

City of Jackson Team Members

- City of Jackson City Council President Virgi Lindsay
- City of Jackson Planning Department Travis Crabtree
- City of Jackson Public Works Anthony Harkless
- City of Jackson Attorneys Office Ashley McLaughlin
- Pearl Riverkeeper Abby Braman

Key Water Challenges – City of Jackson

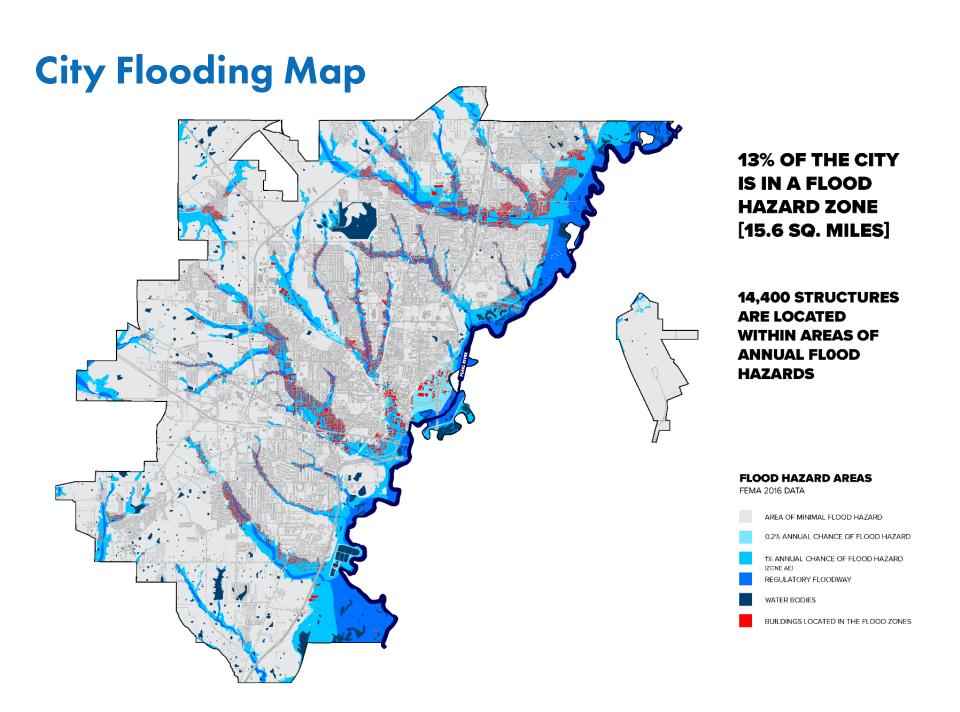
- Please briefly describe the central water-related challenges facing your city.
 - The city of Jackson floods frequently largely due to planning mistakes related to building within the floodplain and supporting car-oriented development patterns that create high amounts of impervious paved infrastructure.

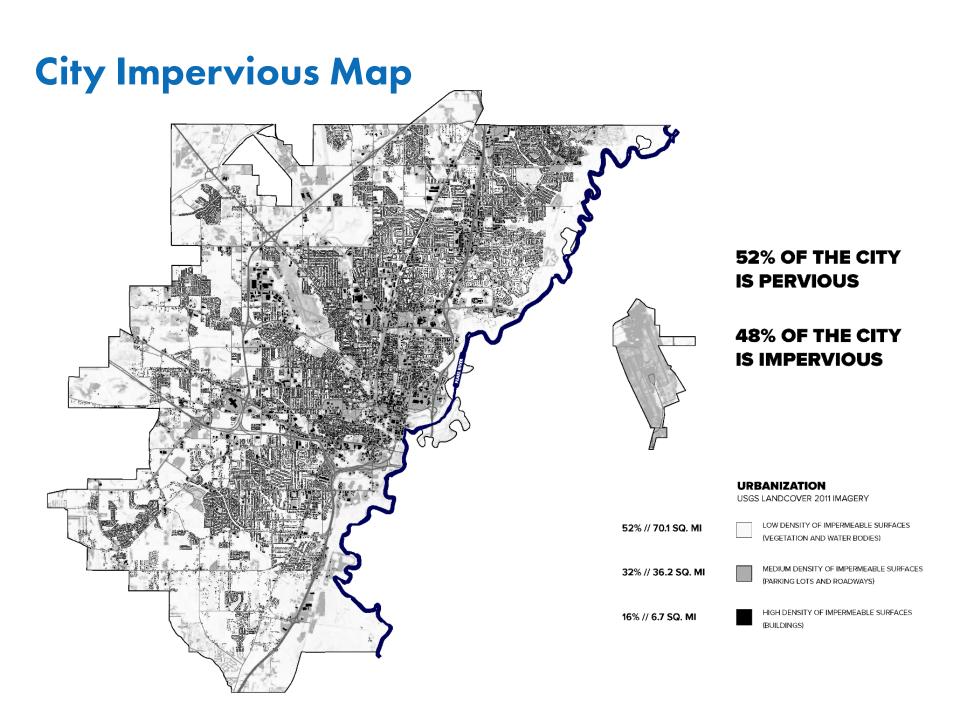
City Context Map WEST JXN DOWNTOWN

LAND SIZE 113 SQ. MI

CITY
POPULATION
166,000 PEOPLE

METRO
POPULATION
576,382 PEOPLE





Climate Challenges – City of Jackson

- How is climate change exacerbating the water challenges your city is facing?
 - Climate change is increasing rainfall frequency and flash flooding in the city. Jackson's stormwater piping system isn't sized to handle the increased runoff.



Urban Flooding in City of Jackson

- Insert brief notes on flooding in your city. This may include what kind of flooding occurs, where, how often, what it looks like, or other characteristics.
 - Intense flooding occurs several times each year. The two types of areas that are frequently flooding are ones against the Pearl River and creek systems or in areas with large amounts of paved surface.

City Hydrology Map HANGING MOSS CREEK 100 + **TRIBUTARIES EUBANKS CREEK** 9 STREAMS CITY OF JACKSON POTABLE WATER PLANT **1 RIVER** TOWN CREEK **HYDROLOGY SYSTEM** MARIS 2017 DATA INTERMITTENT STREAMS PERENNIAL STREAMS PEARL RIVER SAVANNAH WASTEWATER PLANT WATER BODY LOW ELEVATION HIGH ELEVATION

Equity Challenges in City of Jackson

- What ways do you see flooding and climate change impacting low-income people, communities of color, and other vulnerable populations?
 - Increased flooding is destroying homes in low income communities. Most low income communities housing types are wooden shotgun homes. Excessive water damage is causing the homes to mold which is extremely unhealthy for children and adults.
 - Are the impacts spatially distributed in an inequitable manner? Are their particular neighborhoods of concern?
 - Flooding actually occurs in extremely affluent neighborhoods and low income neighborhoods. The ratio is surprisingly almost equal.

City Median Family Income LOWEST MEDIAN FAMILY INCOME LEVELS ARE CONCENTRATED IN THE CENTER **OF THE CITY MEDIAN FAMILY INCOME** ACS 2015 5YR ESTIMATES LOWEST INCOME LEVEL \$15K - \$30K \$30K - \$50K \$50K - \$160K HIGHEST INCOME LEVEL

2019 Flash Flooding





1979 Easter Flood



Highlights from Your Site Visit

- Site Location: Belhaven Heights Neighborhood
- Demographics Information:
 - Median Age 31.8
 - Median Family Income \$30,721
 - Race 52% White / 47% Black
- Mixed income neighborhood
- High population density / Multi family housing
- Touches 2 creeks and the Pearl River
- Public space investment already occurring (Museum to Market Trail)
- City of Jackson land ownership
- Variety of Non Profit actors in the neighborhood

Site Location

SITE LOCATION

- + MIXED INCOME NEIGHBORHOOD
- + HIGH POPULATION DENSITY
- + TOUCHES 2 CREEKS AND THE PEARL RIVER
- + HAS PUBLIC SPACE INVESTMENT ALREADY OC-CURING (MUSEUM TO MARKET TRAIL)
- + CITY OF JACKSON LAND OWNERSHIP
- **+ VARIETY OF NPO PARTNERS**
- SITE LOCATION

FLOOD HAZARD AREAS

FEMA 2016 DATA

AREA OF MINIMAL FLOOD HAZARD

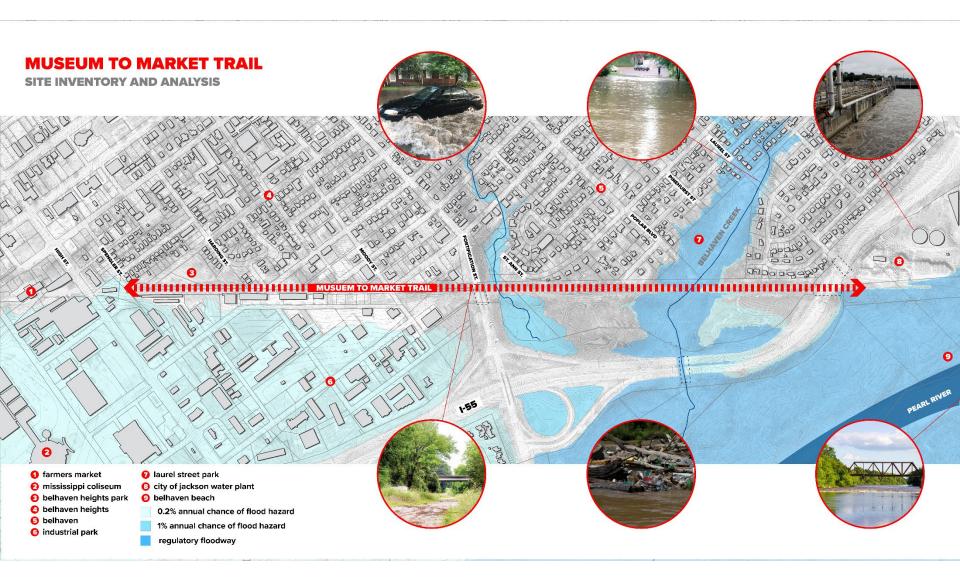
0.2% ANNUAL CHANCE OF FLOOD HAZARD

1% ANNUAL CHANCE OF FLOOD HAZARD (ZONE AE)

REGULATORY FLOODWAY

WATER BODIES

BUILDINGS LOCATED IN THE FLOOD ZONES



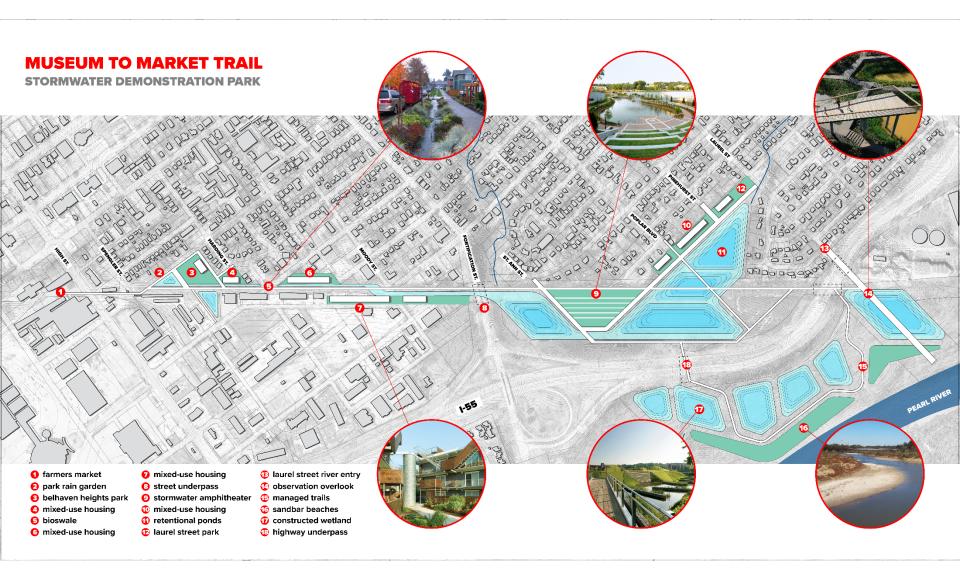






Site Visit and Conclusions

- Can we create developments within the city that use flooding as an asset?
- Jackson has no examples of creative green infrastructure interventions in the city.
- We thought it would be useful to take this opportunity to imagine what a creative stormwater approach to flooding could look like.



Thank you!

For more information:

Presenters
Travis Crabtree – tcrabtree@jacksonms.gov
www.jxnplanning.com

Abby Braman – abbybraman@gmail.com www.pearlriverkeeper.com

Anthony Harkless – aharkless@jacksonms.gov www.jacksonms.gov

Ashley McLaughlin – amclaughlin@jacksonms.gov www.jacksonms.gov