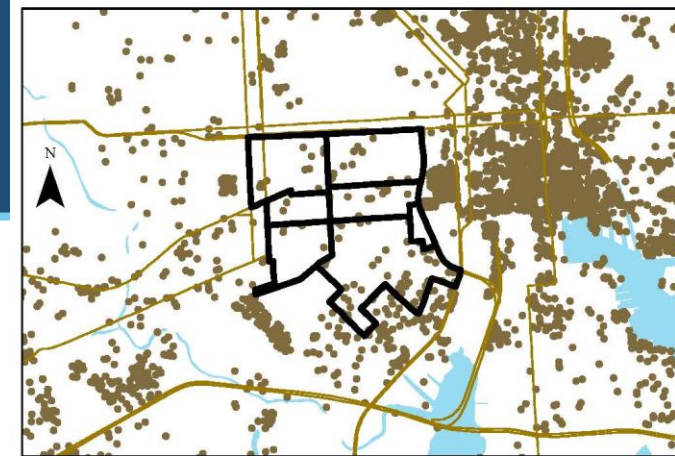
High-wage →



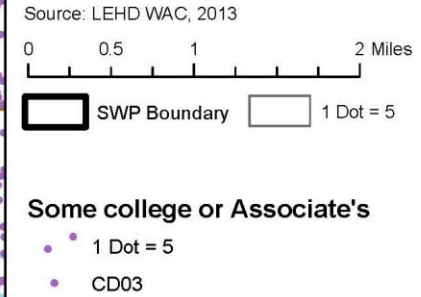
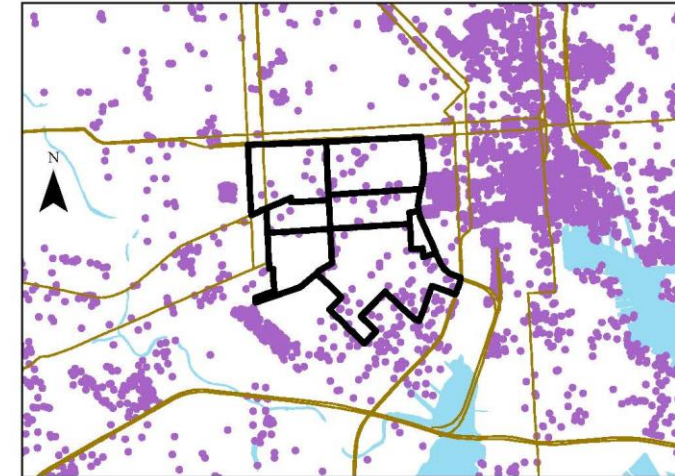


Where are the Jobs? by Skill Level

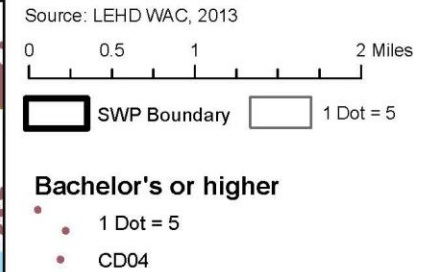
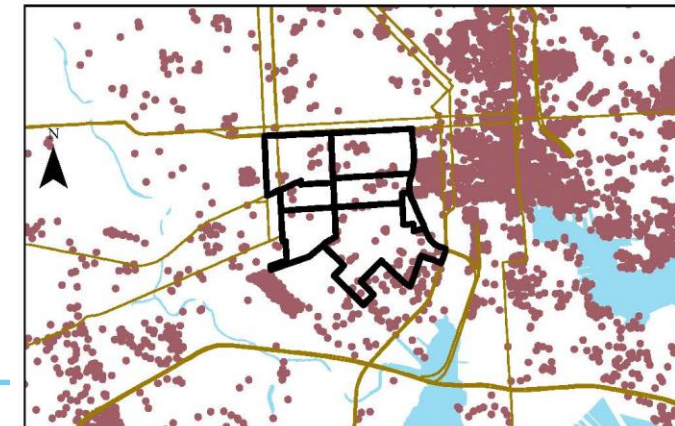
Low-skill →



Mid-skill →

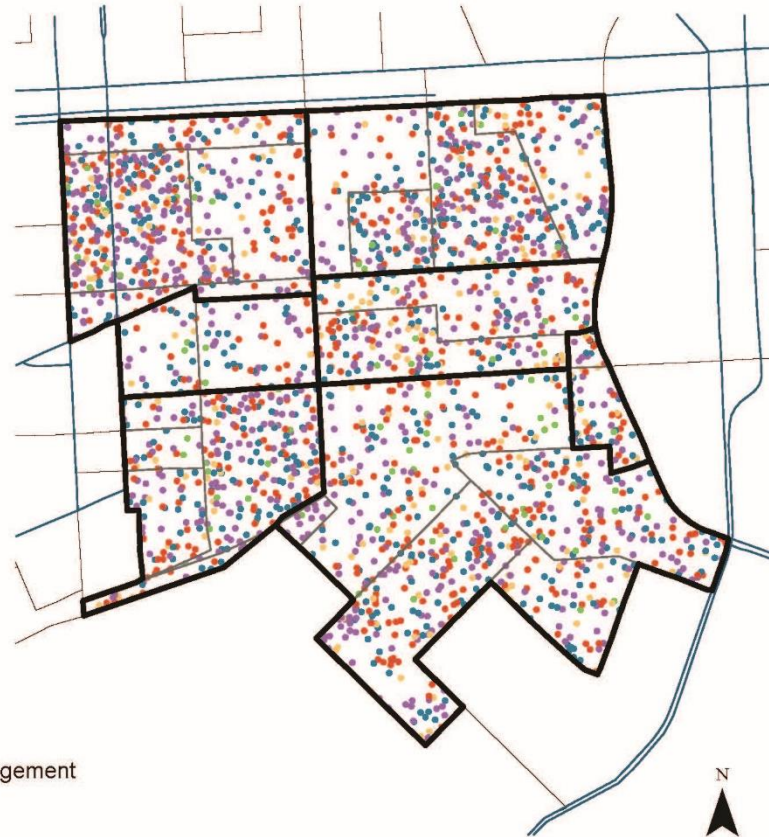


High-skill →



Where do residents work?

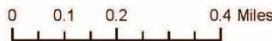
Lowest Paying Industries



Lowest Paying Industries

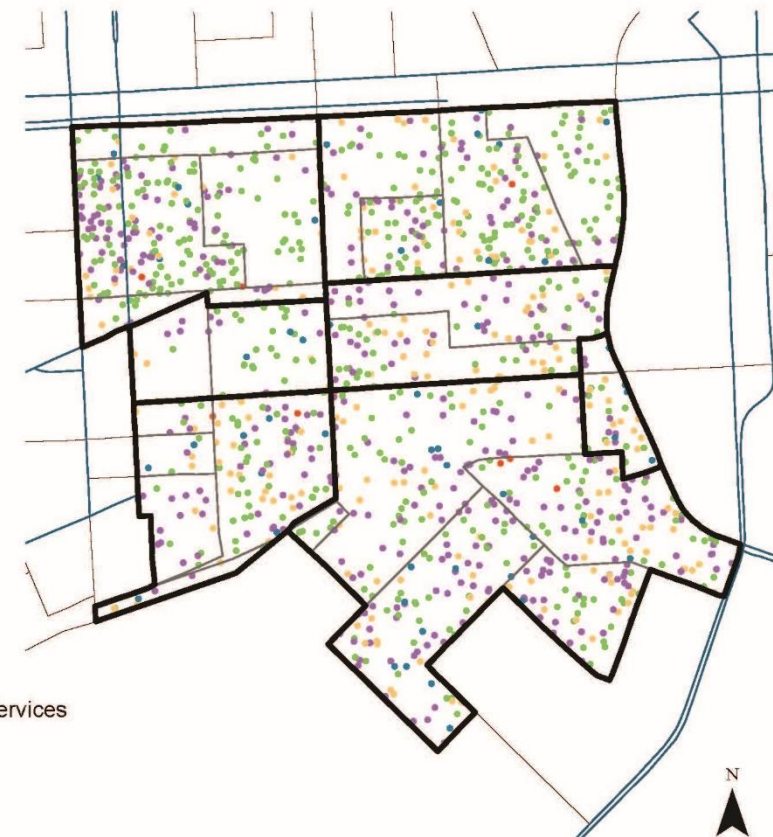
1 Dot = 1 Employed Resident

- Retail
- Administrative, Support, & Waste Management
- Arts, Entertainment, & Recreation
- Accommodation & Food Services
- Other Services



Sources: LEHD RAC, 2013;
Map by: Derek Lombardi

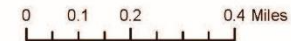
Highest Paying Industries



Highest Paying Industries

1 Dot = 1 Employed Resident

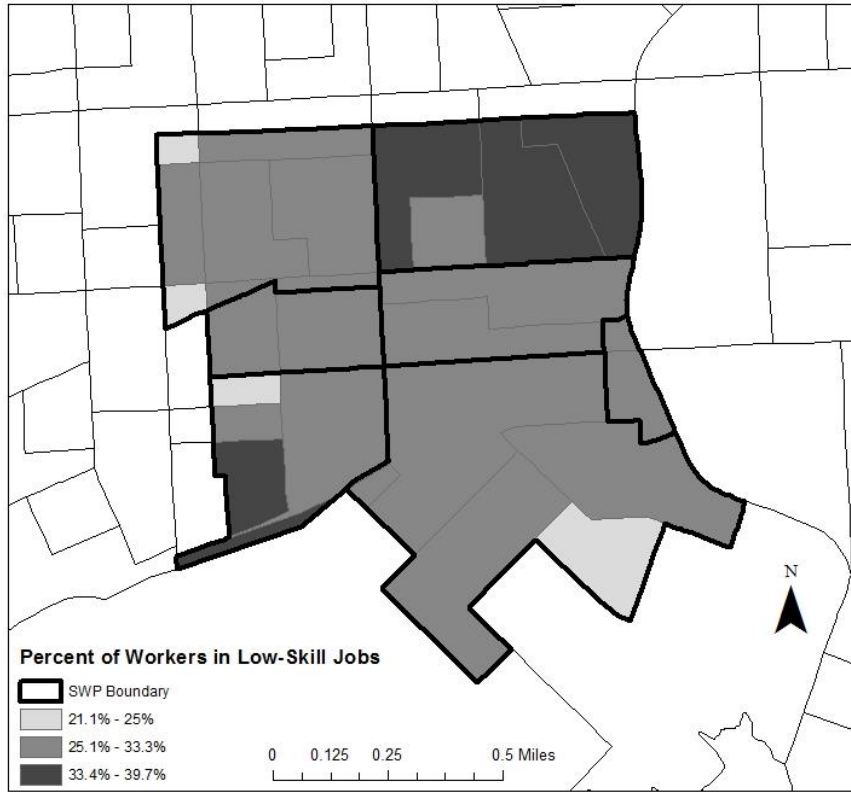
- Professional, Scientific, & Technical Services
- Management
- Public Administration
- Utilities
- Finance & Insurance



Sources: LEHD RAC, 2013;
Map by: Derek Lombardi

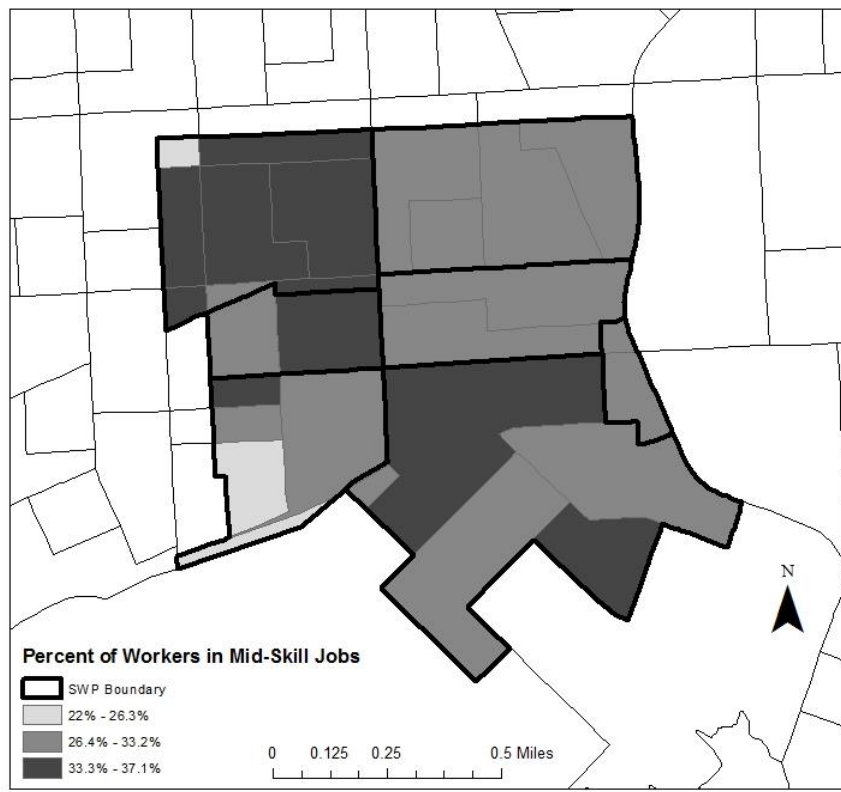
Jobs in the industries with lower median salaries are more common for SWP residents

What skills do their jobs require?



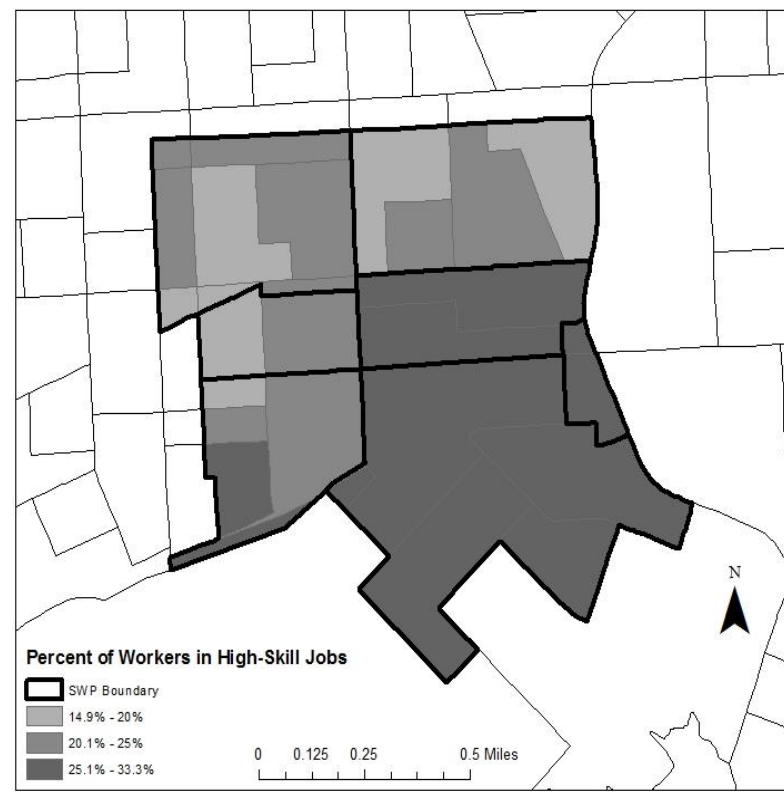
Source: LEHD RAC, 2013

Low-skill workers are most well-represented in...
 Poppleton and Mount Clare



Source: LEHD RAC, 2013

Mid-skill positions are most well-represented in... Franklin Sq, Union Sq, Pigtown



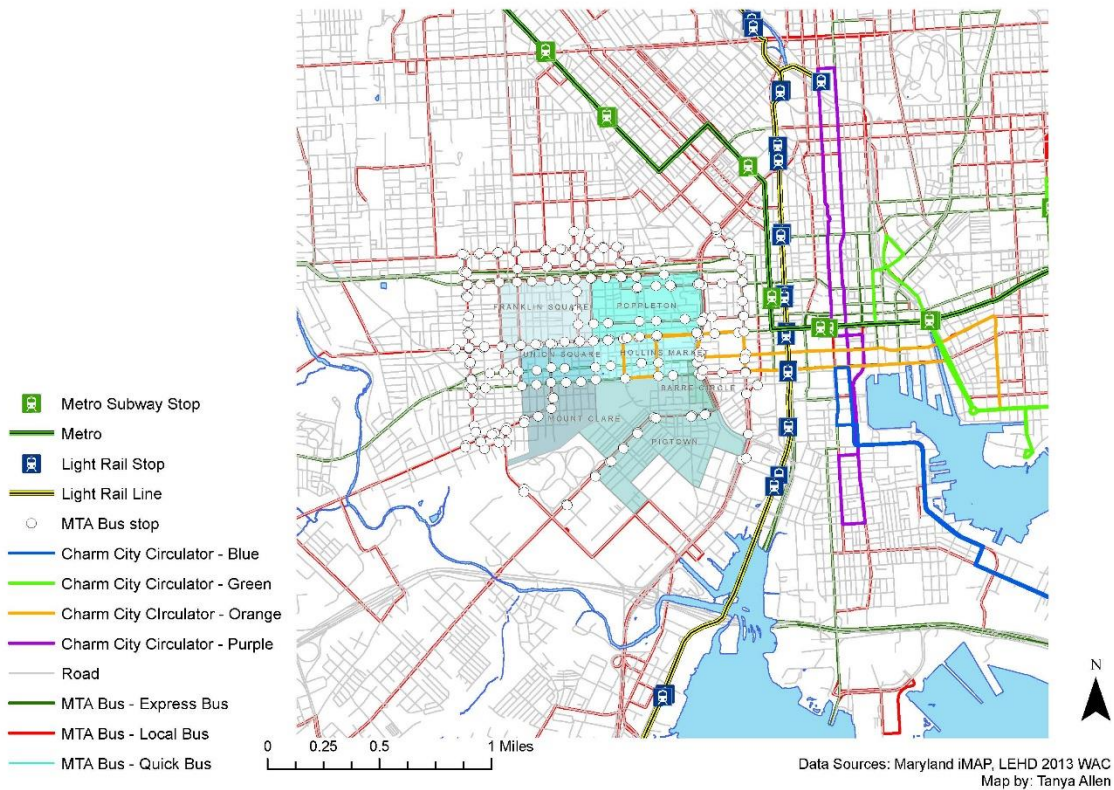
Source: LEHD RAC, 2013

High-skill workers are most well-represented in... Barre Cir, Pigtown, Hollins, Mt. Clare

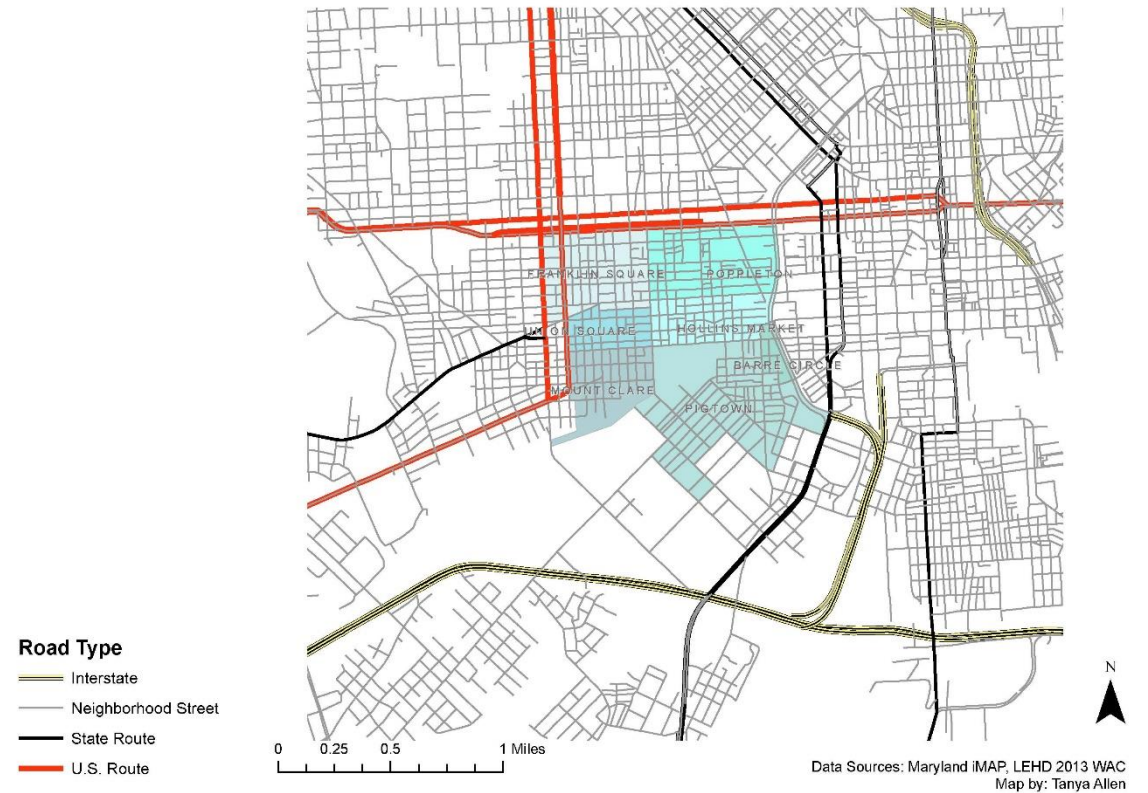


How does transportation play a role?

Transit Network - Southwest Baltimore



Road Network - Southwest Baltimore

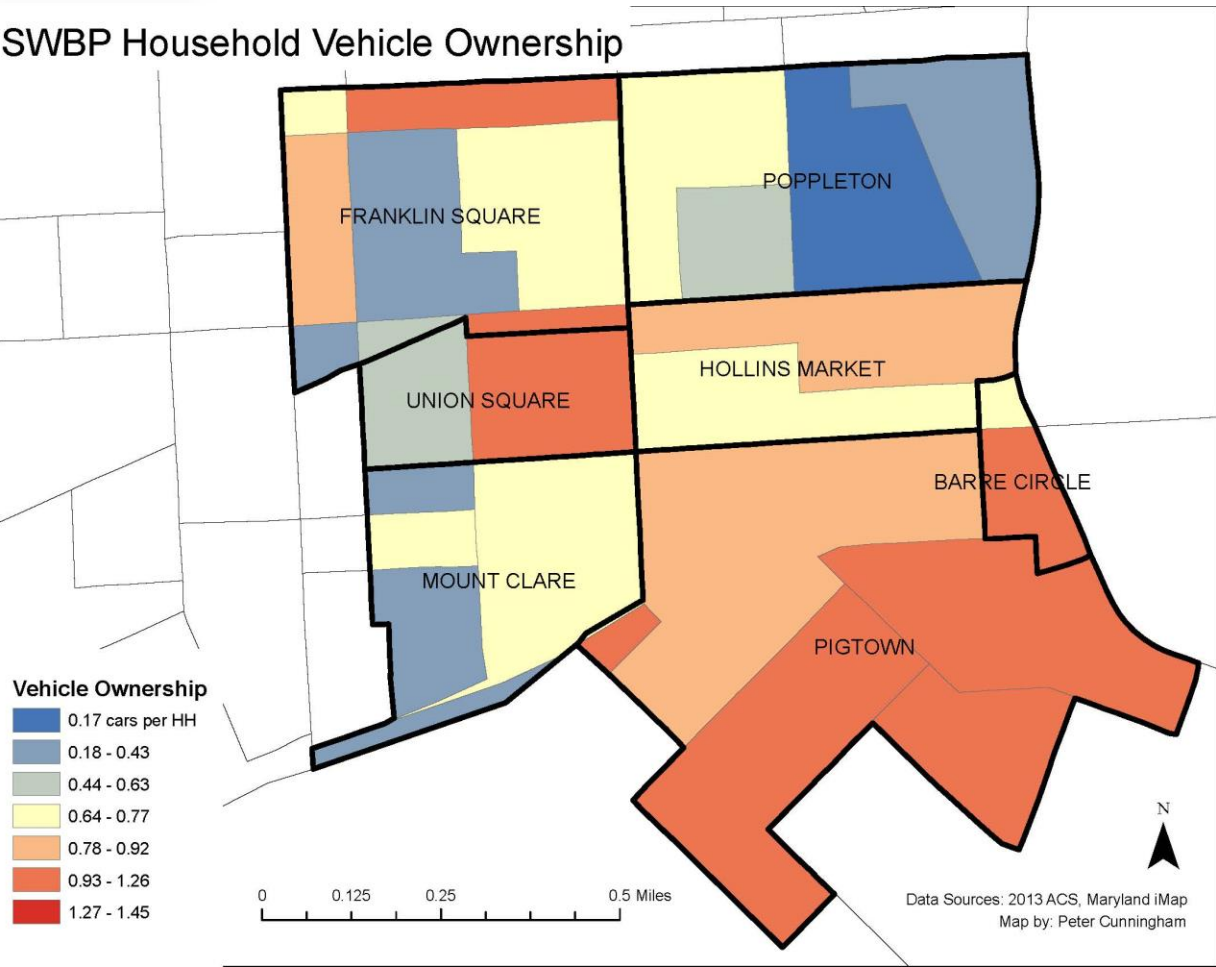


- **Strengths:** dense / walkable street grid; access to major arteries; ¼ mile MTA Transit stop access; connections to Downtown and light rail/Metro service
- **Weaknesses:** southern area has street network gaps, impassable areas, limited north-south travel options; infrequent and unreliable bus service

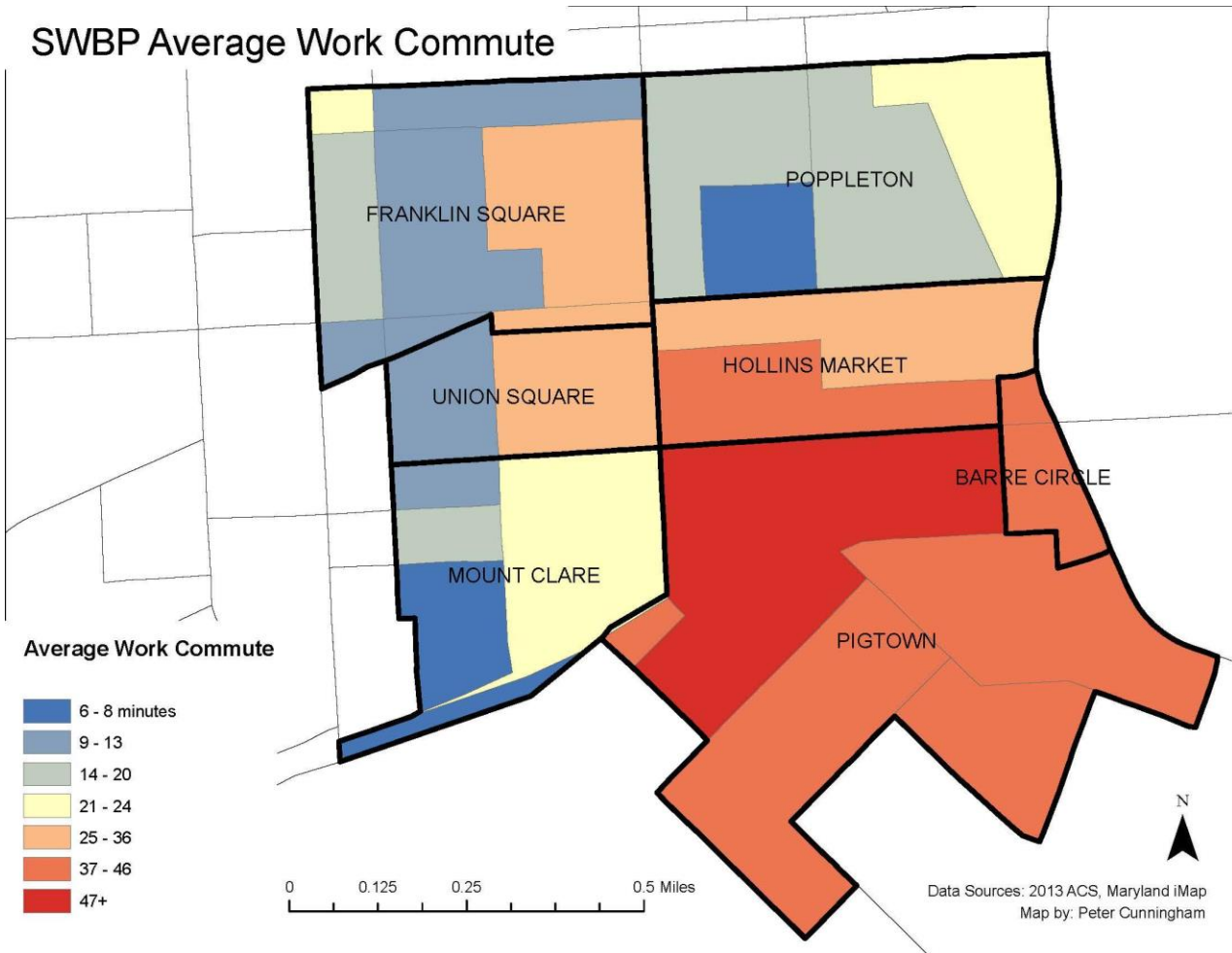


Vehicle owners may be driving far to work

SWBP Household Vehicle Ownership

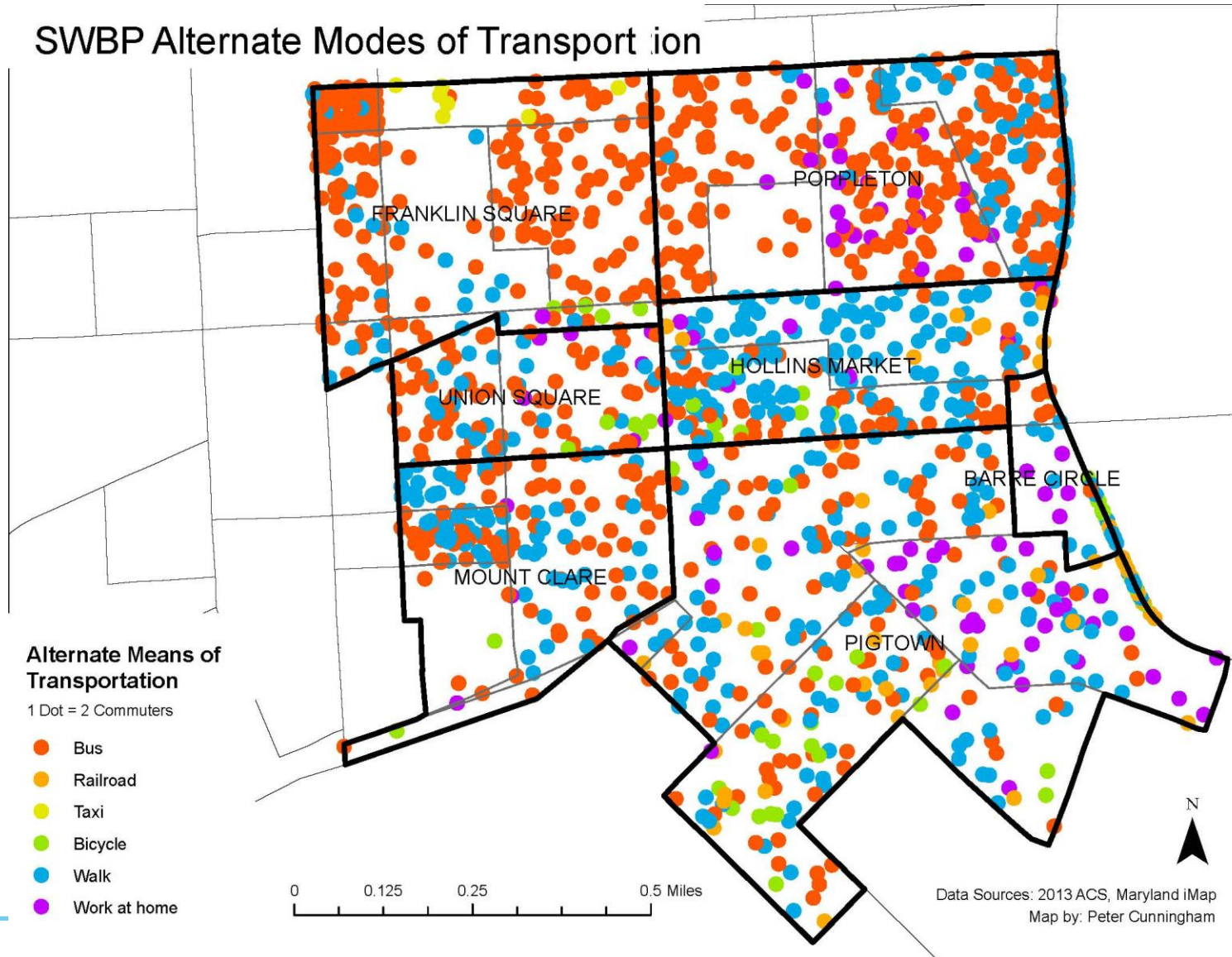


SWBP Average Work Commute



How do non-auto commuters travel?

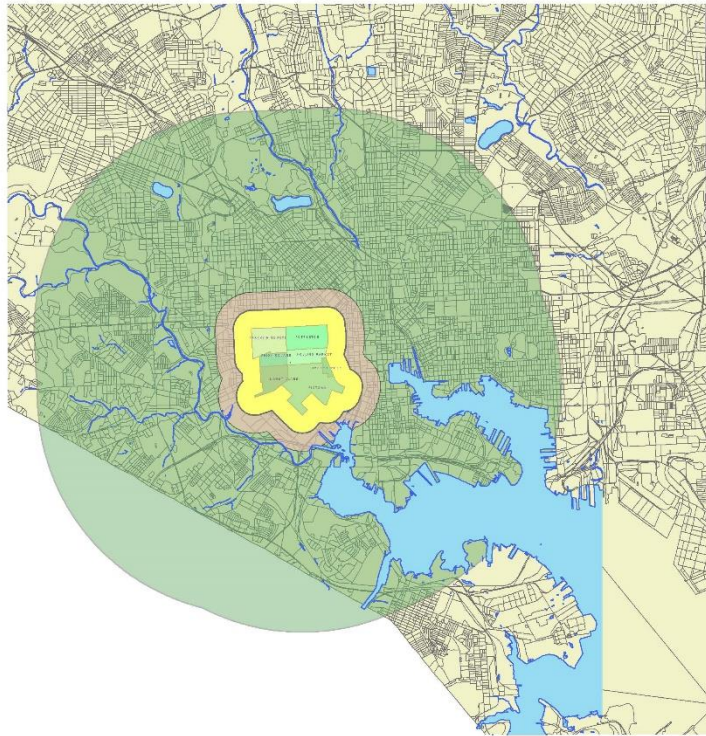
SWBP Alternate Modes of Transportation



- 44.5 % of households do not have a car

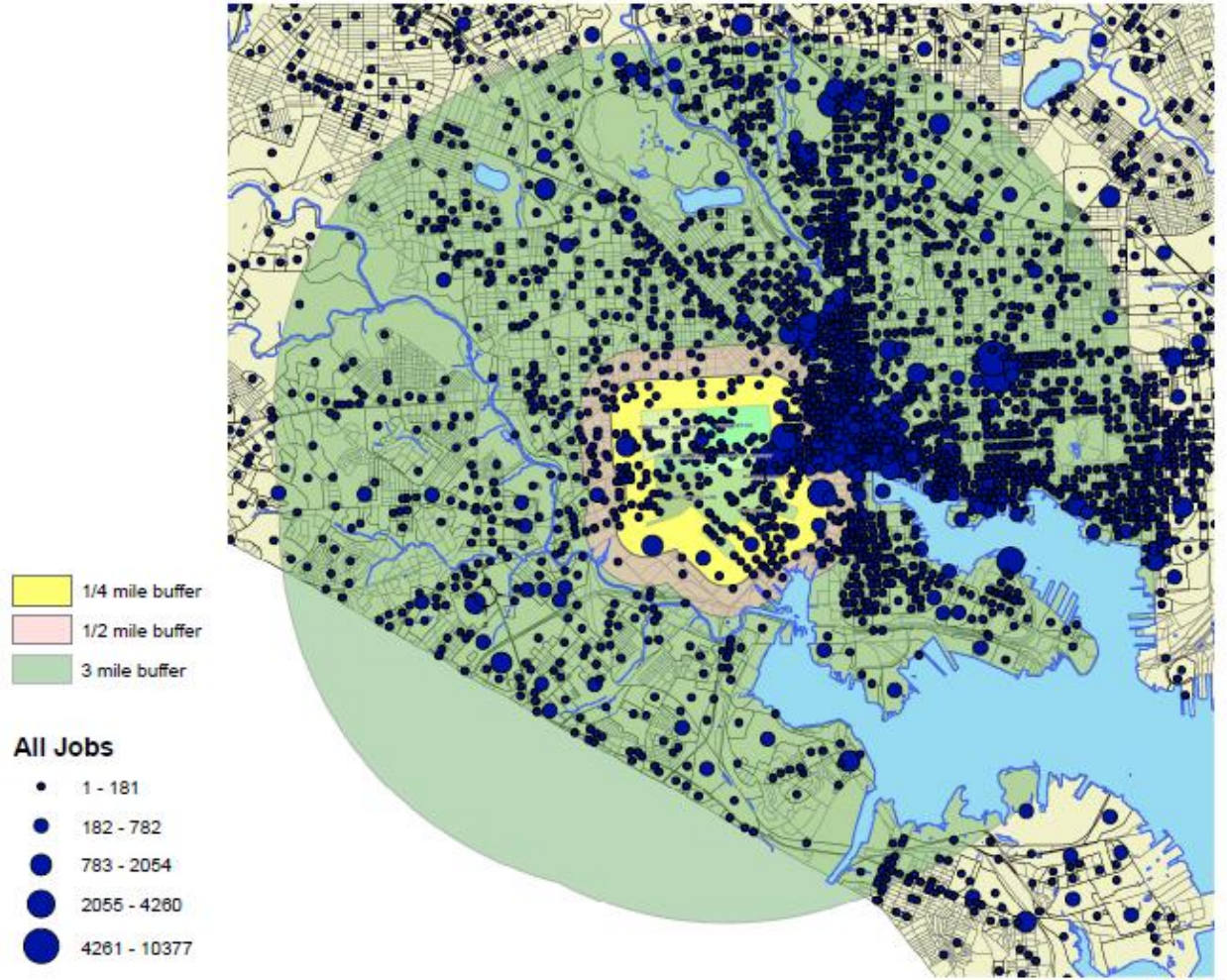
Are jobs accessible by foot/bike?

Walking and Biking Distances - Southwest Baltimore



Data Sources: Maryland iMAP, LEHD 2013 WAC
Map by: Tanya Allen

All Jobs
Southwest Baltimore (Bike/Ped Accessible)



Data Sources: Maryland iMAP, LEHD 2013 WAC
Map by: Tanya Allen



Discussion of Final Results

- Many jobs and job types available *nearby*, but not many concentrated within SWP
- More SWP residents working in low paying industries rather than high paying industries
 - ...despite the physical proximity of well-paying jobs

Type of Job	Distance					
	Within ¼ mile (walk)	%	Within ½ mile (walk)	%	Within 3 miles (bike)	%
Total Jobs	30,137		46,792		228,854	
By Wage						
Total Reported	30,137		46,792		228,854	
\$1,250 or less/month	3,266	10.8%	4,966	10.6%	28,532	12.5%
\$1,250 to \$3,333/month	8,787	29.2%	15,212	32.5%	74,987	32.8%
\$3,333 or more/month	18,084	60.0%	26,614	56.9%	125,335	54.8%
By Education Level						
Total Reported	24,663		38,561		183,946	
High School or Less	7,199	29.2%	11,952	31.0%	61,390	33.4%
Some College (Associates)	7,470	30.3%	12,071	31.3%	57,527	31.3%
Bachelors or Higher	9,994	40.5%	14,538	37.7%	65,029	35.4%

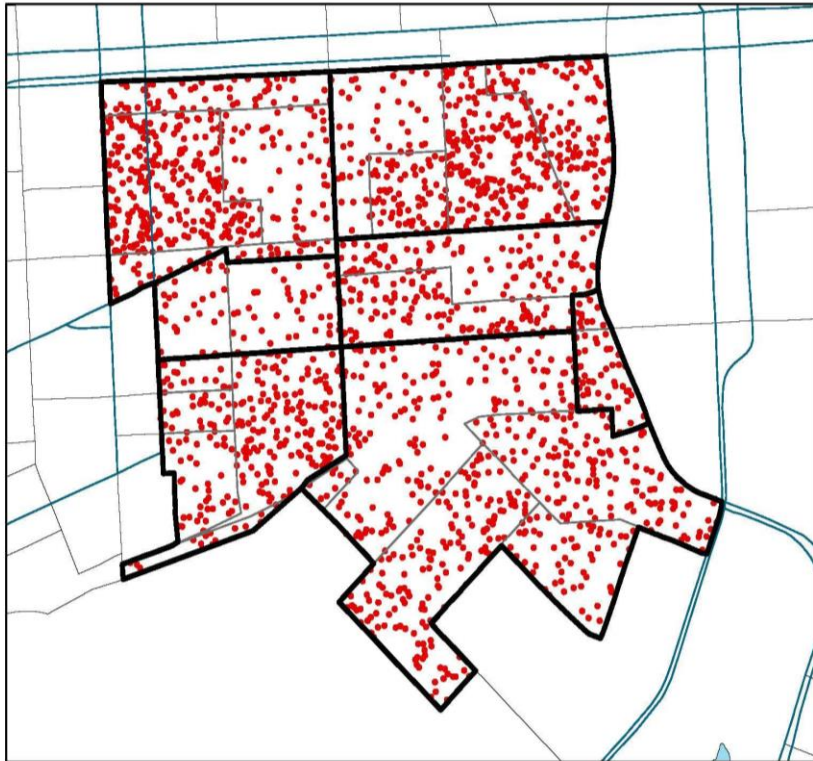


Other Findings and Conclusions

- SWP area residents have to ‘outsource’ themselves to other areas
- Job options are constrained to some degree by access to transportation
- The area may be poised to capitalize on the growing interest in walkable, transit-oriented environments

Southwest Baltimore is a central, well-connected area where transit improvements, economic development, workforce development, and attracting new residents can have a big impact

What do residents earn?

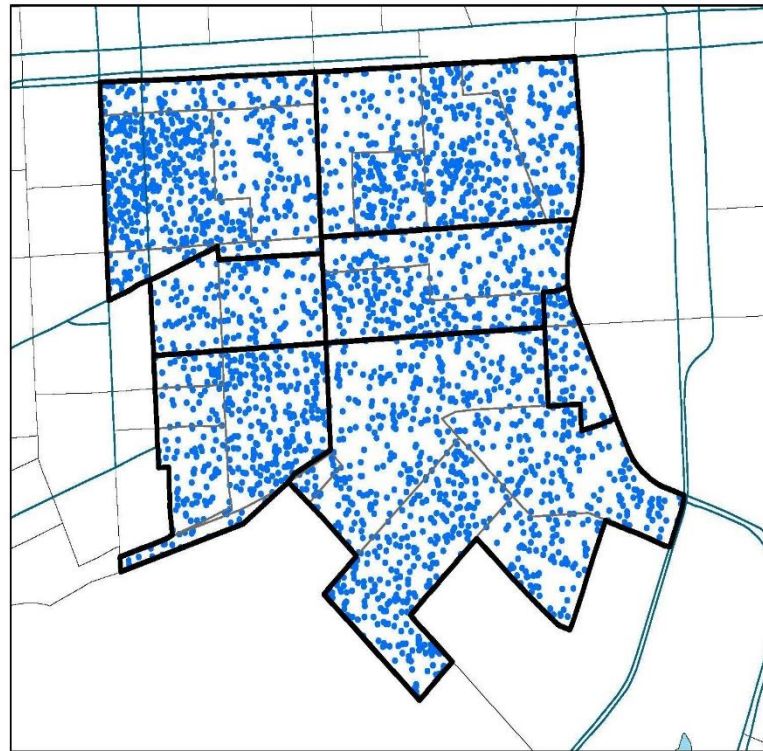


0 0.1 0.2 0.4 Miles

Sources: LEHD RAC, 2013;
ACS, 2009-13 Means of Transportation
to Work by Travel Time to Work

RAC Wage Data - less than \$1251/month

1 Dot = 1 Employed Resident
Sum_CE01_1

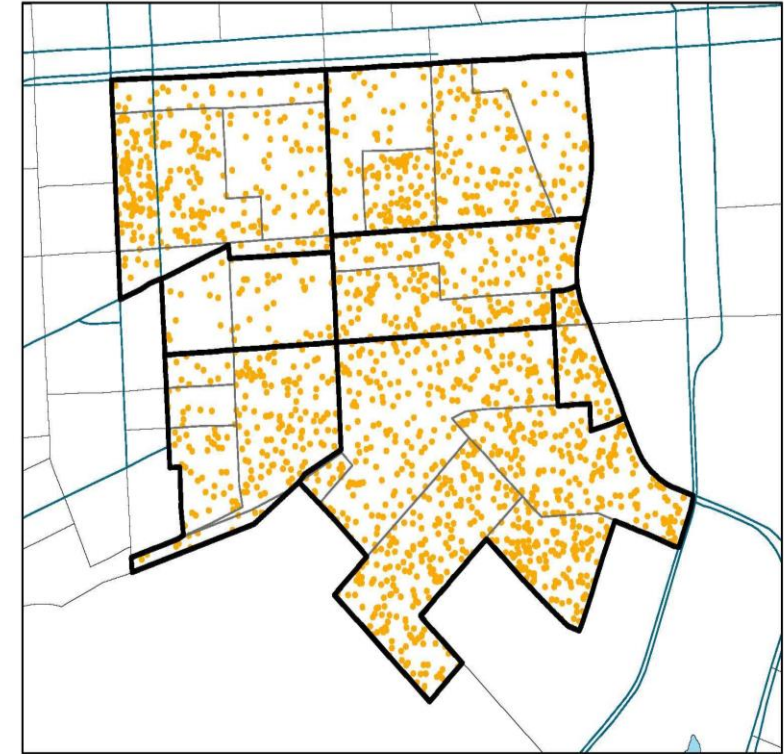


0 0.1 0.2 0.4 Miles

Sources: LEHD RAC, 2013;
ACS, 2009-13 Means of Transportation
to Work by Travel Time to Work

RAC Wage Data - \$1251/month to \$3333/month

1 Dot = 1 Employed Resident
Sum_CE02_1



0 0.1 0.2 0.4 Miles

Sources: LEHD RAC, 2013;
ACS, 2009-13 Means of Transportation
to Work by Travel Time to Work

RAC Wage Data - greater than \$3333/month

1 Dot = 1 Employed Resident
Sum_CE03_1

However, workers of all earnings brackets are relatively evenly distributed