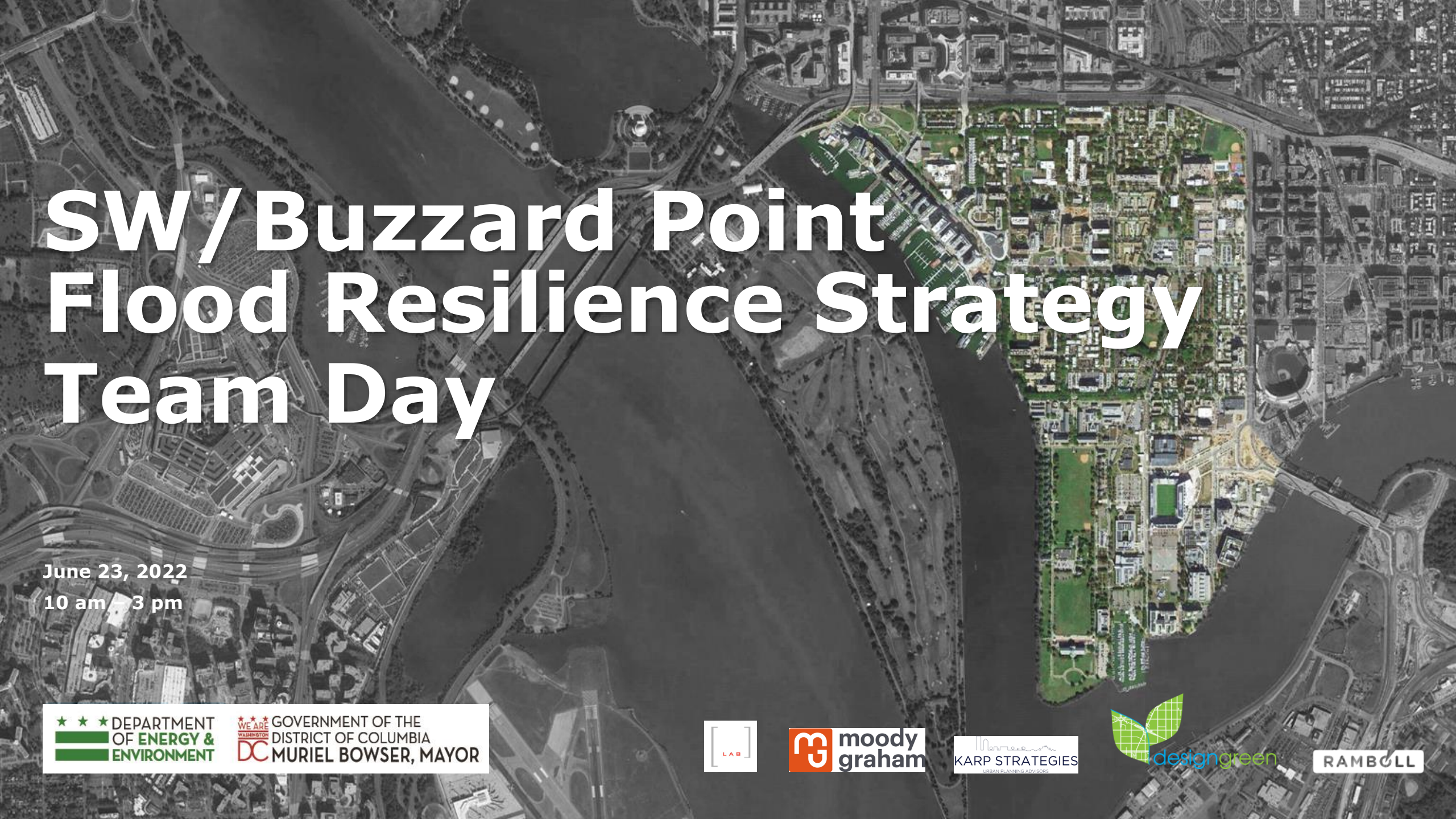


SW/Buzzard Point Flood Resilience Strategy Team Day

June 23, 2022
10 am – 3 pm

DEPARTMENT OF ENERGY & ENVIRONMENT
GOVERNMENT OF THE DISTRICT OF COLUMBIA
MURIEL BOWSER, MAYOR

LAB
moody graham
KARP STRATEGIES
URBAN PLANNING ADVISORS
designgreen
RAMBOLL

Agenda

10.00-10.15	Welcome & introductions
10.15-10.25	Purpose of today & BGI examples
10.25-10.40	Q&A
10.40-11.50	Community mapping
11.50-12.00	Wrap-up

We'll stay around for a coffee ☺

10.15-10.25

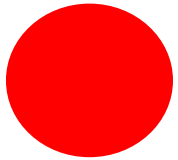
Purpose of today

Connect

Inform

Listen

We take pictures



…but if you dont want your picture taken put on a red sticker

Visit these posters

Thoughts?

Who’s missing today?

10.00-10.15

Welcome & introductions

Project team and introductions

DEPARTMENT OF ENERGY & ENVIRONMENT

- Meredith Upchurch, PE, ASLA, SITES AP, Associate Director, Regulatory Review Division
- Nicholas Bonard, Branch Chief, Floodplains, Wetlands, and Groundwater, Regulatory Review Division
- **Andrea Limauro**, Environmental Protection Specialist and **Project Manager**
- Benita Lily Cheng, LEED AP, CPHD, Environmental Protection Specialist

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URBAN PLANNING ADVISORS

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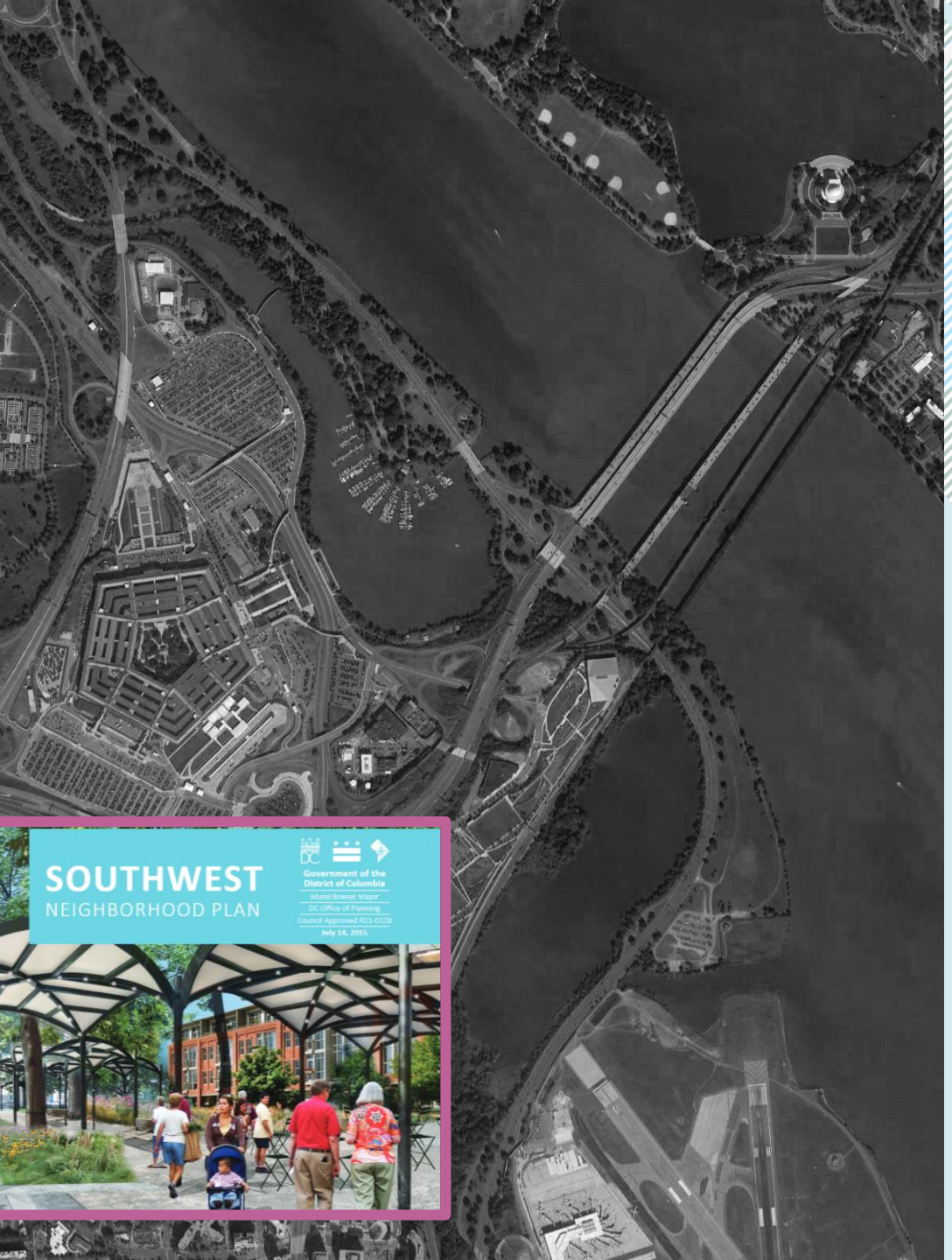
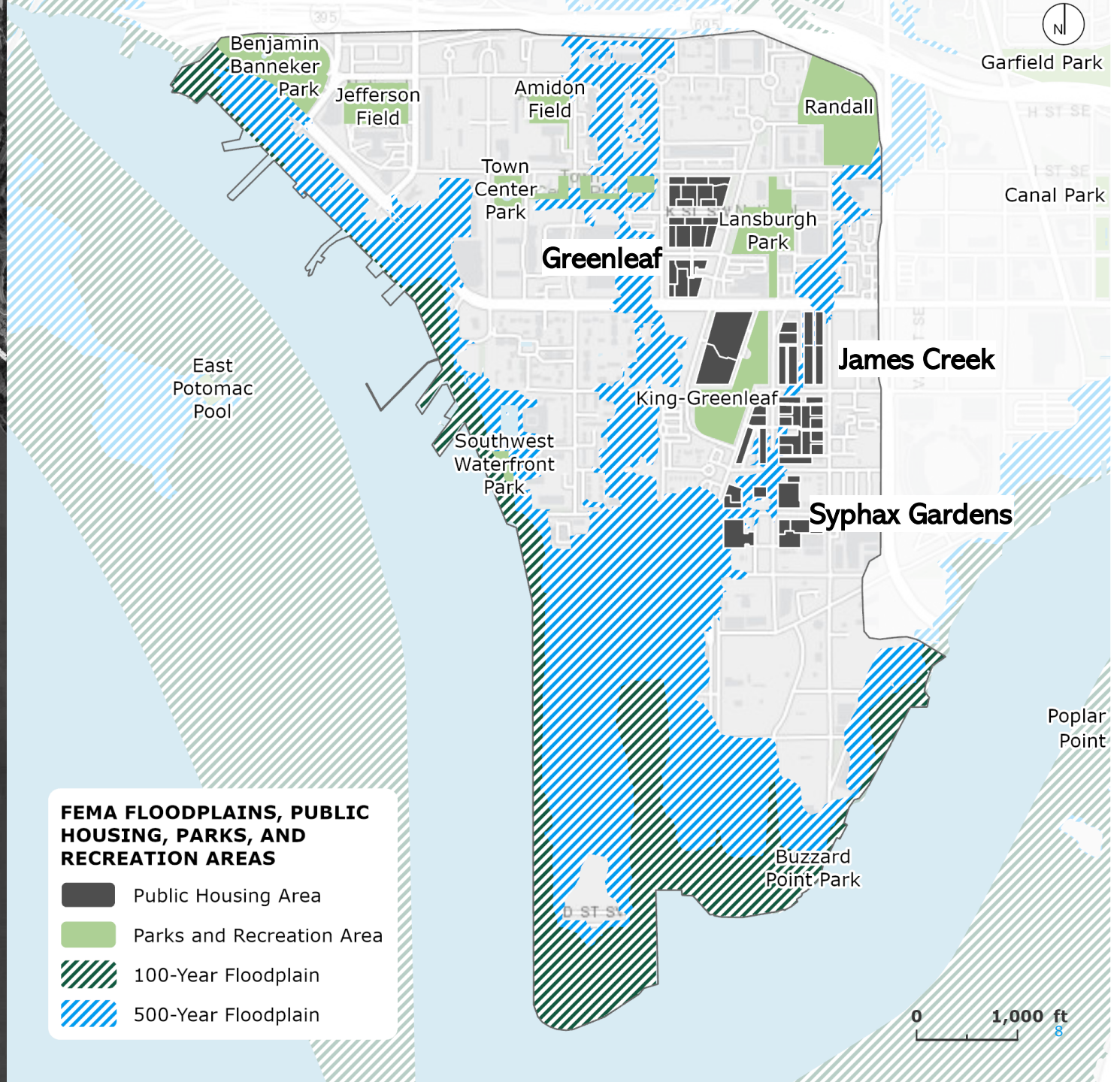
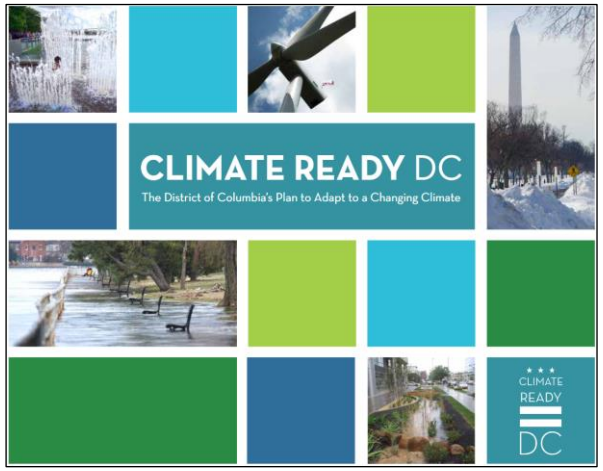
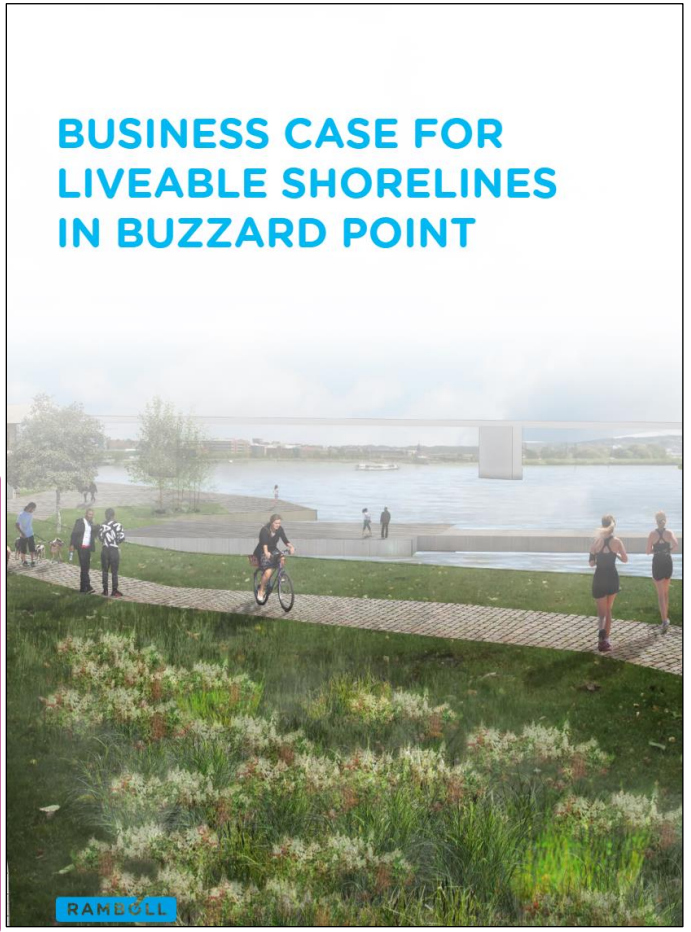
moody graham


SOUTHWEST
NEIGHBORHOOD PLAN
Government of the District of Columbia
Muriel Bowser, Mayor
DC Office of Planning
Council Approved R21-0128
July 14, 2015

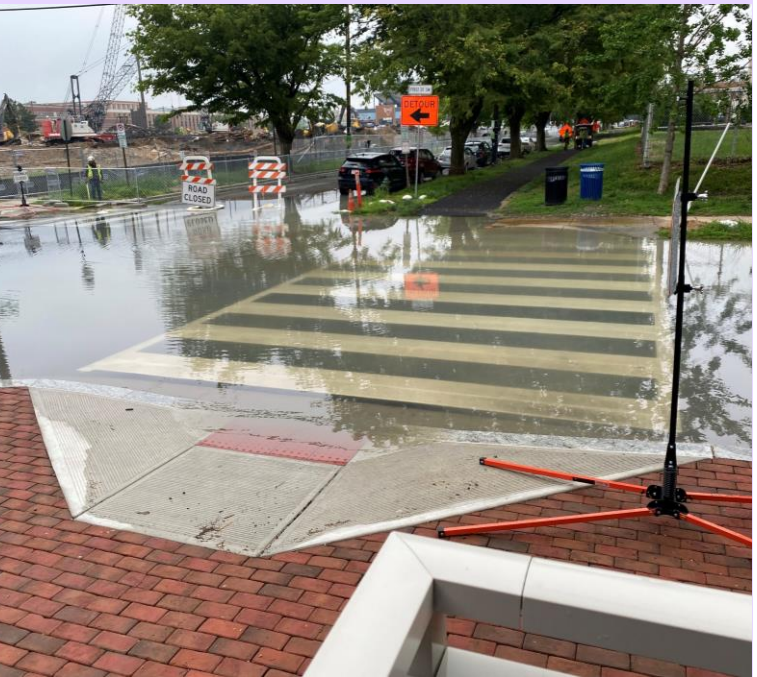

Benjamin Banneker Park
Jefferson Field
Amidon Field
Randall
Garfield Park
Canal Park
Town Center Park
Lansburgh Park
Greenleaf
James Creek
East Potomac Pool
King-Greenleaf
Southwest Waterfront Park
Syphax Gardens
Poplar Point
Buzzard Point Park
FEMA FLOODPLAINS, PUBLIC HOUSING, PARKS, AND RECREATION AREAS
Public Housing Area
Parks and Recreation Area
100-Year Floodplain
500-Year Floodplain
0
1,000 ft

Planning Background





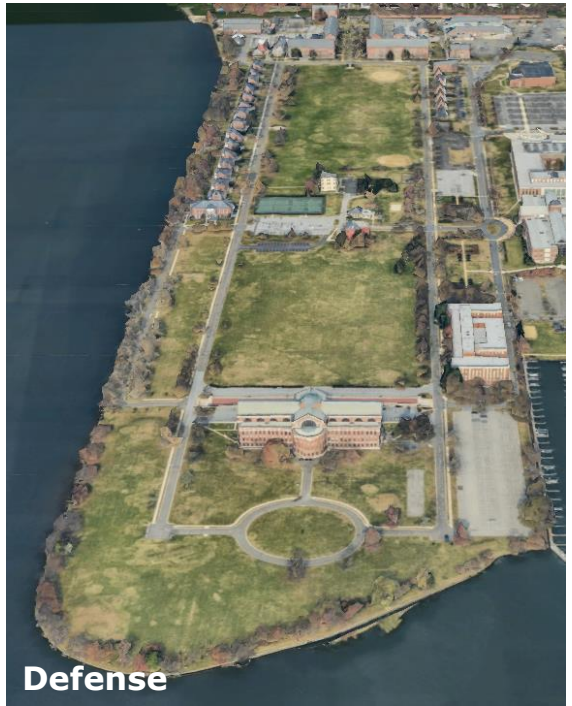
Interior flooding is also a threat and a frequent nuisance



Increased flooding creates a need to protect vulnerable populations and critical infrastructure.

Green Leaf Public Housing

James Creek Public Housing


Defense

Utilities

Emergency Response

Project Objectives

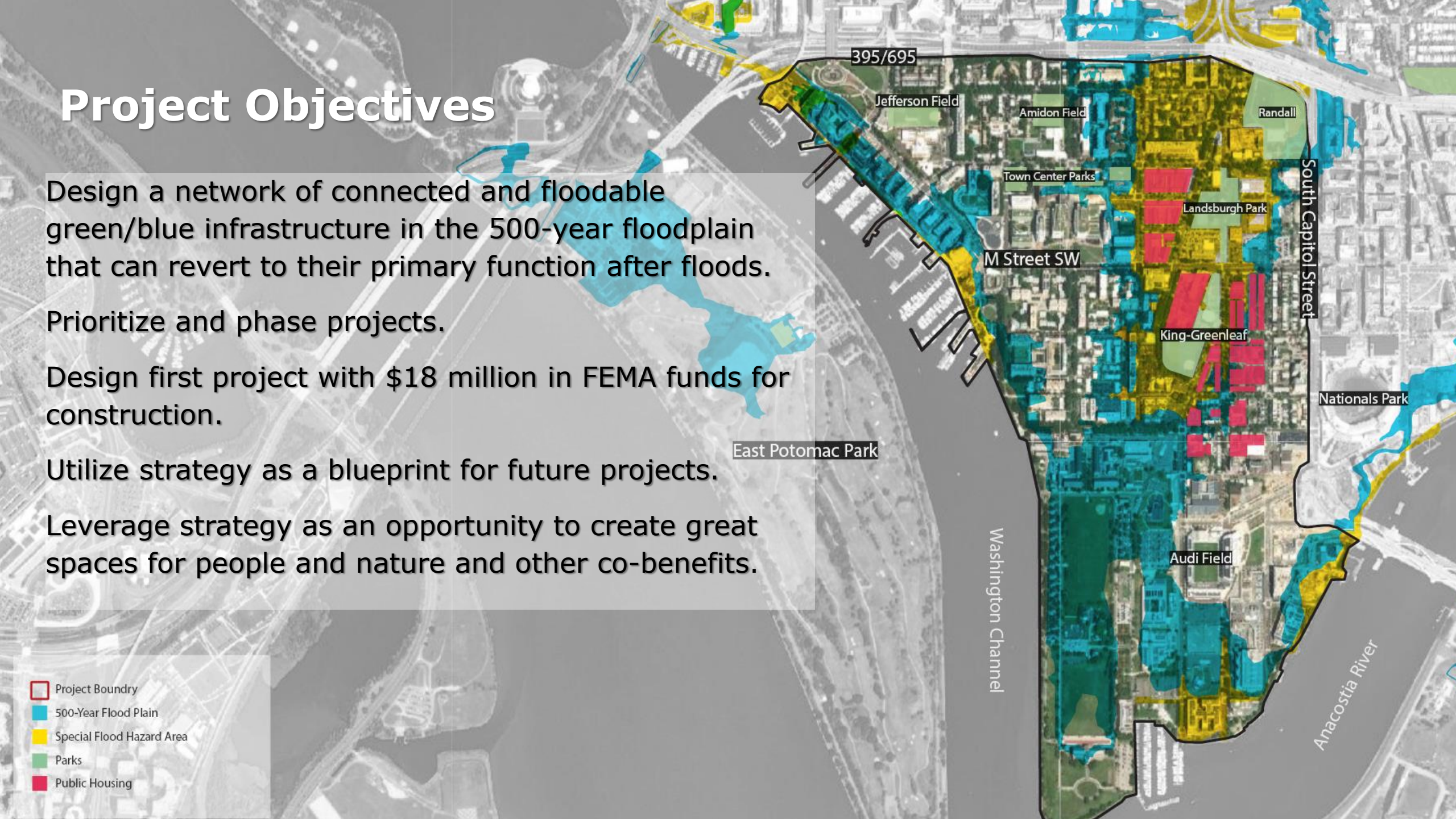
Design a network of connected and floodable green/blue infrastructure in the 500-year floodplain that can revert to their primary function after floods.

Prioritize and phase projects.

Design first project with $18 million in FEMA funds for construction.

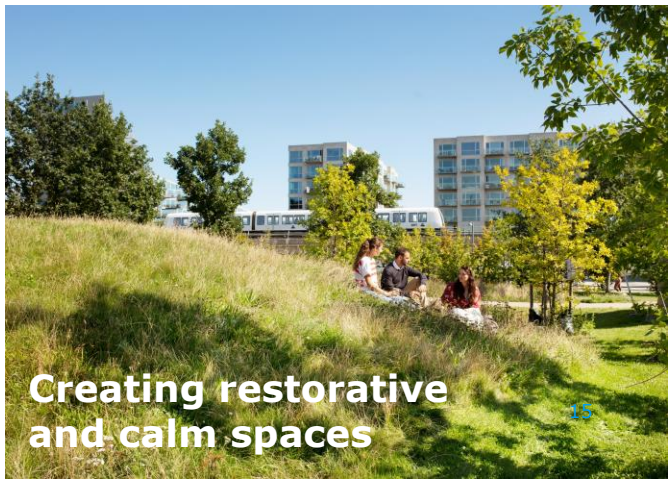
Utilize strategy as a blueprint for future projects.

Leverage strategy as an opportunity to create great spaces for people and nature and other co-benefits.



The Strategy will reshape open spaces in the neighborhood to reduce rainwater-driven flooding

Upgrading physical infrastructure goes hand in hand with increasing the quality of urban spaces



Project summary

Design a network of connected, floodable, multipurpose projects to accommodate excess stormwater

And that can easily revert to their primary function.

1. Existing Conditions Analysis
2. Flood Modeling
3. Parks, Plazas, Streetscapes and Rights-of-Way typologies and Design Guidelines
4. Community-wide open space plan
5. Cost-Benefit Analysis and financing strategy
6. Concept Design for a pilot area “Phase One” of the Network

You'll be part of the project from start to end

LISTEN
May - August

Design
September - October

Pilot
February - March

Listen (Summer '22)

Input from you with respect to concerns about flooding and aspirations around open space, nature, and recreation.

Feedback (Fall '22)

Review and feedback on the first project draft, identify synergies to community aspirations and challenges.

Pilot (Winter '23)

Co-design the Phase One pilot project to foster community ownership.

Questions?

Your contact person

Andrea Limauro
(Pronouns: he/him/his)

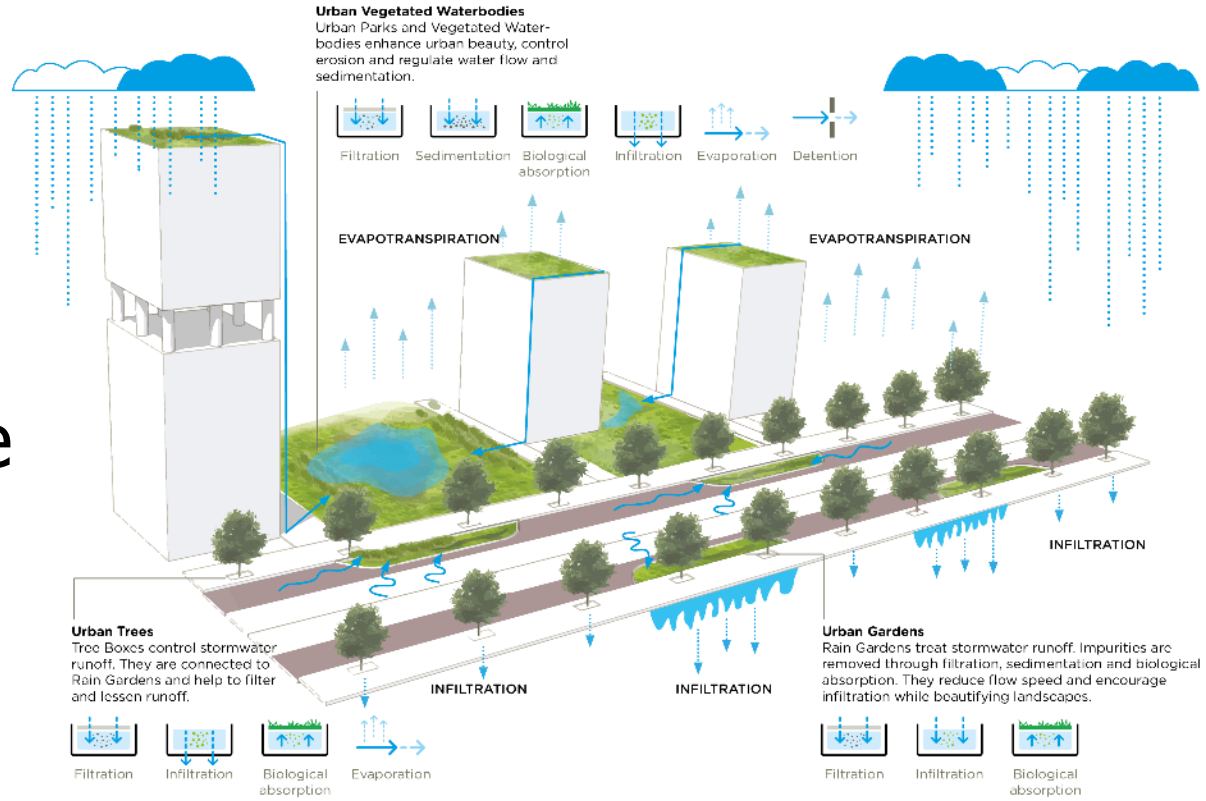
Environmental Protection Specialist
Department of Energy & Environment

ANDREA.LIMAURO@DC.GOV

www.doee.dc.gov

BGI Concept

Blue-Green Infrastructure (BGI) connects urban hydrological functions (blue) with vegetation systems (green) and offers valuable solutions mitigating the effects of climate change.



BGI Principles

The BGI solutions will be designed to convey stormwater and/or to detain stormwater.

They will be designed according to its location in the catchment (upstream/downstream), and the local context.

CONVEYANCE

- Conveyance paths on terrain are designed for conveyance of water through the public realm
- Conveyance paths can vary from small temporary streams to large channels depending on necessary capacity

DETENTION

- Detention areas are urban spaces designed to reduce peak stormwater flow
- Detention areas can be in the form of permanent waterbodies or designed for temporary storage during extreme wet weather events

Stuttgart

Kong Hans Alle

Carlsberg

Carlsberg

Potzdamer Platz

Bishan Park

BGI Hierachy

Chicago City Hall

Downsview Park

Lundbeck Corporate Campus

Downsview Park

Daily Events → **Extreme Events**

Freiburg Permeable Plaza

Ringsted City Square

Ringsted City Square

Kokkedal School Yard

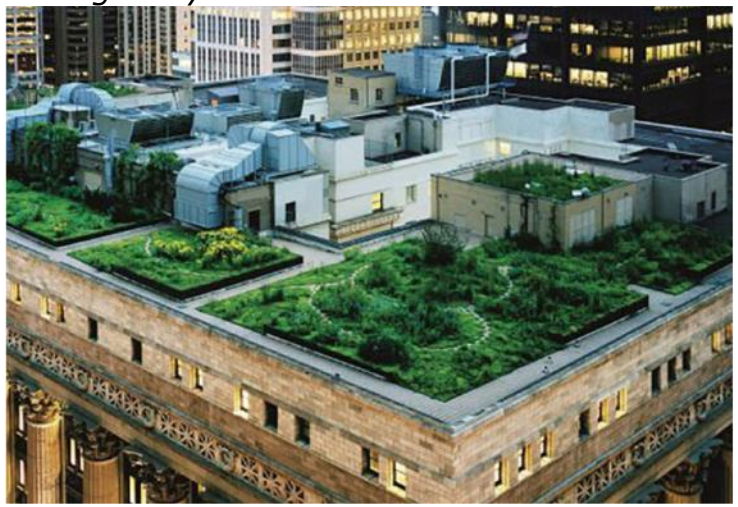
Majority of stormwater managed locally within the development parcels through green roofs, permeable surfaces and green infrastructure

Small scale interventions that are integrated in the urban landscape to convey and provide storage for large events

Controlled and temporary flooding of Parks and open spaces during more extreme rain events

Site-wide BGI features

Chicago City Hall Green Roof



Freiburg Permeable Plaza

Carlsberg City

Street-scape BGI

Ringsted City Square

Stuttgart Neighborhood Path

Ramboll Head Office Public Park

Kokkedal School Yard

Park BGI

Carlsberg City Plaza

Punggol Waterway Ridges

Benløse Neighborhood Park

Tanner Springs

10.25-10.40

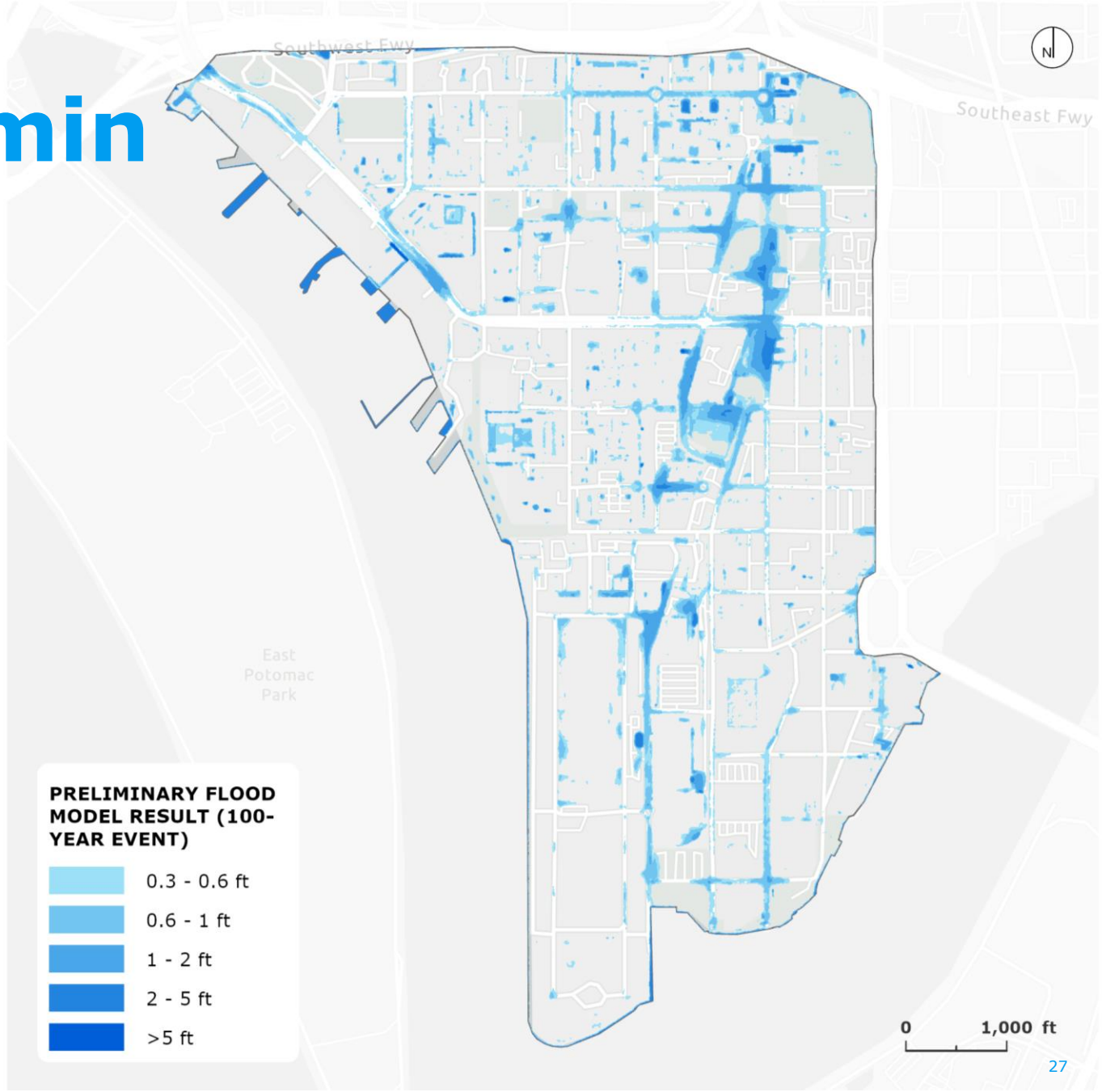
Q&A

10.40-11.50

Community Mapping

Where does it flood when it rains?

15 min



Opportunities & challenges

5 min

Write 1-2 community opportunities/challenges on post-it's – put them on the wall

15 min

Which pattern do we see?

Mapping

20 min

Map the opportunities, challenges and **BIG** ideas

Wrap-up

15 min

11.50 – 12.00

Next steps

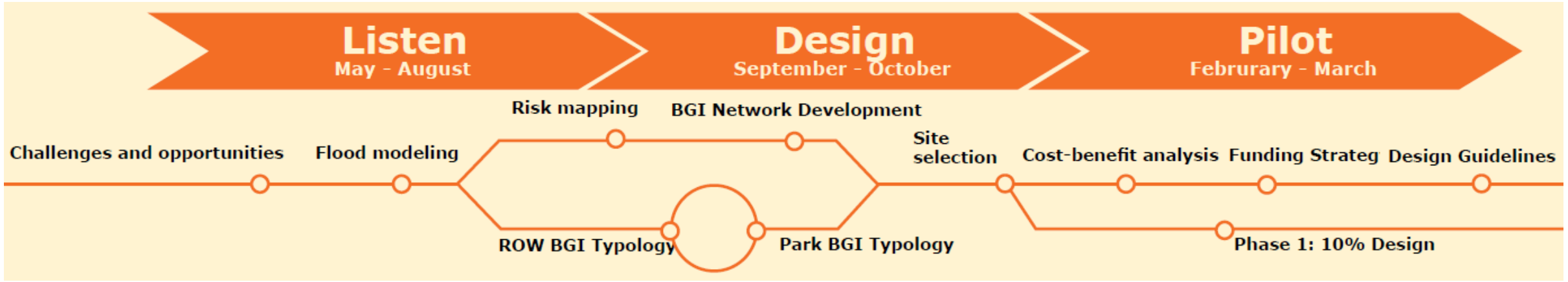
First round of engagement

Ongoing Community Survey

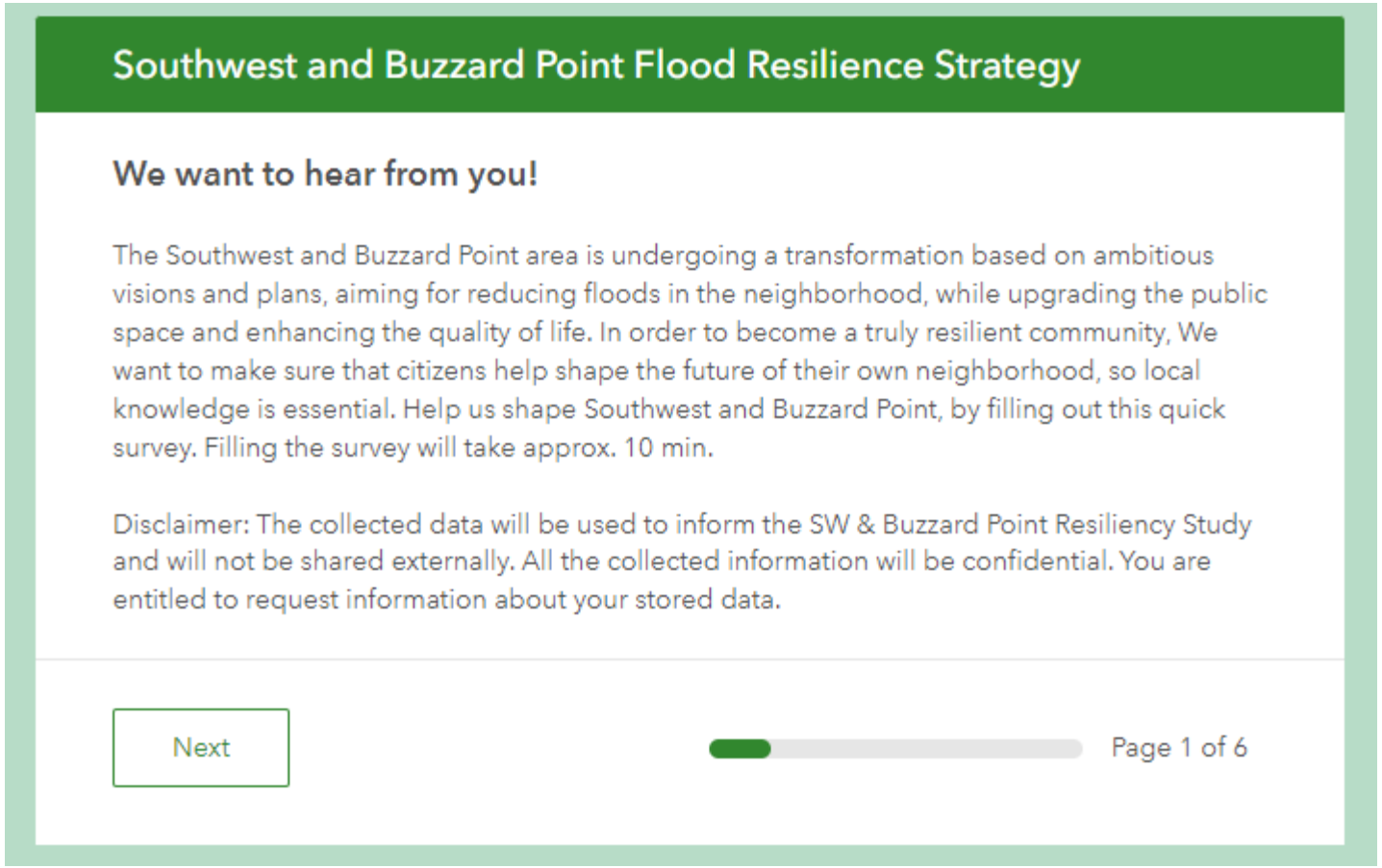
Thursday June 23	Friday June 24	Saturday June 25	Sunday June 26	Monday June 27	Tuesday June 28
	Civic Group Representatives	The Broader Community		Inter-agency Stakeholders	Private Property Owners
Team Day	Workshop Listen	Kick-off Festival		Workshop Baseline	Introductory meeting
Whole day workshop for the entire team	Input from the community with respect to concerns and aspirations for their neighborhood.	Understanding the challenges and opportunities from the point of view of the broader community (Gallery, music, food and workshops with the community)		Map key assets in the project area, define vulnerabilities, and discuss overall challenges and opportunities.	Understanding the challenges and opportunities from the point of view of the Private Property Owners

Next steps

See you again in the fall



Respond to the survey



https://arcg.is/1D8ynW

Come to the Flood Fest tomorrow

Thank you!

RAMBØLL

Bright ideas.
Sustainable change.