

# **PEOPLING PHOENIX'S PAST: EXAMINING THE SPATIAL DEMOGRAPHY OF EARLY CENTRAL PHOENIX USING HISTORICAL UNITED STATES CENSUS RECORDS**

# Introduction

•From the late 19<sup>th</sup> Century, Phoenix's northsouth divide, originating along the Southern Pacific Railroad, separated affluent, wellpreserved White neighborhoods from disadvantaged minority communities exposed to a variety of social and environmental injustices (Bolin et. al 2005)

•Census dataset: fine-scale, spatially explicit data to support narratives of racial and economic inequality in early Phoenix

 Secondary aim: tying historical data to contemporary land-use/demographic data as a means to assess the legacy effects of change through a series of individual landholders and institutional actors

•Case study period: 1920-1940

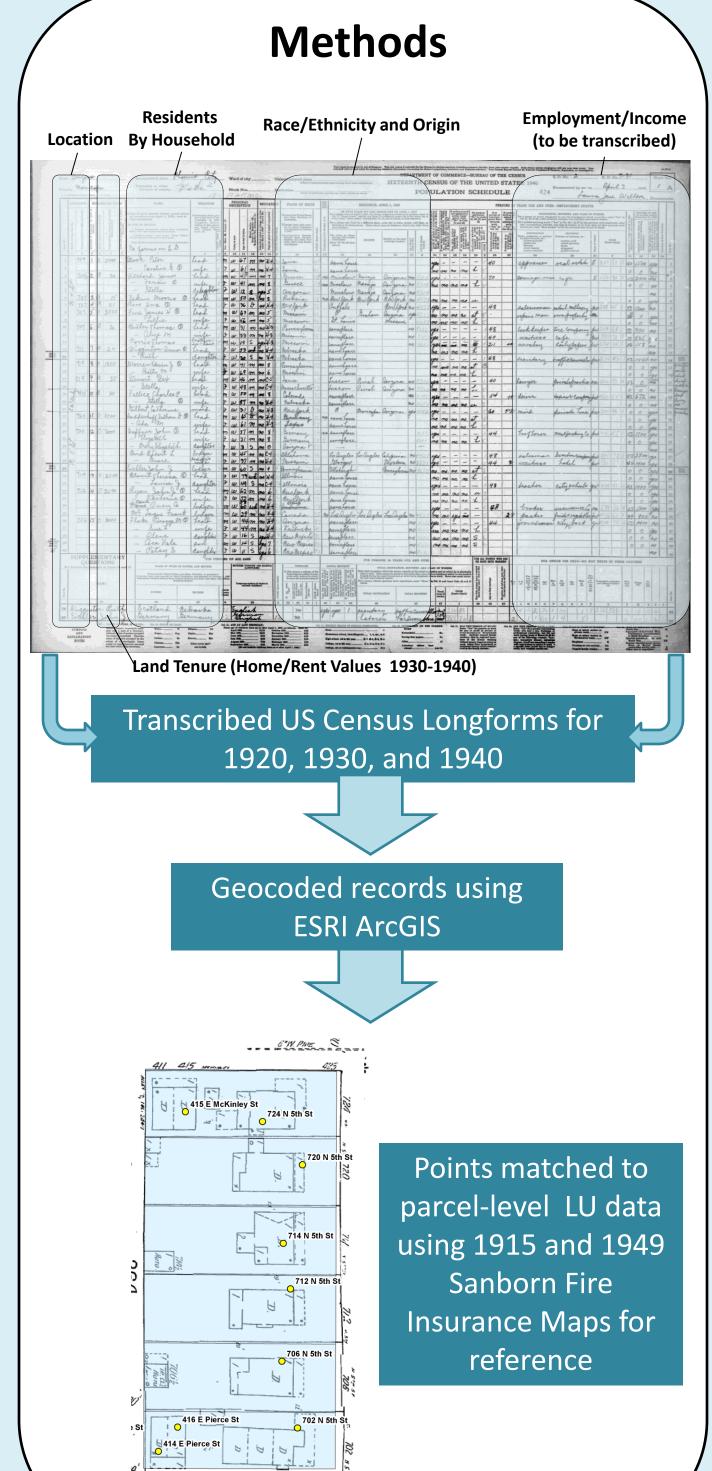
•Case study area: three tracts constituting the majority of the Downtown Phoenix Urban Form project area

•Examining racial/economic inequality during a period of greater urban compactness in Phoenix •Examining causal factors of Phoenix's Postwar downtown decay, vacancy

## **Overview: Central Phoenix Then and Now**

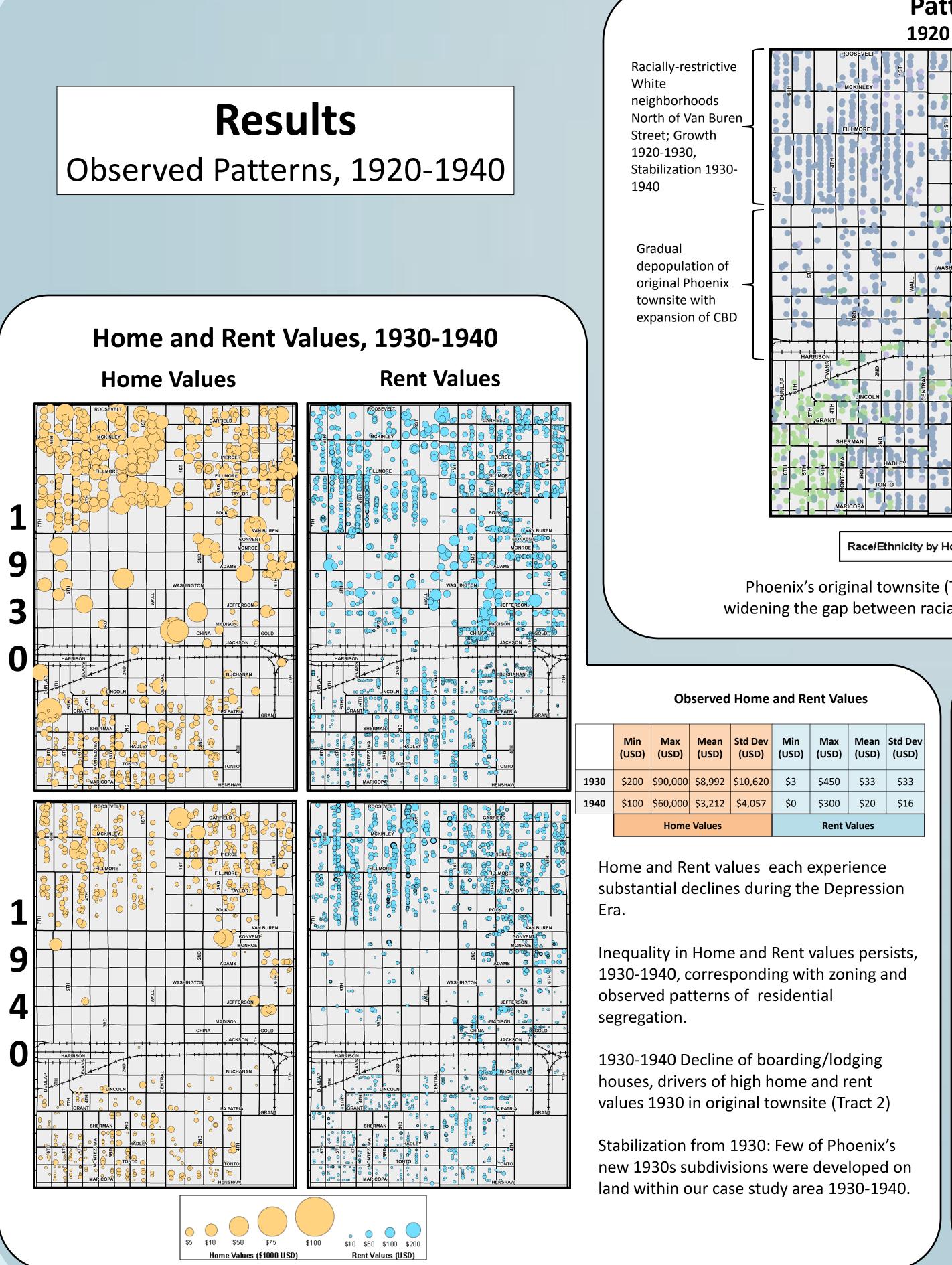


From left: Central Phoenix in 1930, late 1940s, and present day. \*1950-1960 population values estimated.



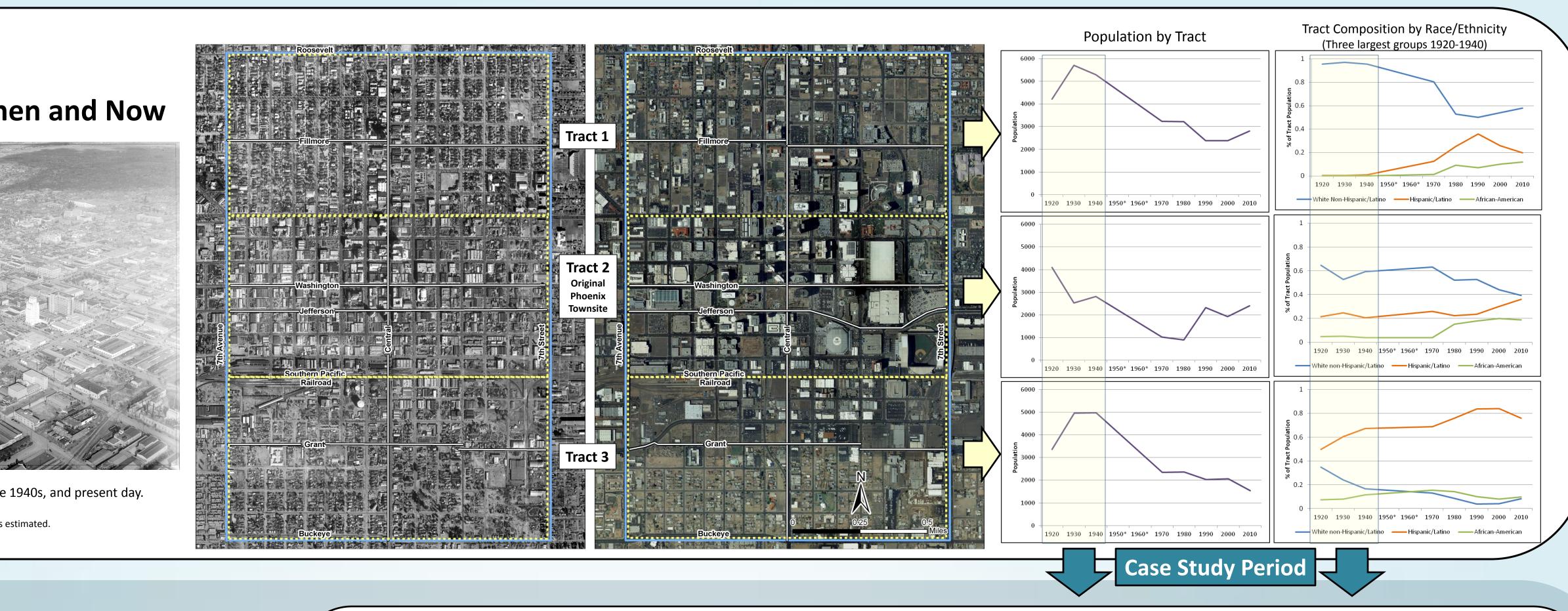
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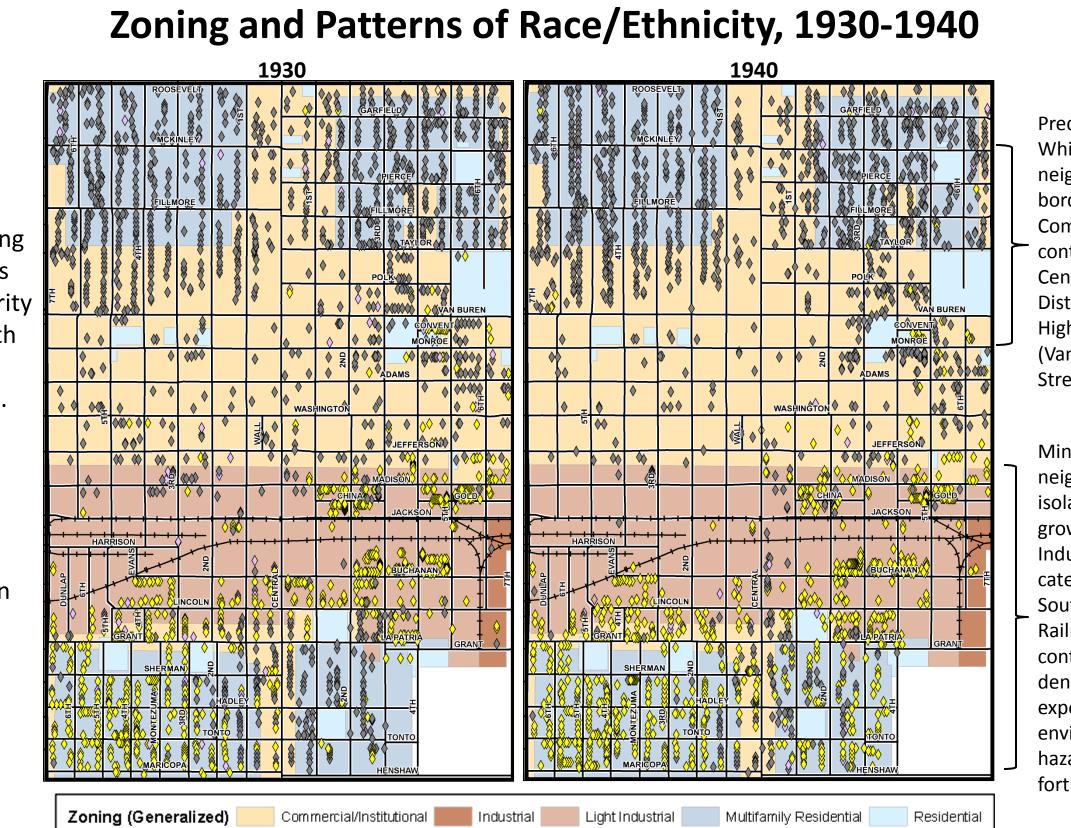
Phoenix's 1930 adoption of zoning further separates White and minority communities with Commercial and Industrial zoning.

Residential segregation intensifies as environmental hazards spread in each of these districts.

Patterns of Race/Ethnicity and Residential Segregation



Phoenix's original townsite (Tract 2, Van Buren St to Washington St) depopulates 1920-1940 with commercial and industrial expansion, widening the gap between racially restrictive White neighborhoods to the north and largely minority-populated neighborhoods to the south.



Race/Ethnicity by Household 🔶 White 🔶 Non-White 🚯 Mixed 众 Other Races

Predominantly White neighborhoods border the Commercial zone containing the **Central Business** District and US **Highway route** (Van Buren Street).

Minority-populated neighborhoods are isolated by the growing Light Industrial district catering to the Southern Pacific Railroad and containing blocks of dense slums exposed to environmental hazards (York et. al, forthcoming)



#### **Key Points**

 Intensification of residential segregation patterns along Phoenix's north-south divide observed 1920-1940 with CBD/Industrial belt expansion

•Consistent north-south socioeconomic **disparity** (home and rent values) observed 1930-1940

•Inequitable zoning: consistently majority-White residential zones sited adjacent to CBD; growing minority residential zones' access to CBD inhibited by Light Industrial/Industrial zones

•Declining property values 1930-1940 amid residential growth outside Case Study Area signal postwar vacation, decay of Downtown **Phoenix** 

#### **Future Directions**

•Joining Census data to historical land-use data (parcels) derived from Sanborn Fire Insurance Maps

•Modeling historical micro-level relationship between population, land-use, and institutions (zoning) in Central Phoenix, with emphases on environmental justice narratives and ecosystem service distribution

•Transcription/analysis of employment and income data in census longforms

•Bridging historical home/rent data with postwar and contemporary datasets

•Further analysis of the influence of neighborhood racially-restrictive covenants, HOLC, Homebuilding industry boom in early Central Phoenix's patterns of spatial inequality

#### Sources

#### **References:**

Bolin B, Grineski S, Collins T. 2005. "The geography of despair: Environmental racism and the making of South Phoenix, Arizona, USA" Research in Human Ecology **12**(2) 156-168

York, A.M., Tuccillo J, Schoon B, Bolin B, and Boone CG. Zoning and Land-Use Fragmentation: A Tale of Incompatibility, Heterogeneity, and Environmental Injustice in Early Phoenix. Journal of Urban Affairs (Forthcoming)

Maps, Imagery and Data: ASU Libraries GIS Data Repository, Maricopa County Flood Control District, ProQuest (HeritageQuest, Digital Sanborn Maps Database), ESRI, Phoenix Urban Research Lab, Neighborhood Change Database, United States Census Bureau

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