



American Planning Association
Women and Planning Division

Making Great Communities Happen



WOMEN IN PLANNING: Emerging Leaders from Academia to Planning Practice

JULY 27, 2018



American Planning Association
Women and Planning Division

Making Great Communities Happen



ANDREA CLARK



GENEVIEVE PEARTREE



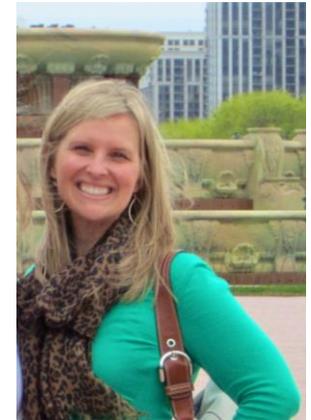
CARRIE SAUER



YEMESERACH TADDELE



RAYA ESMAEILI, AICP



CORRIN WENDELL, AICP

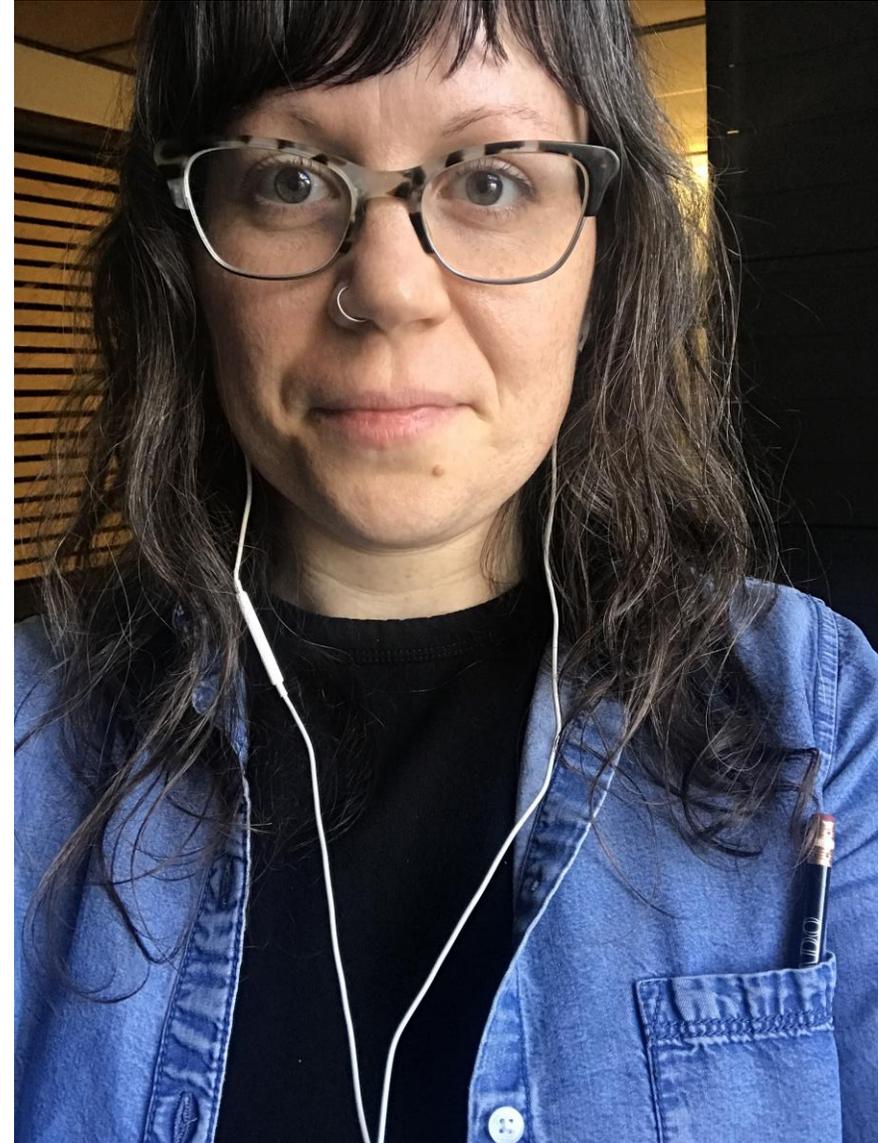
Andrea Clark

Masters in Urban Planning, Sustainable Land
Use

MA in American Studies

MA in Sociology

BA in Sociology



Stormwater Management



Clean Water Act Settlement

Enforcement Home

Enforcement Basics

National Enforcement
Initiatives

Air Enforcement

Water Enforcement

Waste, Chemical and
Cleanup Enforcement

Criminal Enforcement

Enforcement at Federal
Facilities

Data and Results

Policy, Guidance and
Publications

Kansas City, Mo., to Spend \$2.5 Billion to Cut Sewer Overflows

Release Date: 05/18/2010

Contact Information: Chris Whitley, 913-551-7394,
whitley.christopher@epa.gov

Environmental News

FOR IMMEDIATE RELEASE

(Kansas City, Kan., May 18, 2010) - The City of Kansas City, Mo., has agreed to make extensive improvements to its sewer systems, at a cost estimated to exceed \$2.5 billion over 25 years, to eliminate unauthorized overflows of untreated raw sewage and to reduce pollution levels in urban stormwater, the Justice Department and U.S. Environmental Protection Agency announced today.

Reference News Release

This is a reference news release copy, posted specially for content linking on this site.

[CLICK HERE to go to the regular EPA news release site.](#)

South Hyde Park



Neighborhood Guide

Stormwater Management

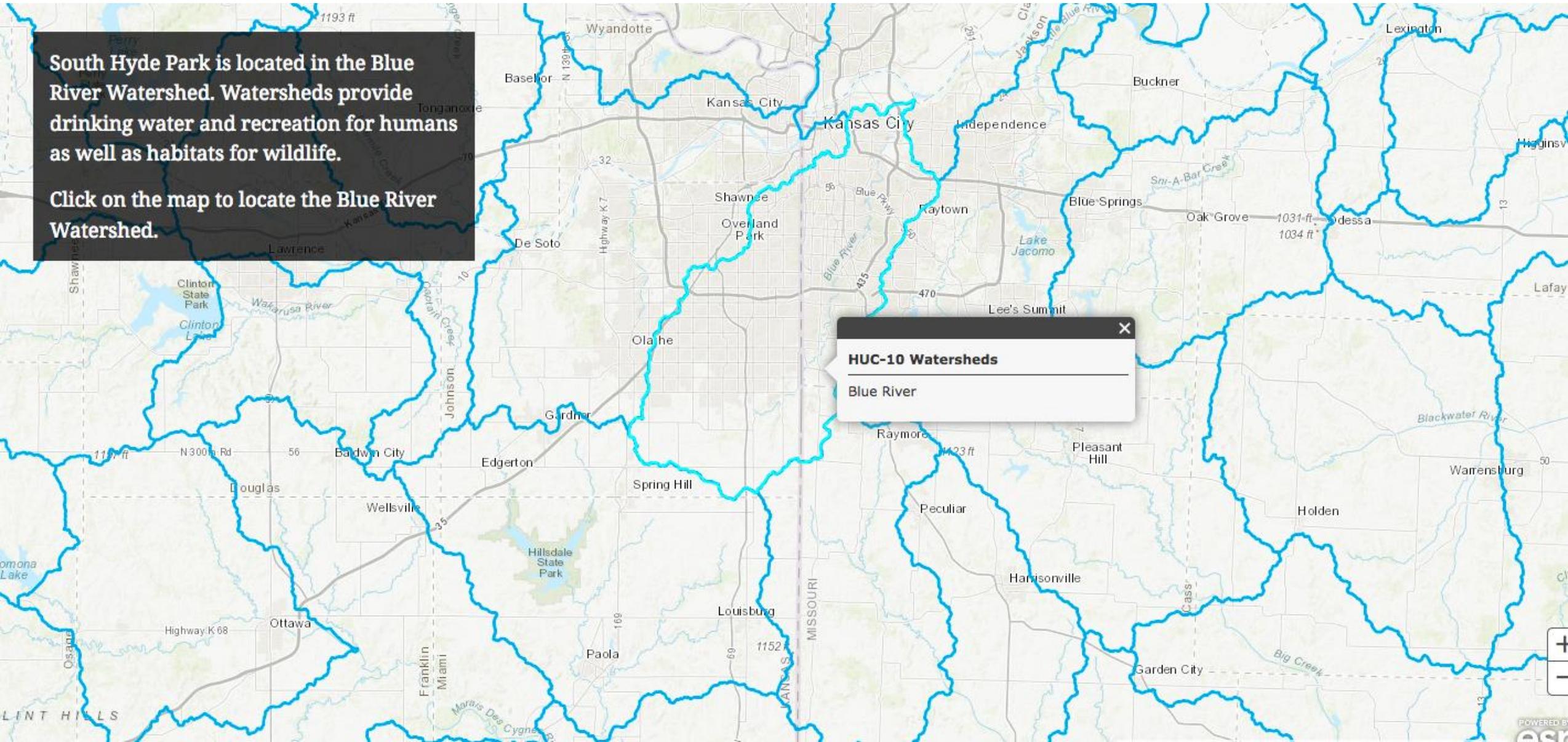
A Neighborhood Guide



Blue River Watershed

South Hyde Park is located in the Blue River Watershed. Watersheds provide drinking water and recreation for humans as well as habitats for wildlife.

Click on the map to locate the Blue River Watershed.



HUC-10 Watersheds

Blue River

Common Pollutants

Bacterial Contamination

One cause of bacterial contamination in water is animal feces. Animal feces carry parasites and bacteria that are harmful to other animals and humans and should not be used as compost. When animal feces are carried by stormwater runoff, it flows directly into streams and rivers untreated.



Green Infrastructure

Green infrastructure is a sustainable approach to stormwater management that mimics natural processes to direct, capture, filter and infiltrate stormwater runoff. Green infrastructure includes natural elements, like soil and vegetation, and man-made materials, like pavement.

Rain barrels attach to your downspout and capture stormwater, which can then be used to water plants and gardens.





Local Resources



Click on these local resources to learn more about how you can help reduce stormwater runoff and improve water quality.

[**Anita B. Gorman Conservation Discovery Center**](#)

[**Bridging the Gap**](#)

[**Green Thumb Gardens**](#)

[**Heartland Conservation Alliance**](#)

[**KC Water**](#)

[**Missouri Organic Recycling**](#)

[**Soil Service**](#)

[**University of Missouri Extension**](#)



Contact

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Genevieve Pearthree
Associate Planner
City of Flagstaff, AZ

- University of Redlands
 - BS: Environmental Justice & Environmental Science
- Arizona State University
 - **Master of Urban and Environmental Planning (2017):** The High Cost of Unaffordable Housing in Ketchum, Idaho
 - *Won the 2018 AICP Student Project Award for Applied Research*
 - **Master of Science in Sustainability (2018):** Regenerative Design in River Restoration Projects in Los Angeles and Milwaukee
- Volunteer activities:
 - Member: APA Student Representatives Council & Governance Taskforce
 - Student Representative: APA-AZ Executive Board

The High Cost of Unaffordable Housing in Ketchum, Idaho: Causes, Effects, and Potential Solutions

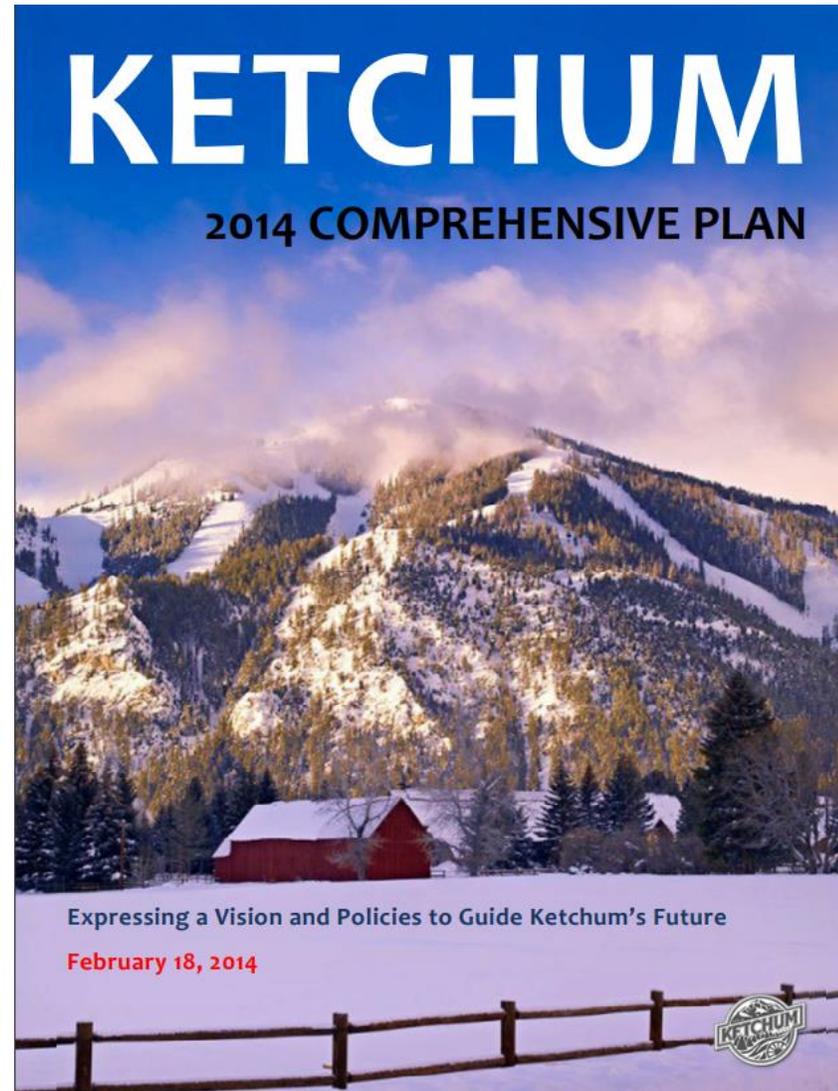


Image credit: City of Ketchum (2014).

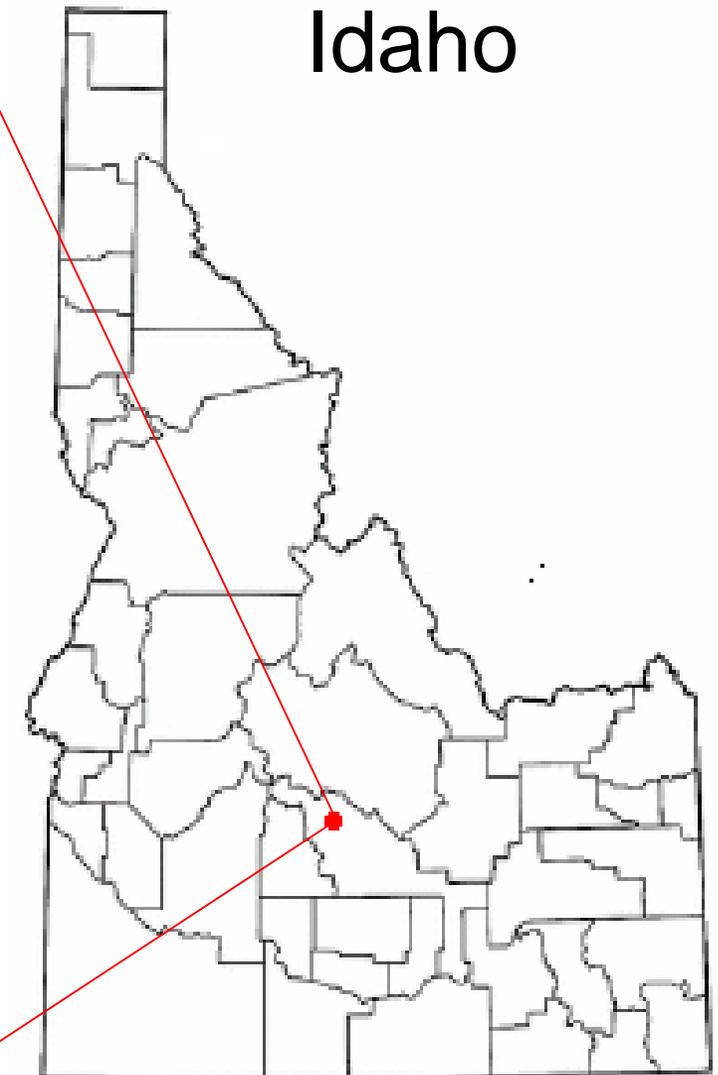


Image credit: Seth Ilys (2004). Licensed under the Creative Commons Attribution-Share Alike 3.0 Unported license. Retrieved from: <https://commons.wikimedia.org/wiki/File:IDMap-doton-Ketchum.PNG>.

Goal: Identify and analyze the causes of, and potential solutions to, housing affordability

1. Long and short-term demographic and housing trends
2. Strengths and weaknesses of current policies
3. Relevant Idaho state statutes and court cases
4. Case studies of other communities
5. Potential policies to address issues
6. Recommendations to increase workforce housing

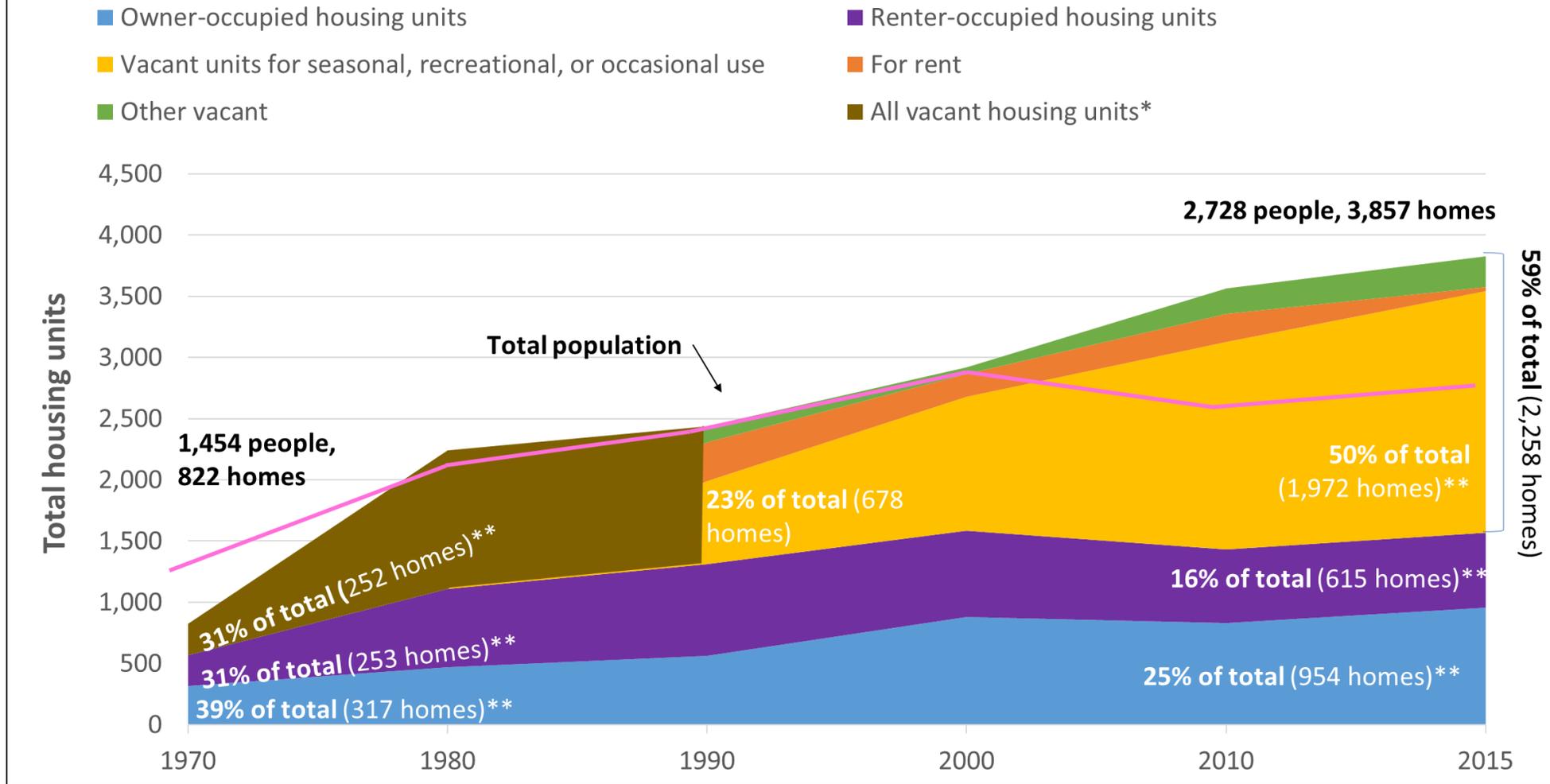


Comparison of Median Family Income, Median Home Value, and Median Gross Rent in Ketchum, ID, Blaine County, ID, and the State of Idaho: 1970 - 2015 (Adjusted for Inflation - August 2017 Dollars)

		1970	1980	1990	2000	2010	2015	Percent Change: 1970 - 2015
Ketchum	Family Income	\$55,810*	\$54,452*	\$74,284	\$105,704	\$91,068	\$76,601	37%
	Home Value	\$168,994	\$371,006	\$446,658	\$721,364	\$746,881	\$651,929	286%
	Gross Rent	\$720	\$876	\$1,013	\$1,138	\$1,088	\$970	35%
Blaine County	Family Income	\$54,716	\$53,384	\$72,320	\$86,049	\$83,258	\$75,312	38%
	Home Value	\$100,121	\$217,936	\$242,662	\$413,928	\$533,362	\$385,581	285%
	Gross Rent	\$548	\$767	\$916	\$1,061	\$1,016	\$968	77%
Idaho	Family Income	\$53,447	\$53,020	\$56,136	\$62,333	\$61,590	\$59,229	11%
	Home Value	\$89,917	\$138,218	\$110,284	\$152,357	\$194,491	\$167,586	86%
	Gross Rent	\$587	\$661	\$629	\$738	\$776	\$764	30%

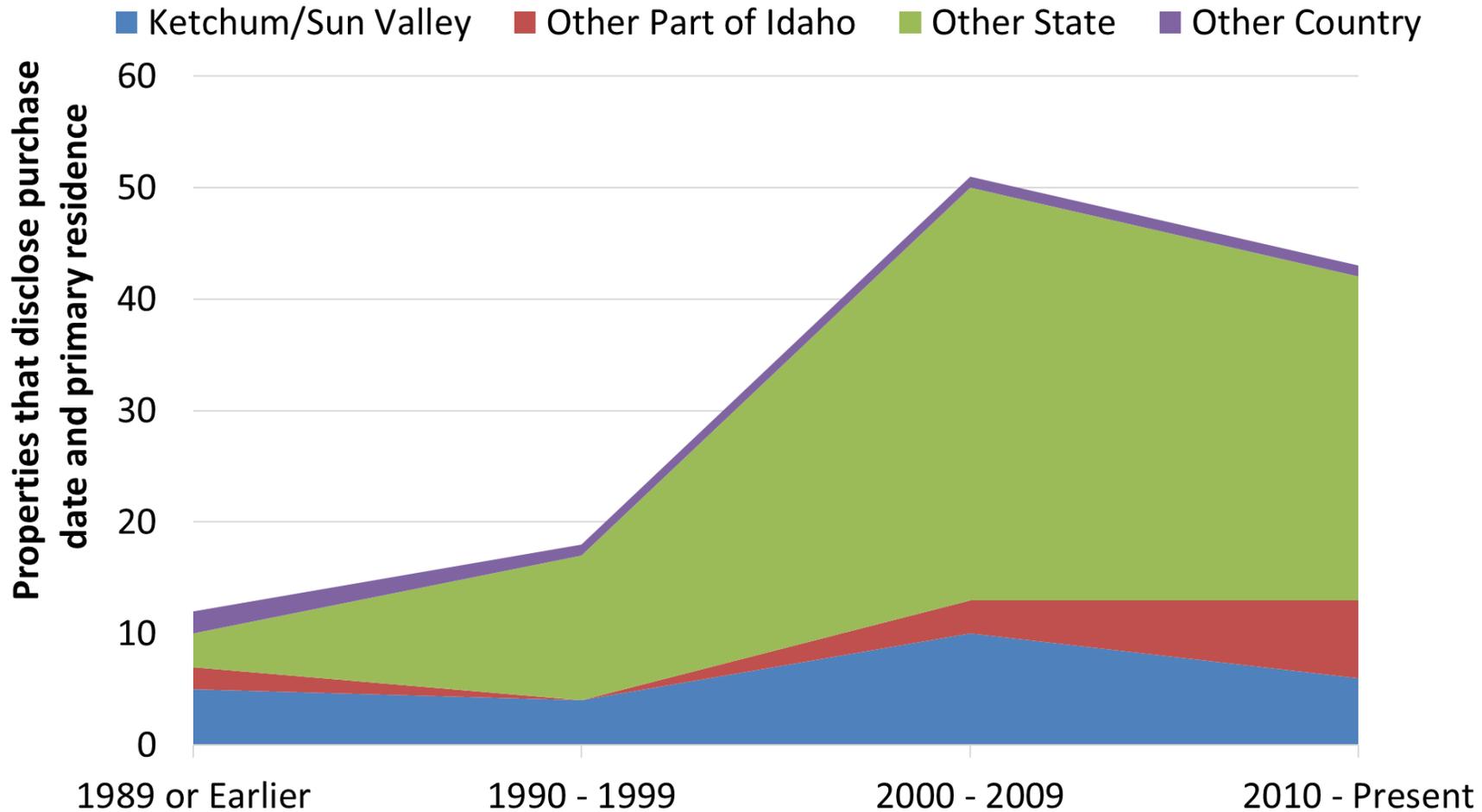
Source: U.S. Decennial Census, 1970 – 2000; American Community Survey 5-Year Estimates, 2005 – 2015; U.S. Bureau of Labor Statistics Consumer Price Index Inflation Calculator, accessed October 10, 2017.

Population and Housing Occupancy/Vacancy in Ketchum, ID: 1970 - 2015



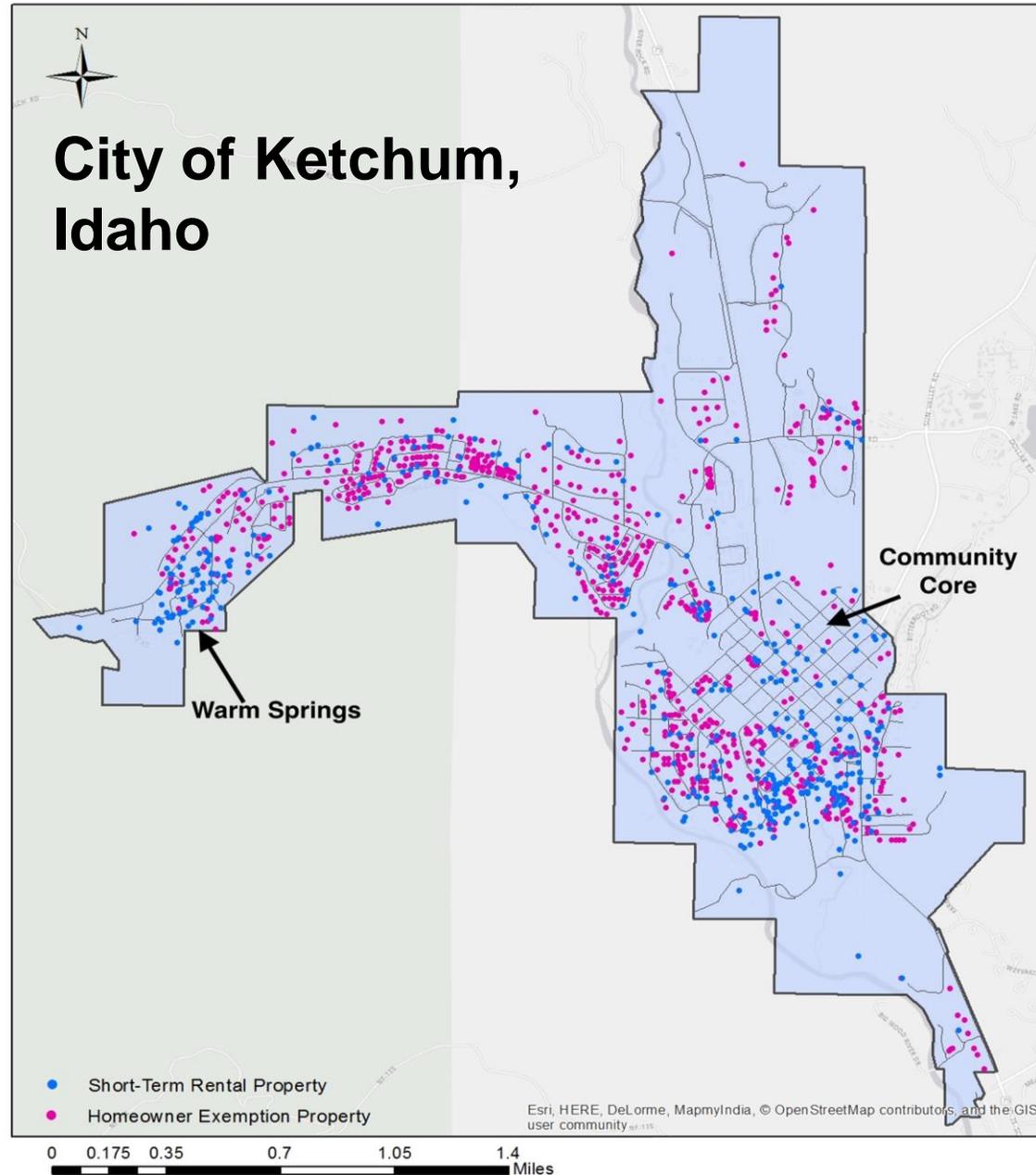
Source: U.S. Decennial Census, 1970 – 2010; American Community Survey 2015 5-Year Estimates.
 *Housing vacancy characteristics are not available pre-1990. **Percentages may not add up to 100 due to rounding.

Owner Location/Purchase Date for Vacation Properties in Ketchum, ID: 1989 - 2016



Source: Vacation Rental
By Owner, 2016. Sample
size = 124.

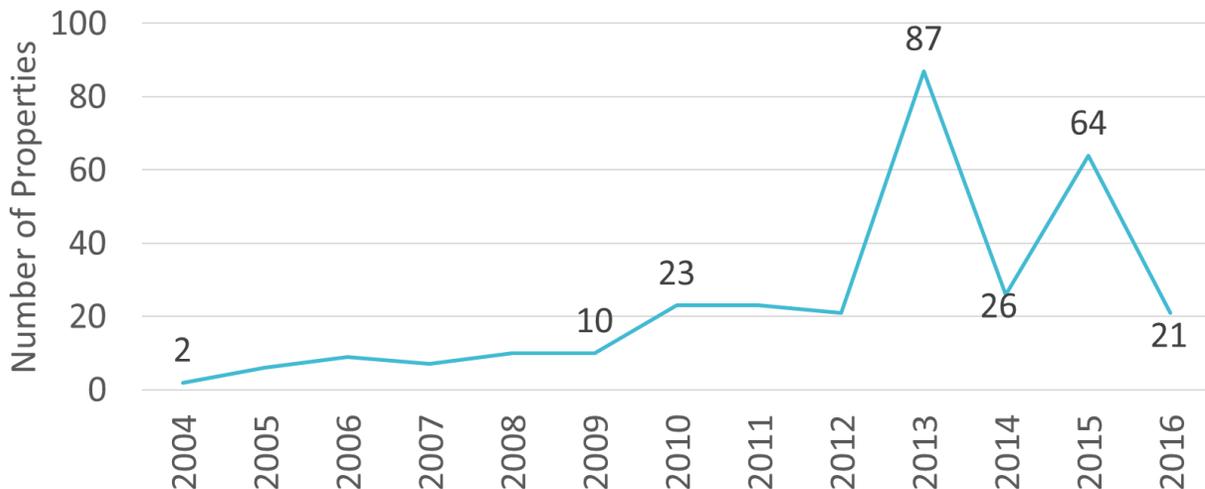
Location of permanent homeowners compared to short-term rentals



Short-term vs. long-term rental inventory

Decreases in Long-Term Rental Advertisements in Ketchum, ID: 2012 - 2016

Date Short-Term Rental Hosts Joined VRBO in Ketchum, Idaho: 2004 - 2016



Source: VRBO.com (2016).

	2012	2013	2014	2015	2016	Total Decrease: 2012 - 2016	Percent Decrease: 2012 - 2016
Studio	38	19	15	10	4	-34	-89%
One-Bedroom	70	47	57	32	12	-58	-83%
Two-Bedroom	124	61	80	44	16	-108	-87%
Three-Bedroom	54	32	40	52	47	-7	-13%
Four+ Bedroom	5	0	0	0	0	-5	-500%
Total Listings	291	159	192	138	79	-212	-73%

Source: Blaine County Housing Authority, 2017.

Next steps

- Considerations
 - Vacation homes and short-term rentals are important to Ketchum's tourism-based economy
 - Idaho state laws limit affordable housing incentives and short-term rental regulations
- Recommendations
 - Grow the workforce housing supply
 - Use sales tax permits to track, manage, and capture value from short-term rentals
 - Conduct further research on housing needs



Image credit: City of Ketchum (2014).

Connections to professional and personal goals

- Always wanted to live and work in a mountain town
- Associate Planner at the City of Flagstaff
 - Mountain town w/ housing affordability challenges
 - Leader in urban design and sustainability in Arizona
- Goal to forge stronger planning-sustainability connections
 - Focus on social, economic, *and* environmental sustainability

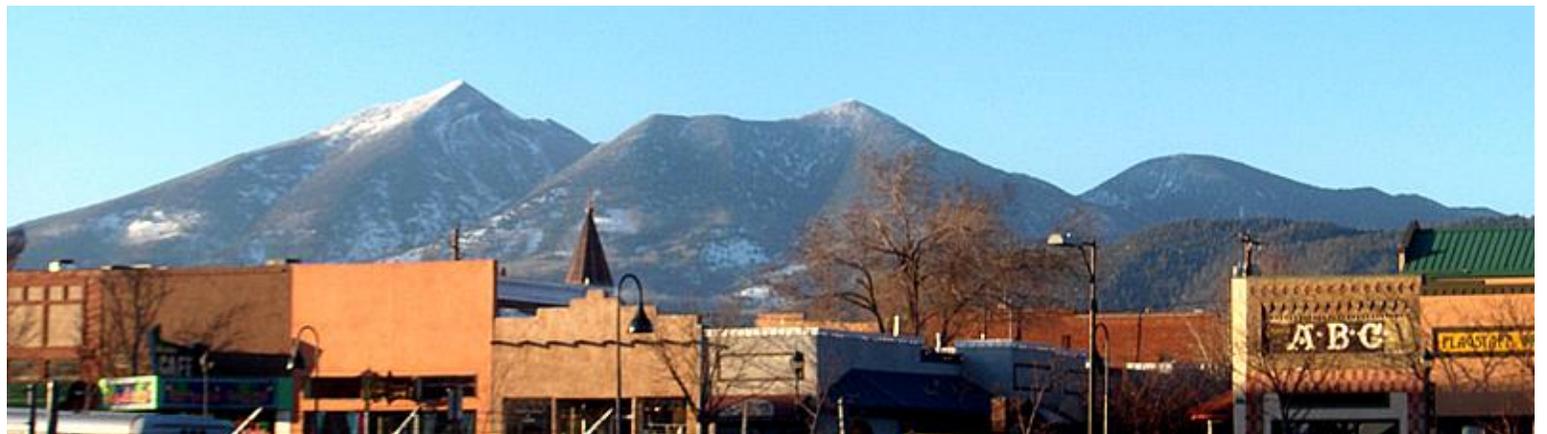


Image credit: Derek.cashman at the English language Wikipedia, CC BY-SA 3.0, <https://commons.wikimedia.org/w/index.php?curid=7036927>

CARRIE SAUER

Exploring New Metrics for Safety



INTRODUCTION



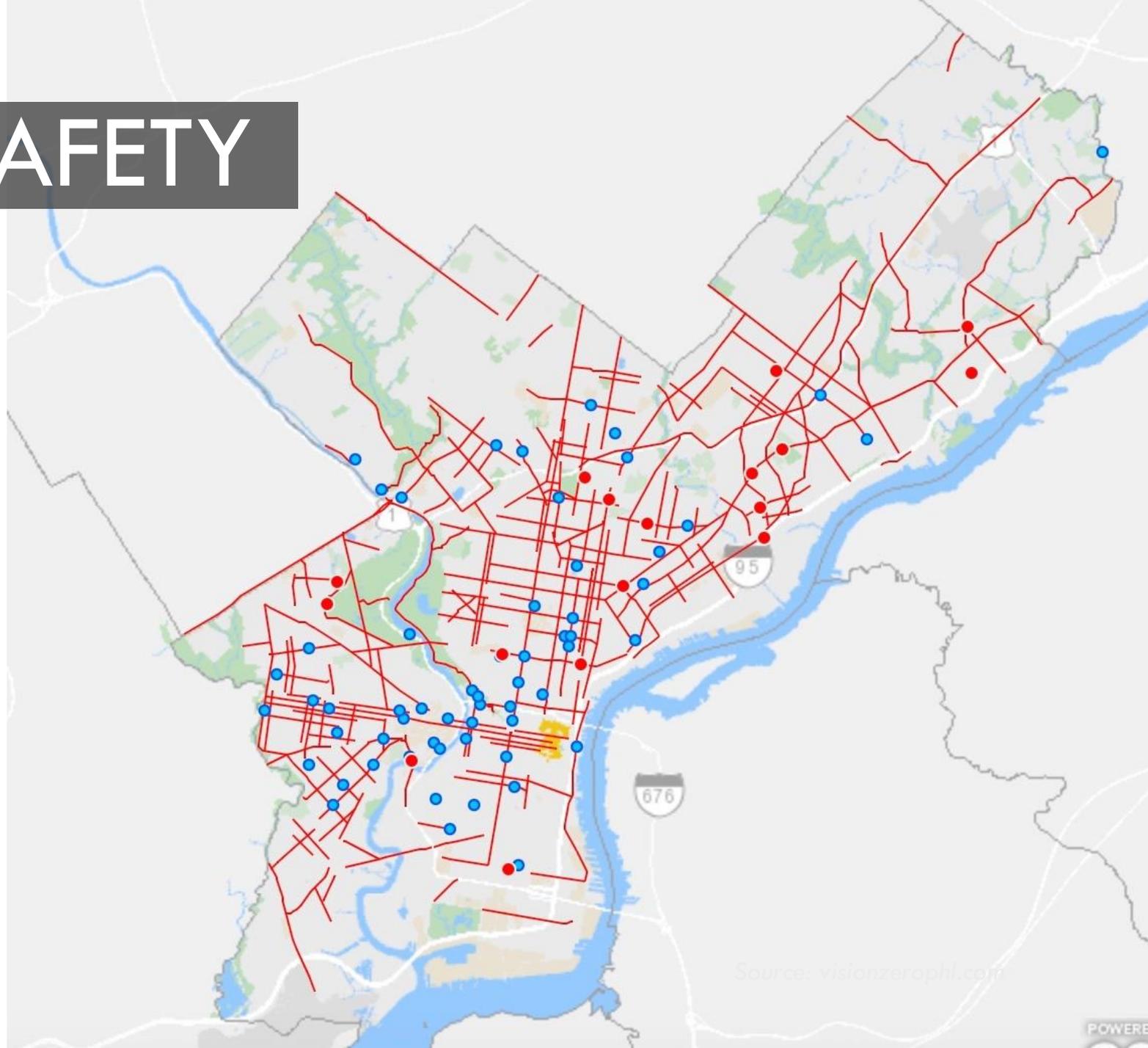
- From New York; lives and works in **Philadelphia**
- Transit, bicycle, pedestrian planning and design
- **Masters in City Planning**, University of Pennsylvania School of Design

METRICS FOR SAFETY

● Traffic-related deaths

● Severe injuries

✕ High injury network



WHAT IS EYE TRACKING?



- Gaze position
- Gaze order
- Fixation duration
- Pupil dilation
- Video
- Head movement

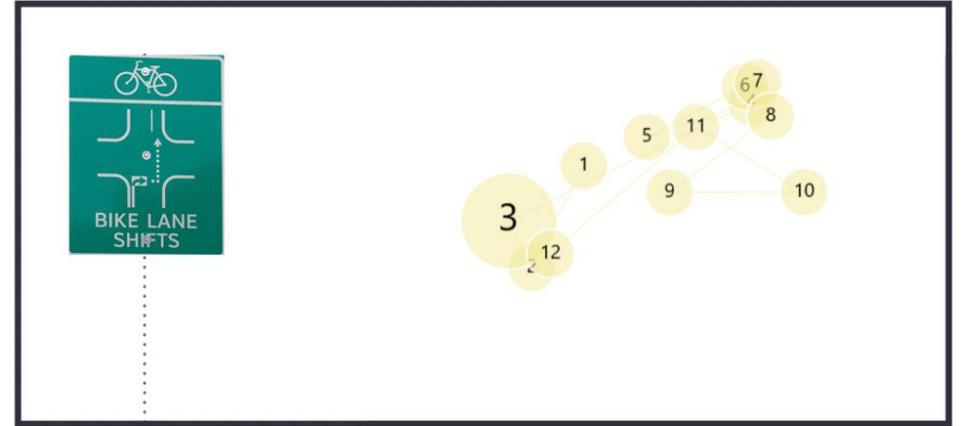
EYE TRACKING ANALYSIS





DO CYCLISTS SEE THIS CRITICAL SIGN?

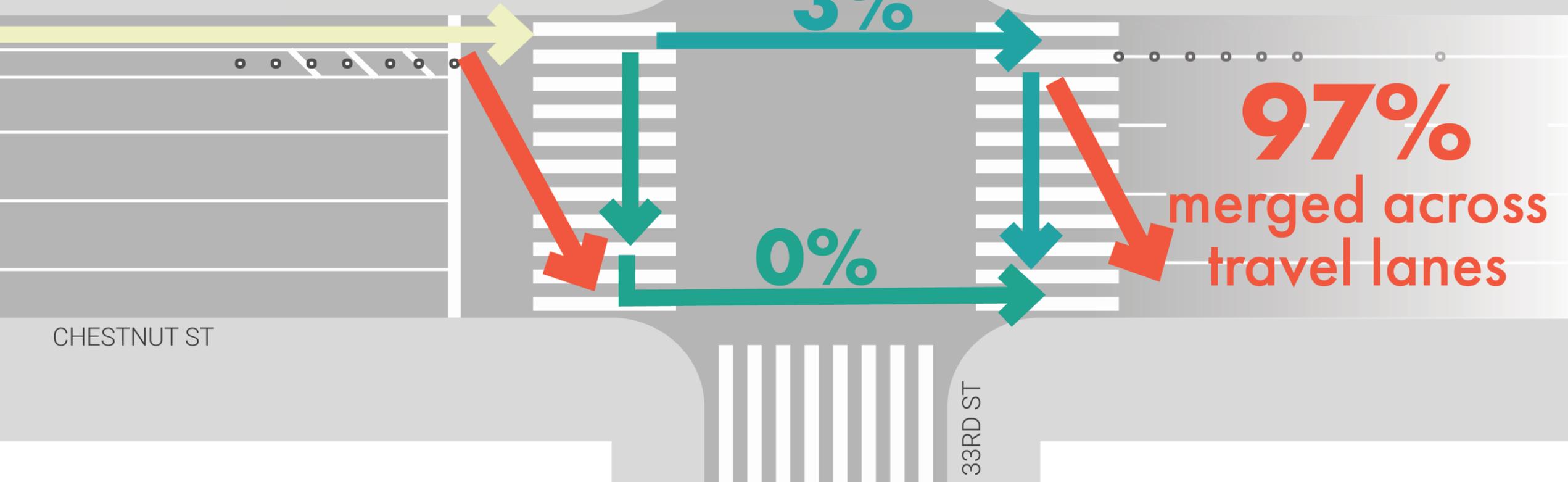
IMPLICATIONS OF DESIGN



IMPLICATIONS OF DESIGN

Sign suggested movement

X



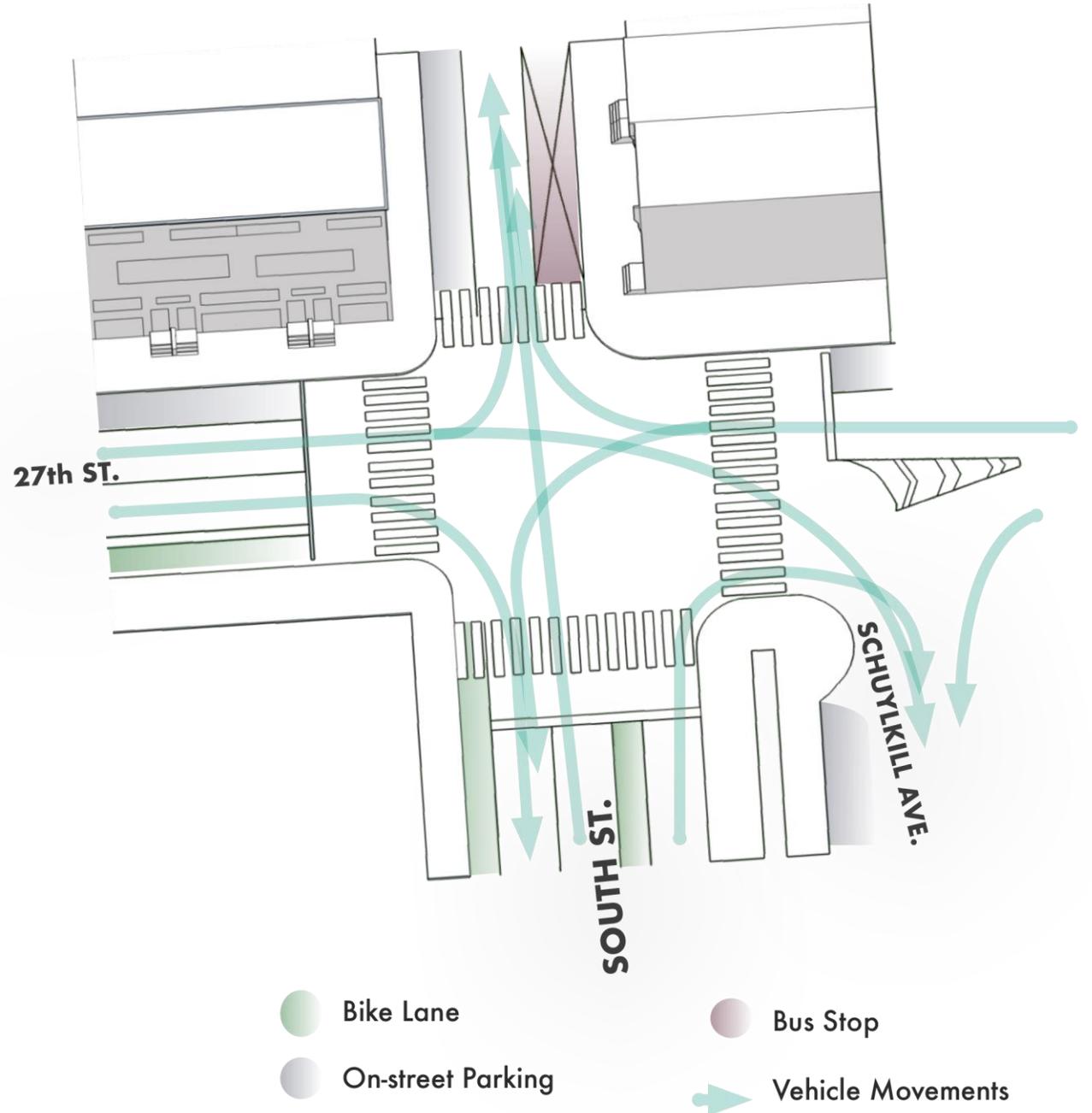
97%
merged across
travel lanes

CHESTNUT ST

33RD ST

NEXT STEPS

- Pre/post-construction evaluations of infrastructure
- Comparisons of user experience, including walk audits
- Assessing wayfinding and comfort or ease



THANK YOU

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DESIGN SOLUTIONS FOR TRANSIT-ORIENTED DEVELOPMENT (T.O.D.) IN ADDIS ABABA, ETHIOPIA

Yemeserach Taddele
July, 2018



Fig1. Ethiopia (Data Source: ARCGIS World Light Gray Reference)

The project

*focuses on the transit connectivity issues
faced by the Ethiopian capital of Addis
Ababa*

- Reviews theoretical and methodological contributions
- Placing concepts and design solutions
- Analyzes past and present activities undertaken
- Offers a multi-pronged approach calling for innovative thinking
- Ultimate goal is creating walkable, livable urban areas with access to public transit



Sustainable Economic Growth in Africa

- *decrease the carbon intensity of the economy by consumption of low-carbon environmental goods*

Strategies for pursuing sustainable development

- *Architecture and Passive design strategies*

Modernizing Housing and Infrastructure

- *western structure with a high proportion of slum areas*

Transit-Oriented Development

- *reduce the dependency rate related to the use of cars*

Implications for Increasing Resilience

- *adapt to a variety of shocks and stresses*

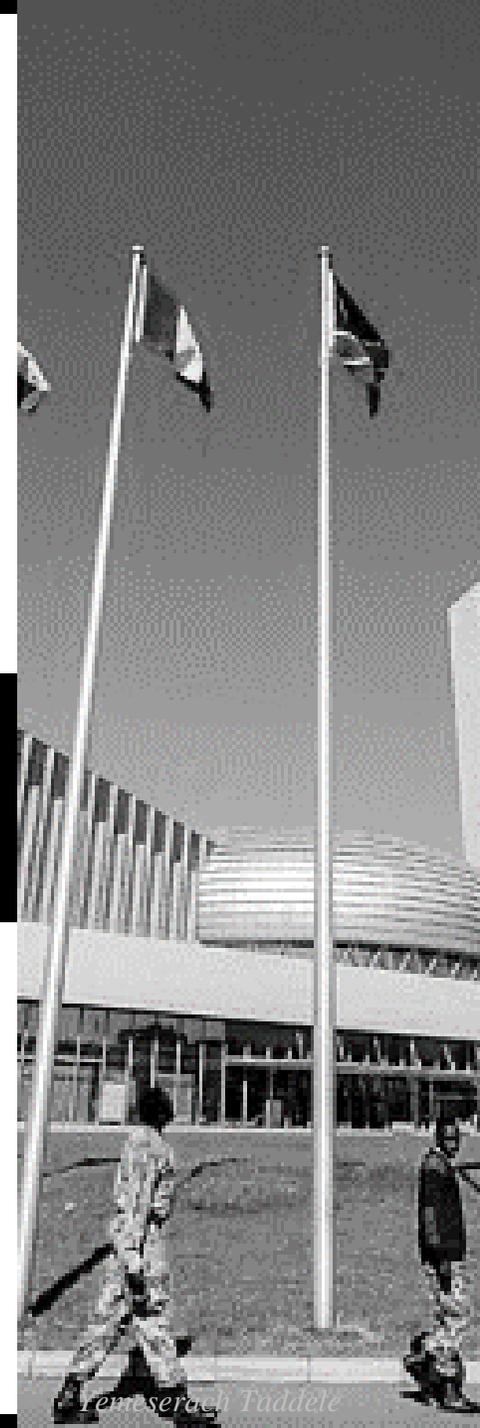


Figure 2: World map(Data Source: Arc GIS of Ethiopia)

PLANNING CONTEXT

Addis Ababa, Ethiopia

*Ethiopia is a landlocked country with many nations,
nationalities, and ethnicities*



Ethiopia's planned Rail System

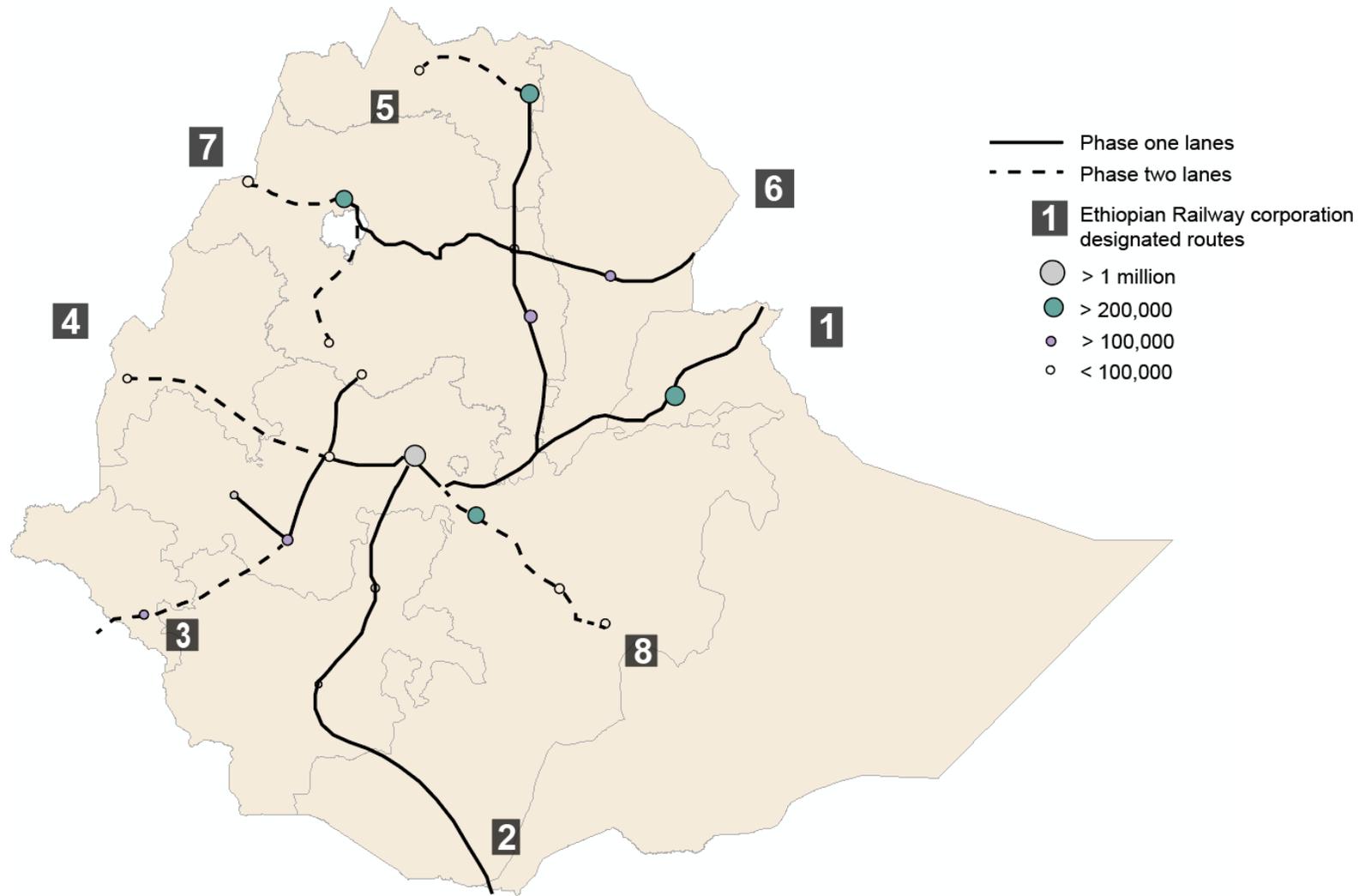


Figure 3: Ethiopian planned Rail System(Data Source: Arc GIS of Ethiopia)

Construction along New Road Links in Addis Ababa, Ethiopia

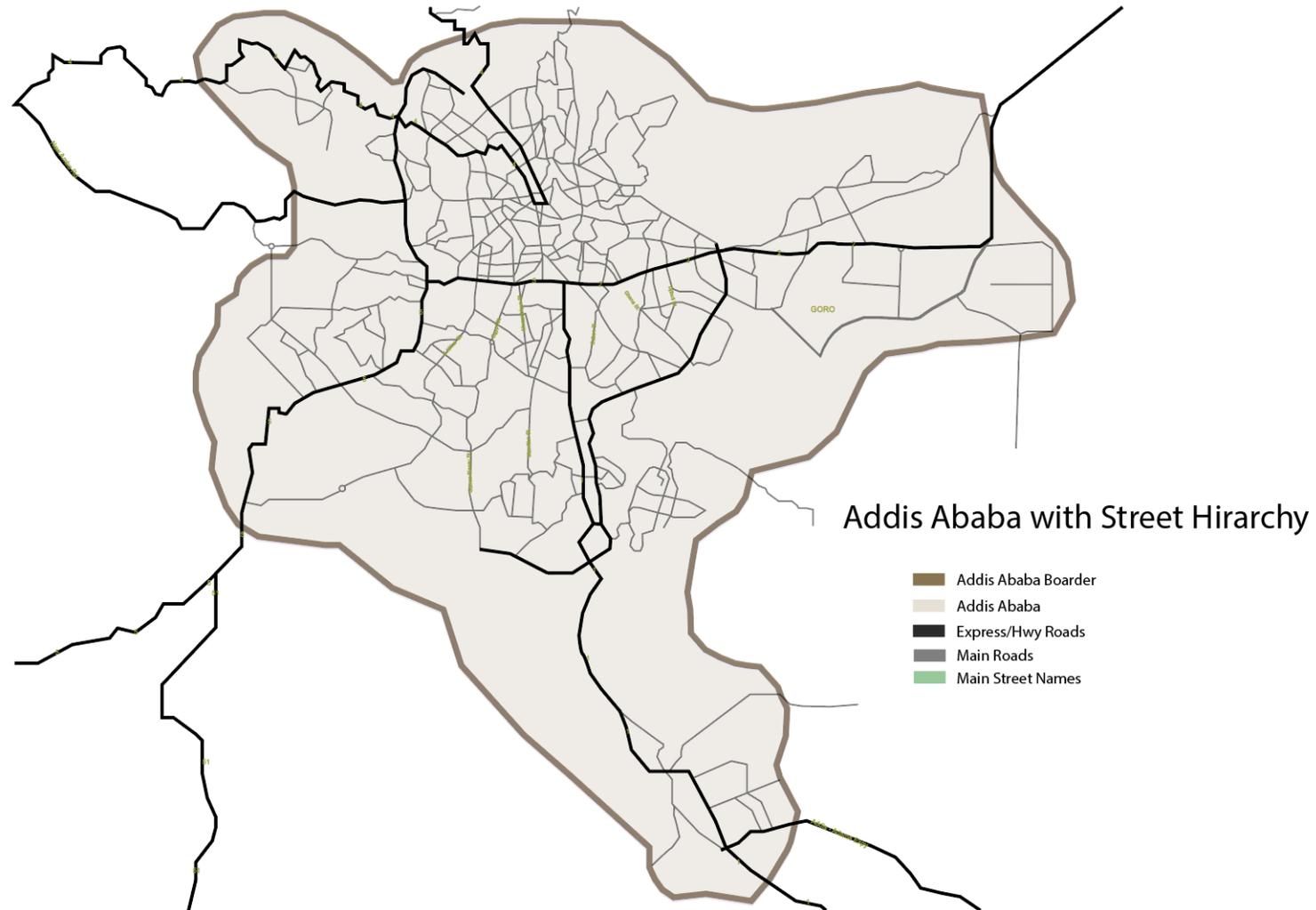


Figure 4: Addis Ababa with Street Hierarchy (Data Source: Arc GIS of Ethiopia)

Problem Statement and Research Methodology

lack of urban planning mechanisms and regulation, which in some areas of the city has resulted in poor urban design outcomes

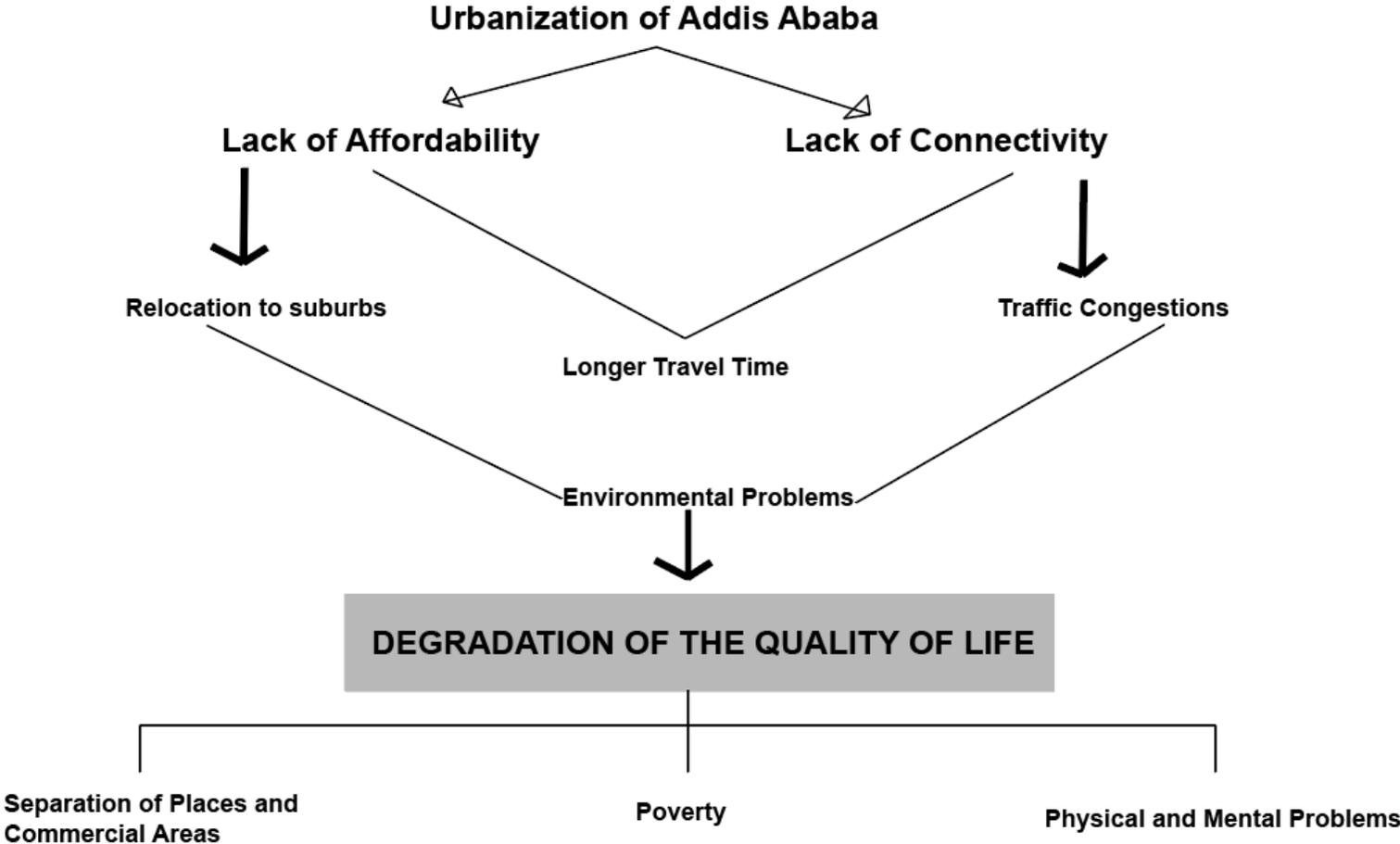


Fig 5. Problem Tree

Objectives

TRANSIT CONNECTIVITY ISSUES

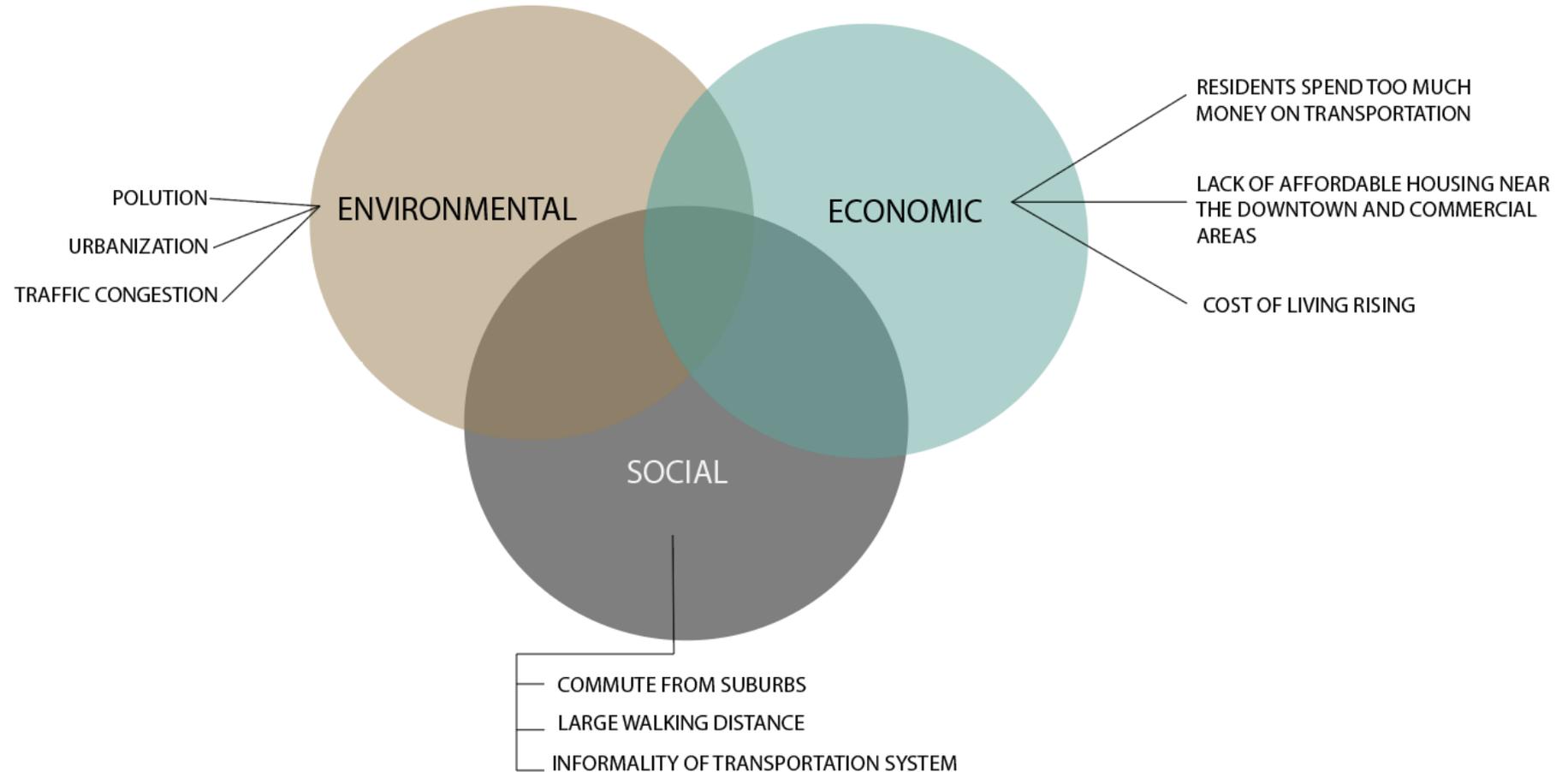


Fig 6. Transit Connectivity Issue

Transit

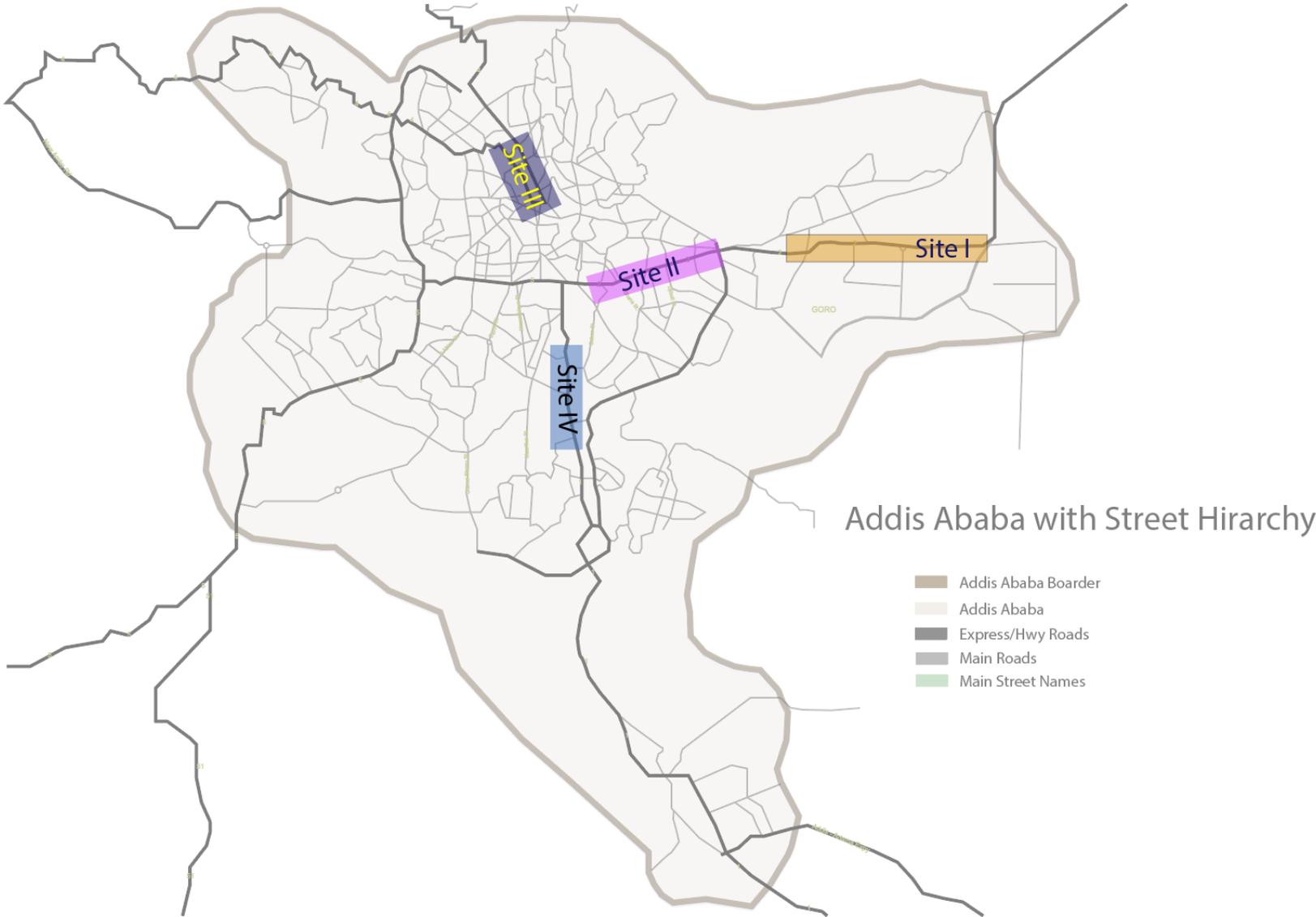
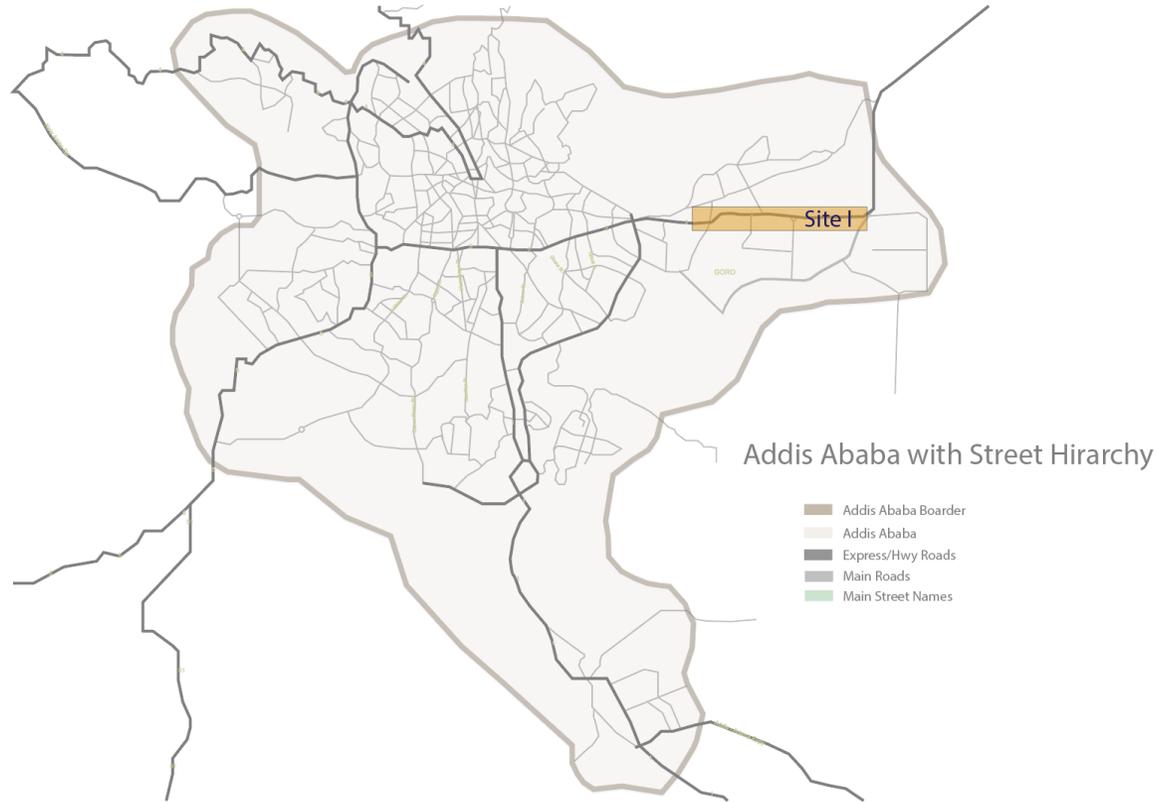


Fig 7. Project Sites



- Located on the east corner side of Addis Ababa
- Residential areas, mix-used areas, urban redevelopment with compact concept, and new urban redevelopment with business district.
- The plan adopts new mixed use zoning category and flex unit policy for commercial land use corridors

Existing



Fig 8. Existing Site

Proposed



Fig 9. Proposed Site

Site 1



Fig 10. Proposed Design



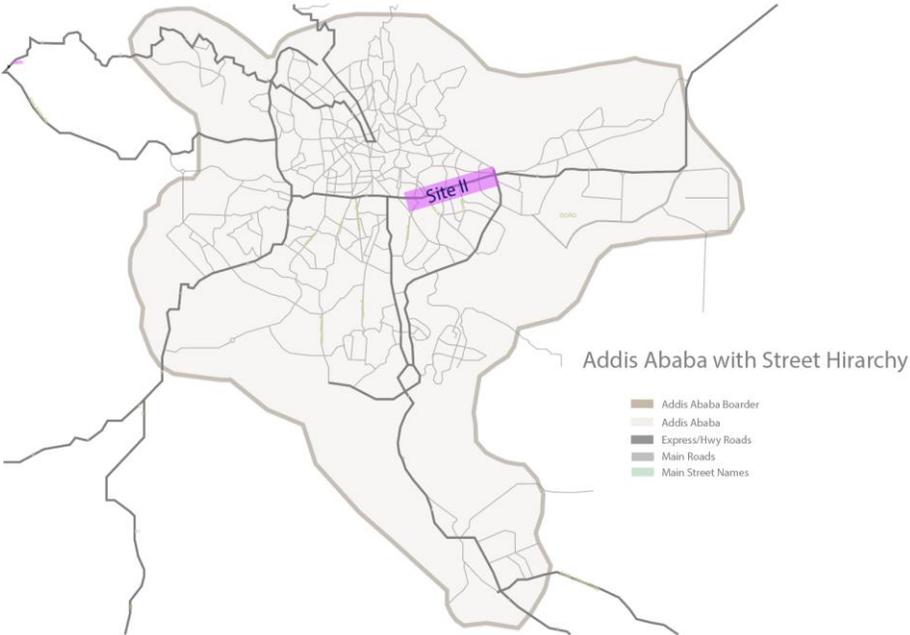
Fig 12. Proposed Design

Proposed Transit Oriented Development Designs



Fig 11. Proposed Design

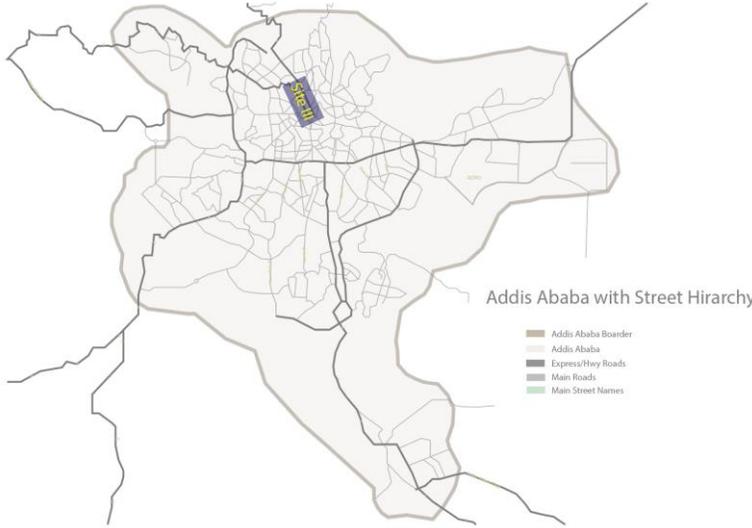
SITE 3



Existing



Fig 13. Existing Meskell Square



Proposed



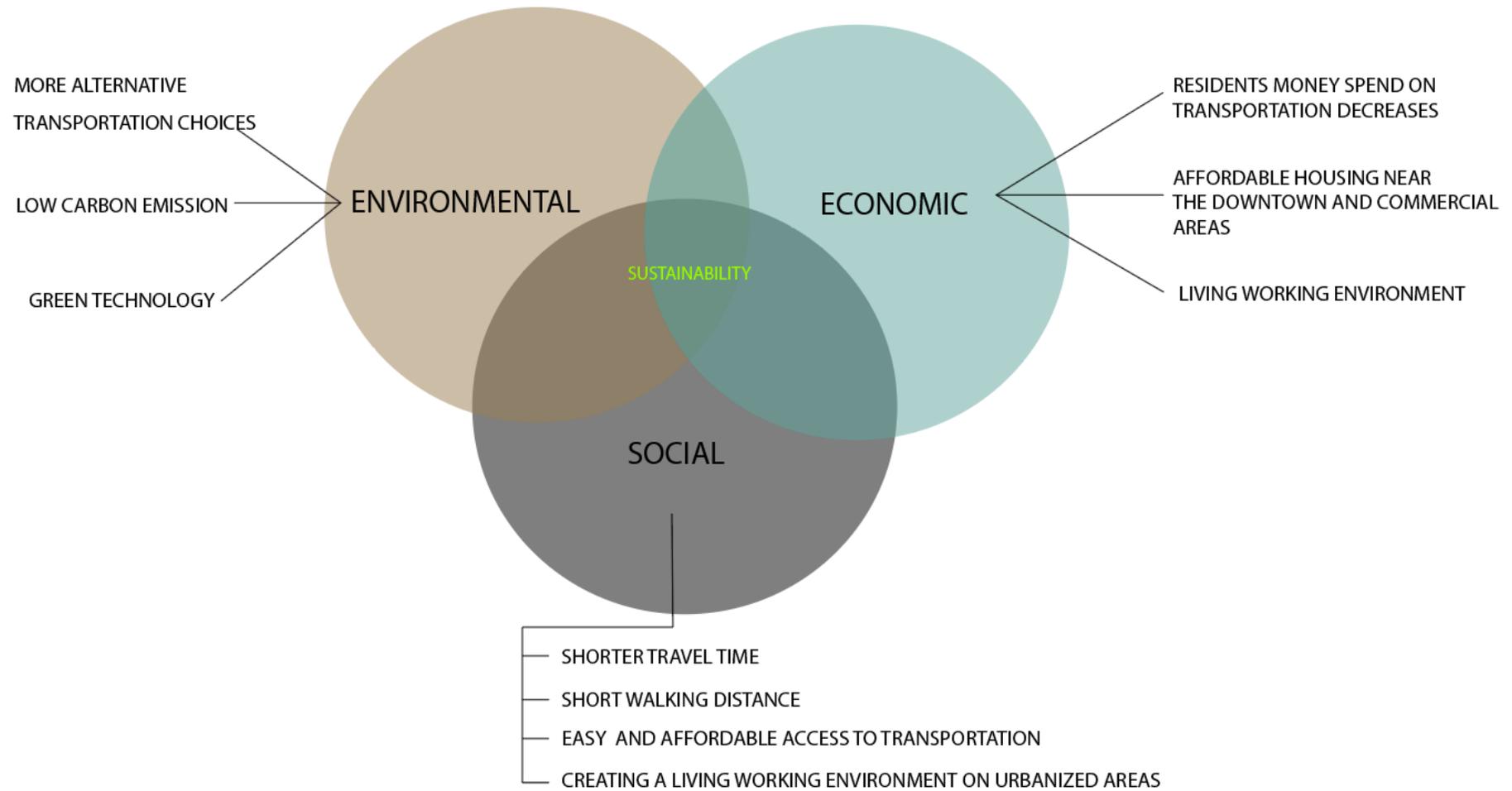
Fig 14. Proposed Meskell Square

- Create a smooth transition between cars and pedestrians on Meskell Square
- Elevated roundabout at Meskell Square

- The cultural district of Addis Ababa
- Design solution that will carefully blend the old and the new
- Creating transit corridors by keeping the historical context

Proposed Designs

TRANSIT ORIENTED DEVELOPMENT (TOD)



THANK YOU

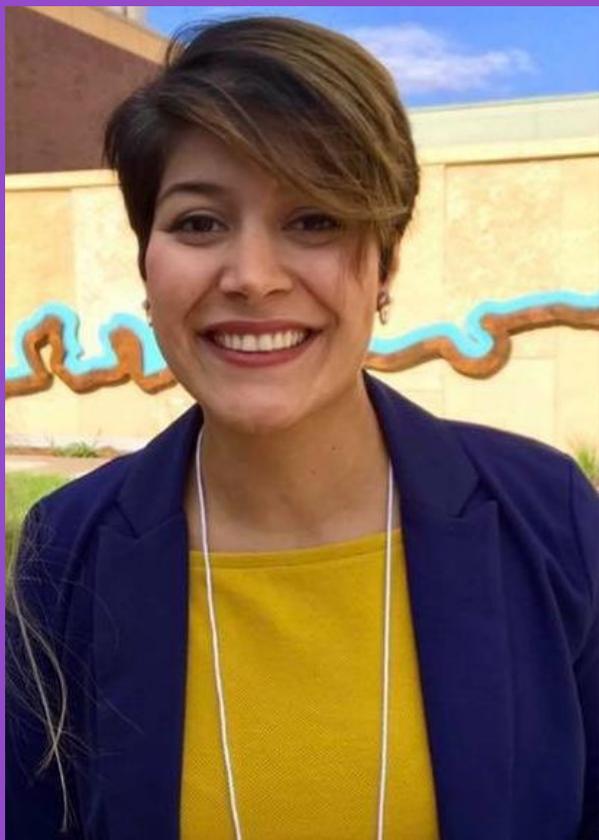
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- University of Tehran
 - BA: Urban Planning: An Organizing Plan for Bojnourd Inner City
- University of Minnesota
- Master of Urban and Regional Planning (2011): Mississippi National River and Recreation Area Sustainability Framework
- Volunteer activities:
 - Member: APA, APA Minnesota Chapter, APA Women & Planning Division
 - Commissioner Vice-Chair Neighborhood and Community Engagement Commission – City of Minneapolis
 - Committee Member Capital Long-Range Improvement Committee (CLIC) – City of Minneapolis
 - Mentor: Urban Scholars Program, Humphrey Mentorship Program

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