



BOWIE-MITCHELLVILLE
AND VICINITY
MASTER PLAN

NATURAL ENVIRONMENT
COMMUNITY CHAT
October 8, 2020

Thomas Lester
Project Manager
Community Planning Division
M-NCPPC





HOW TO PARTICPATE - TEAMS

- This meeting will be recorded and shared on the website
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- If you have a comment or question, raise your hand or type it in the chat
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MUTE/UNMUTE

RAISE/LOWER HAND

OPEN MEETING CHAT





MEET THE TEAM

Bowie-
Mitchellville
& Vicinity
Master Plan



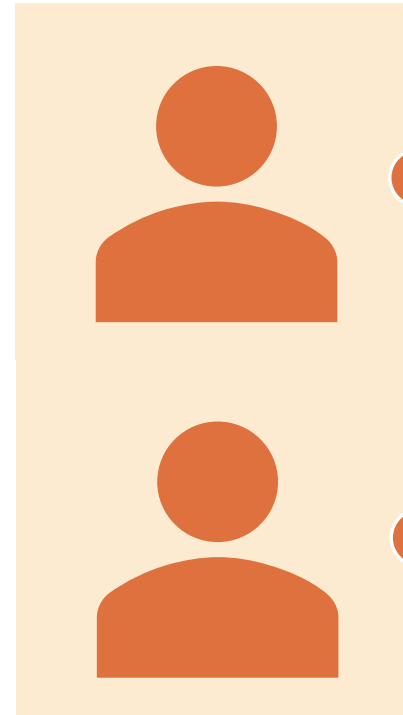
Thomas Lester,
Project Manager



Andrew McCray,
Deputy Project
Manager



Brian Byrd,
Team Member



Kim Finch,
Resource Team,
Countywide
Planning

Kenny Turscak,
UMD Graduate
Intern



AGENDA - OCTOBER 8, 2020



Project & Natural
Environment Overview based
on Existing Conditions
Report







Q&A




Upcoming Events

PROJECT SCHEDULE SUMMARY


 February 2020 – September 2020


 February 18, 2020


 Planning Board
Initiation

COMPLETE

 June 13, 2020


 Public Kickoff


COMPLETE

 August 27, 2020

 Draft Existing
Conditions
Report

COMPLETE

 September 16, 2020



 Draft Existing
Conditions Report
Presentation

COMPLETE

PROJECT SCHEDULE SUMMARY CONT.



 **October 2020 – Fall 2021**

 **Sept. - Oct. 2020**
 Community Chats
HERE

 **November 2020**
 Playbook of Strategies Presentation
UPCOMING

 **Summer 2021**
 Permission to Print Draft Master Plan



 **Fall 2021**
 Joint Public Hearing

PROJECT SCHEDULE SUMMARY CONT.

 December 2021 – May 2022



 December 2021
 Planning Board Adoption

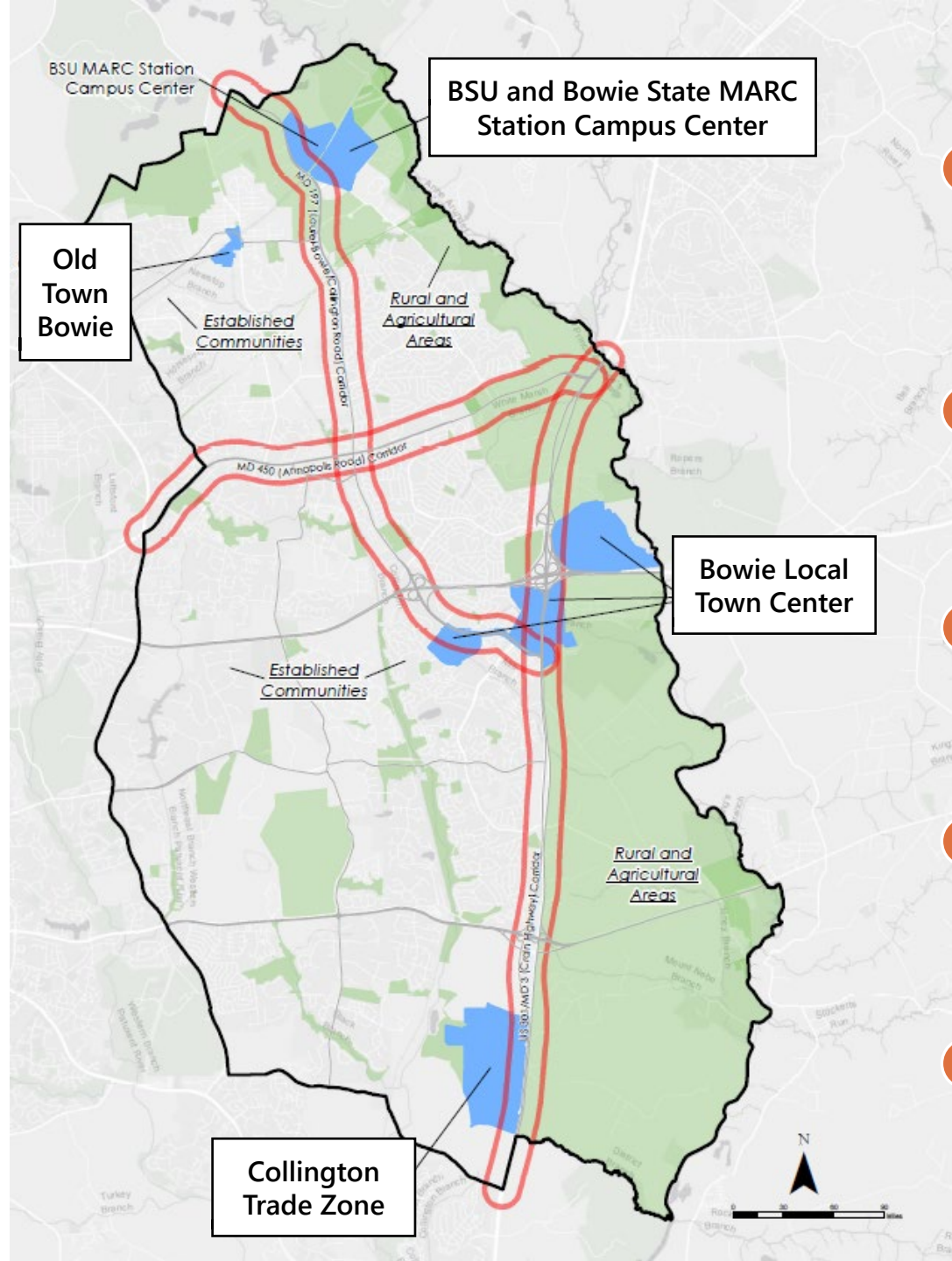
 January 2022
 Council Work Session

 February 2022
 Council Approval

 May 2022
 Approval with 2nd Joint Public Hearing



FOCUS AREAS & CORRIDORS



- Bowie State University and Bowie State MARC Station Campus Center
- Old Town Bowie
- Bowie Local Town Center
- Collington Trade Zone
- Corridors MD 197, MD 450, & US 301/MD 3



MASTER PLAN OVERVIEW



- Shared long-term vision with policies & strategies

- Implement Plan 2035

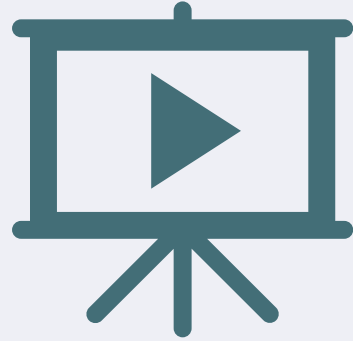
- Provide policies and strategies for implementation

- Replaces the 2006 master plan and 2010 sector plan

- Identify and analyze existing conditions



DRAFT EXISTING CONDITIONS REPORT & PRESENTATION



- Watch the presentation on our website

- Read the breakout group summary

- Visit the website & comment and download the PDF

Visit our website

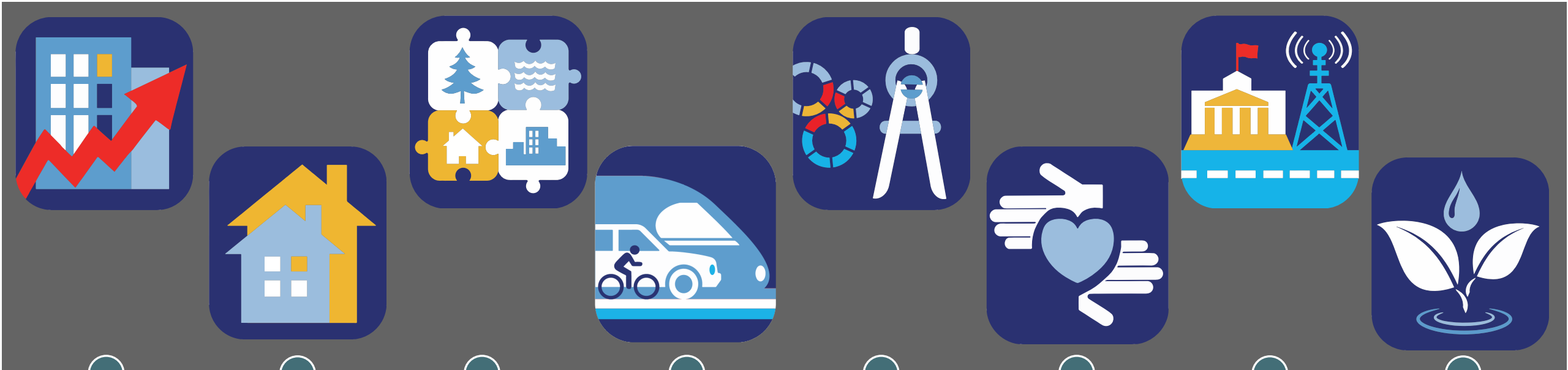
<https://www.mncppc.org/3390/Bowie-Mitchellville-Master-Plan>

Download Existing Conditions Report

<https://bowievicinity.konveio.com/draft-existing-conditions-report>



MASTER PLAN ELEMENTS



Economic
Prosperity

Housing
&
Neighborhoods

Land Use

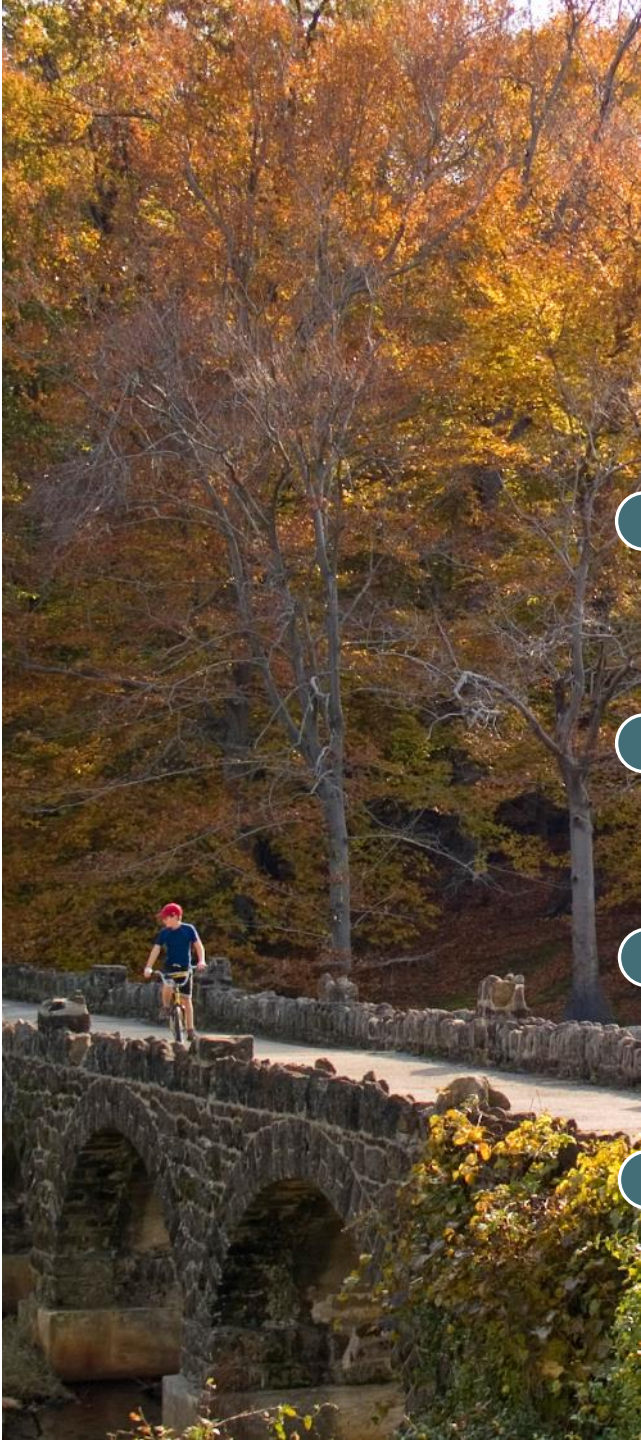
Transportation
&
Mobility

Community
Heritage,
Culture &
Design

Healthy
Communities

Public
Facilities

Natural
Environment



NATURAL ENVIRONMENT

- Watershed
- Green infrastructure
- Forest & tree canopy
- Stormwater
- Soils
- Noise, air & light pollution



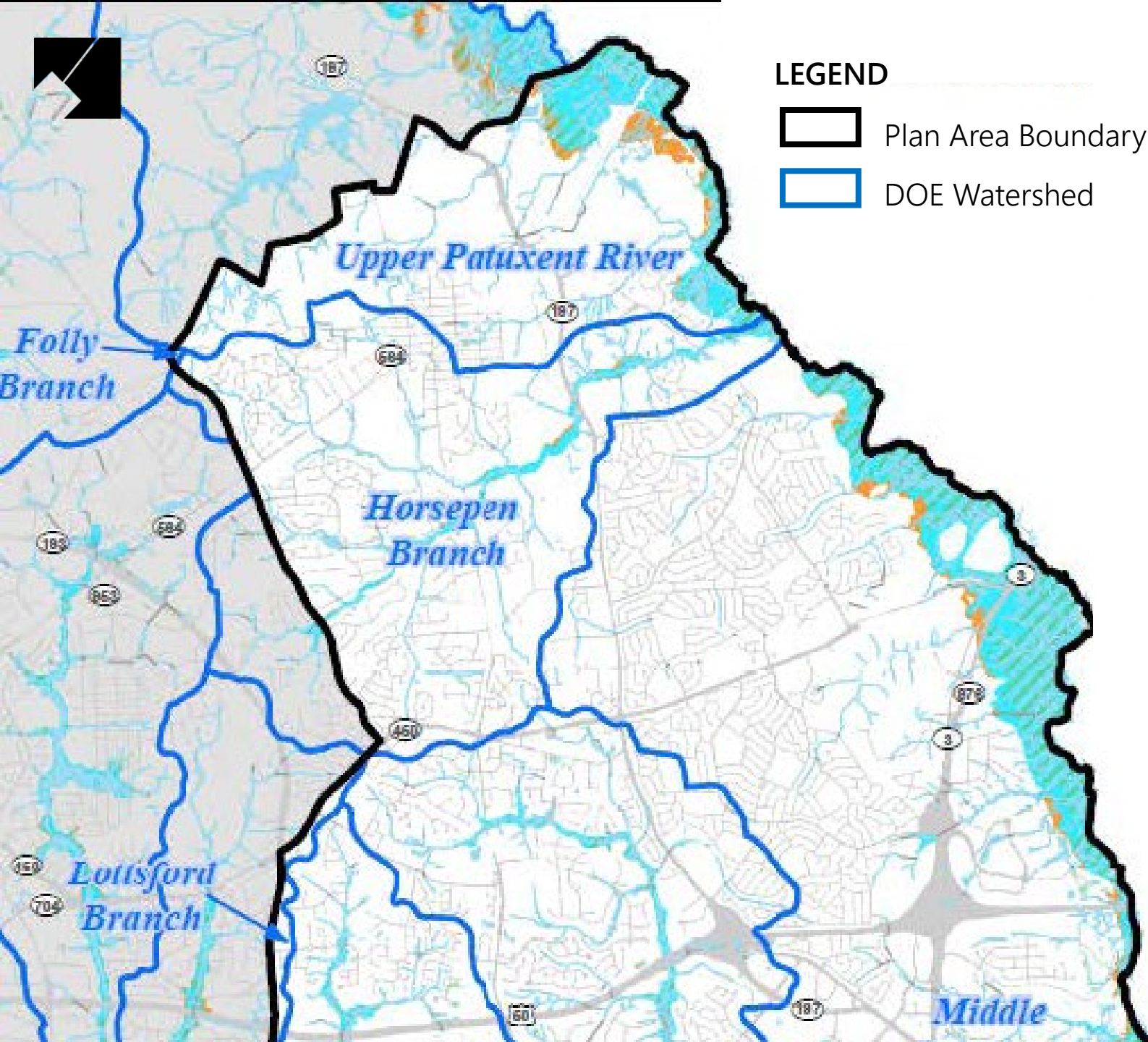


NATURAL ENVIRONMENT



WATERSHED & GREEN INFRASTRUCTURE





- Master plan area lies within 9 watersheds in the Patuxent River basin; 29% of County land area
- 400 miles of known streams, 2,175 acres of known wetlands (6%), and 2,946 (7%) acres of FEMA floodplain
- Approximately 180 acres of Wetlands of Special State Concern
- About 25,000 acres or 66% of the master plan area are within the 2017 Green Infrastructure Network



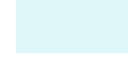

LEGEND

-  Plan Area Boundary
-  DOE Watershed



Floodplain (FEMA-2016)

-  1% Annual Chance Flood Hazard
-  0.2% Annual Chance Flood Hazard

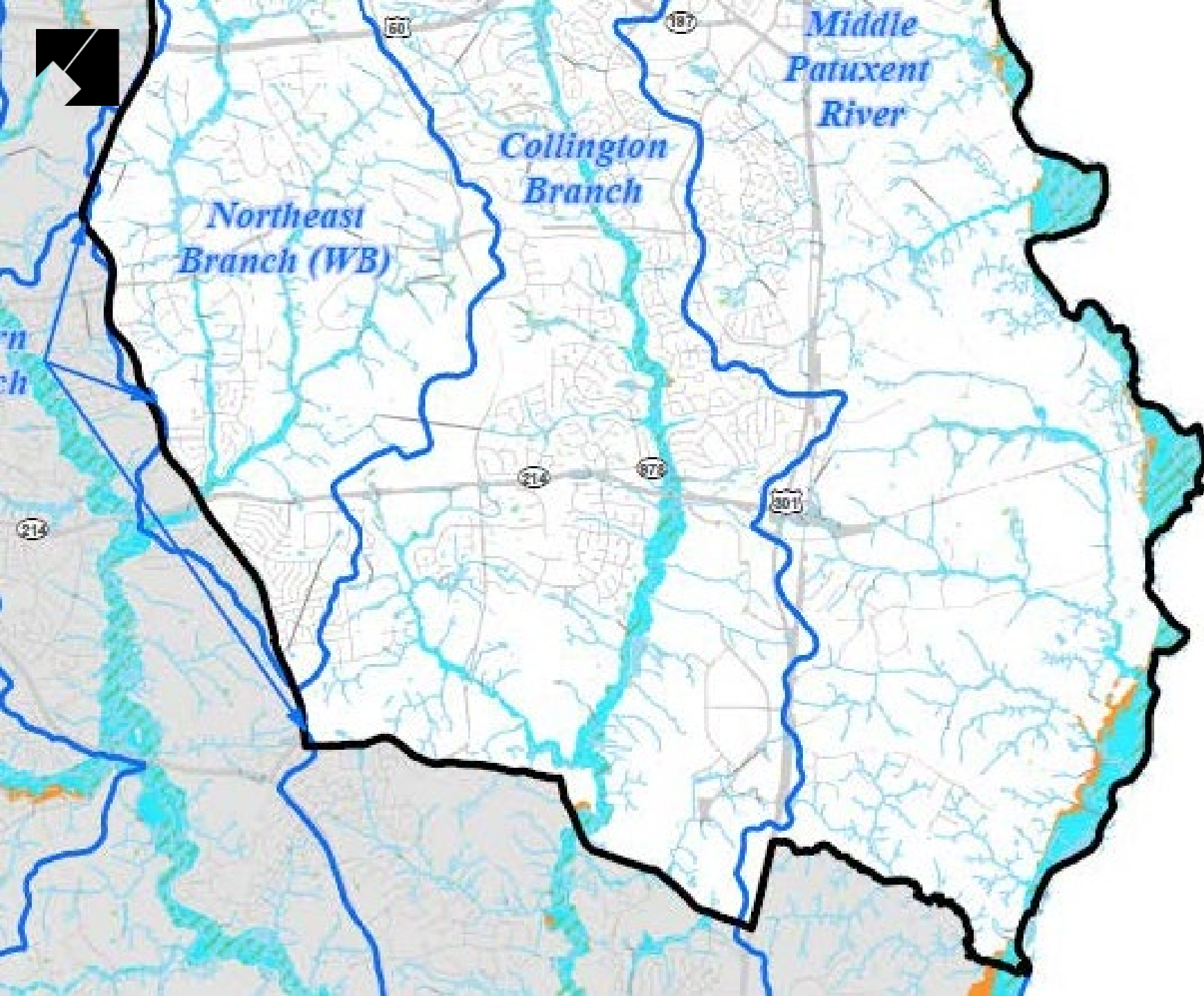
Hydrology

-  Known Wetland (MD DNR)
-  Known Water Bodies





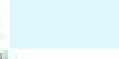



Known Stream Features

-  Drainage Connector
-  Stream

NATURAL ENVIRONMENT FLOODPLAINS



LEGEND

-  Plan Area Boundary
-  DOE Watershed
- Floodplain (FEMA-2016)**
 -  1% Annual Chance Flood Hazard
 -  0.2% Annual Chance Flood Hazard
- Hydrology**
 -  Known Wetland (MD DNR)
 -  Known Water Bodie
- Known Stream Features**
 -  Drainage Connector
 -  Stream

NATURAL ENVIRONMENT FLOODPLAINS



NATURAL ENVIRONMENT

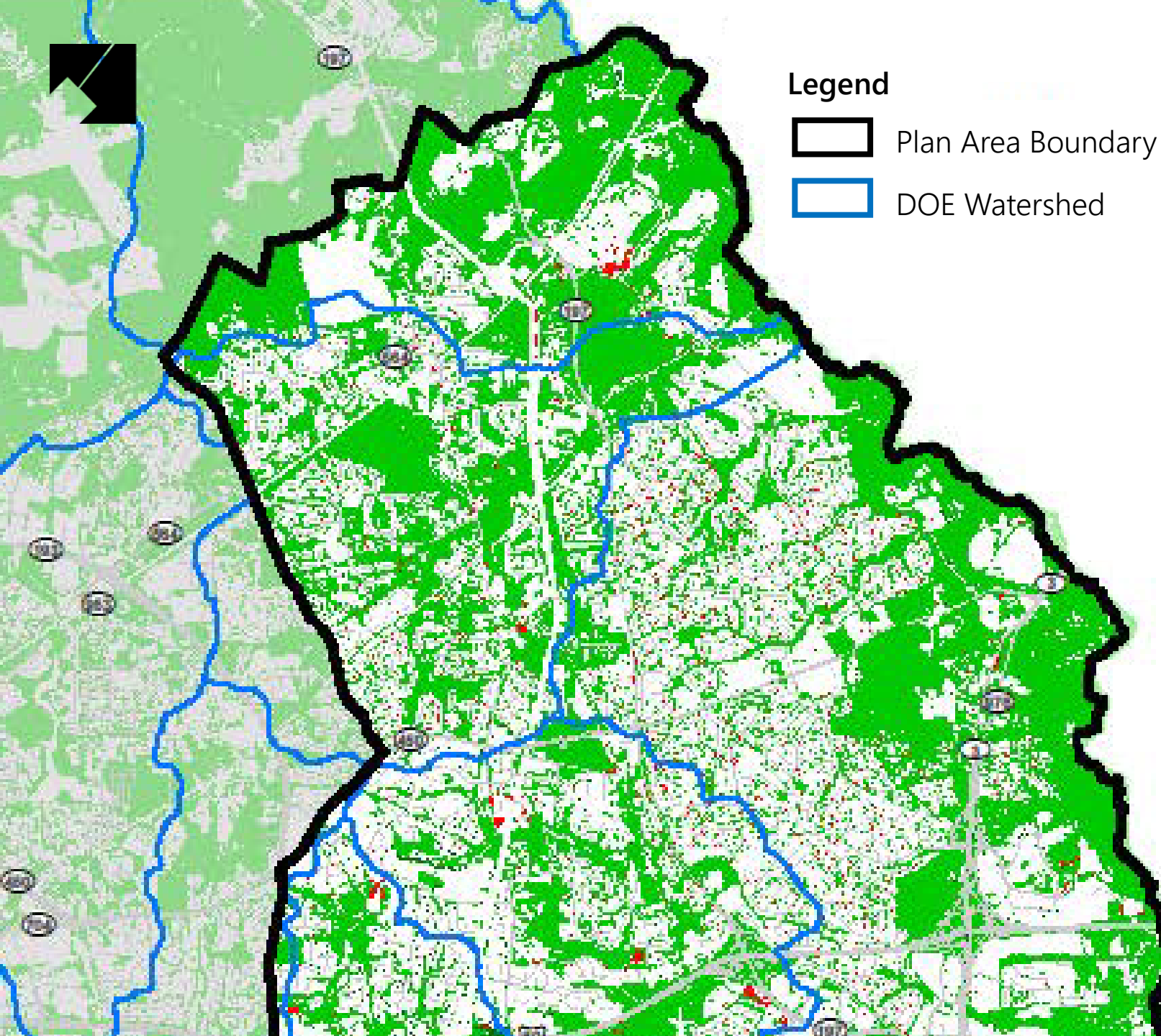
FOREST & TREE CANOPY





- 28,000 acres of forest and tree canopy (73% of planning area), and an additional 107 acres of land classified as “barren” in planning area **where trees could be planted if the properties are not developed**



- Comparative mapping from 1938 & 2009 show better connected, larger blocks of forest and tree canopy, however, in 1938 and more forest fragmentation by 2009



Legend

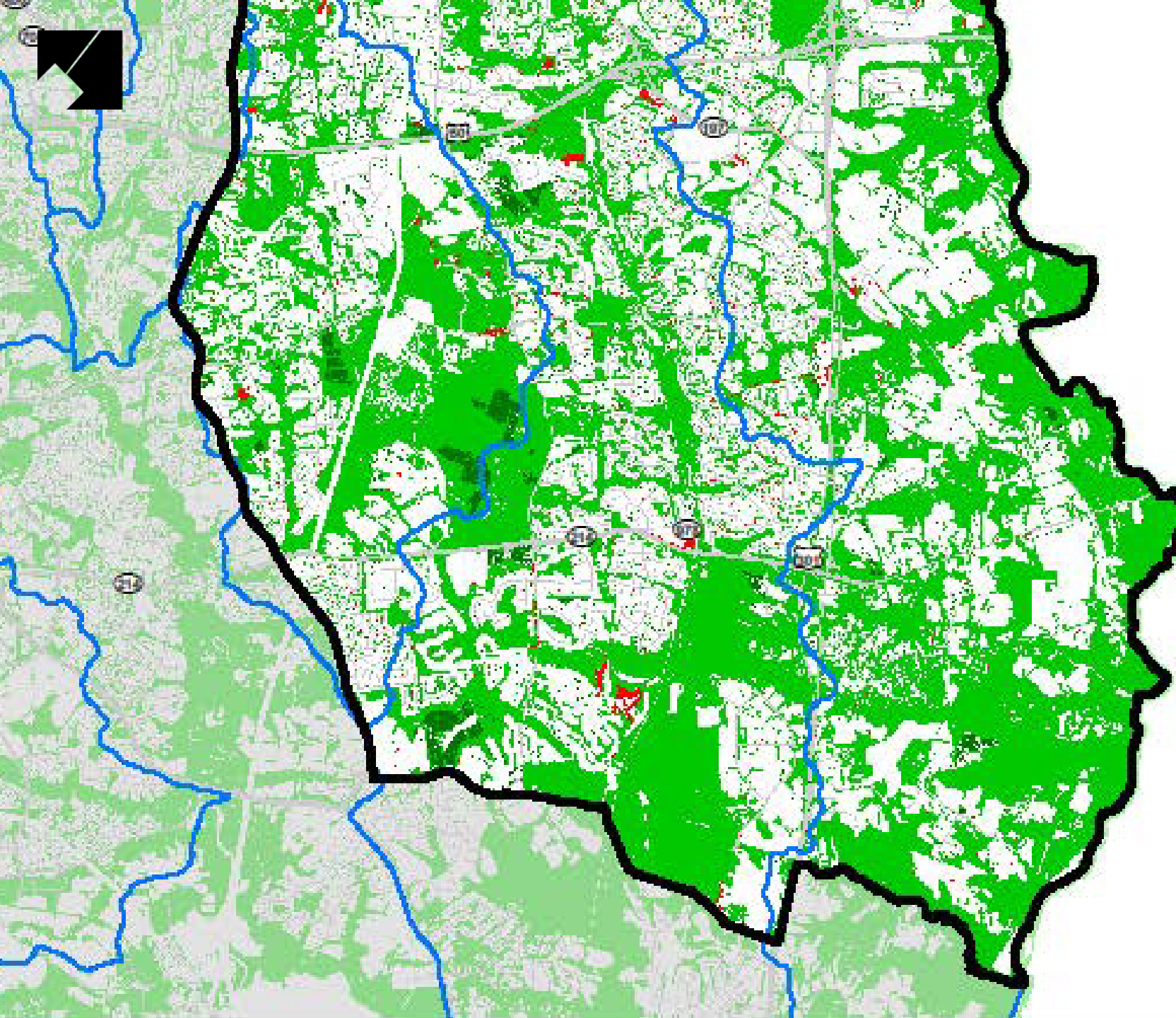
-  Plan Area Boundary
-  DOE Watershed

Tree Canopy



-  Tree Canopy 2014
-  Tree Canopy Gain 2009-2014
-  Tree Canopy Loss 2009-2014

NATURAL ENVIRONMENT

TREE CANOPY



Legend

-  Plan Area Boundary
-  DOE Watershed

Tree Canopy

-  Tree Canopy 2014
-  Tree Canopy Gain 2009-2014
-  Tree Canopy Loss 2009-2014

NATURAL ENVIRONMENT TREE CANOPY

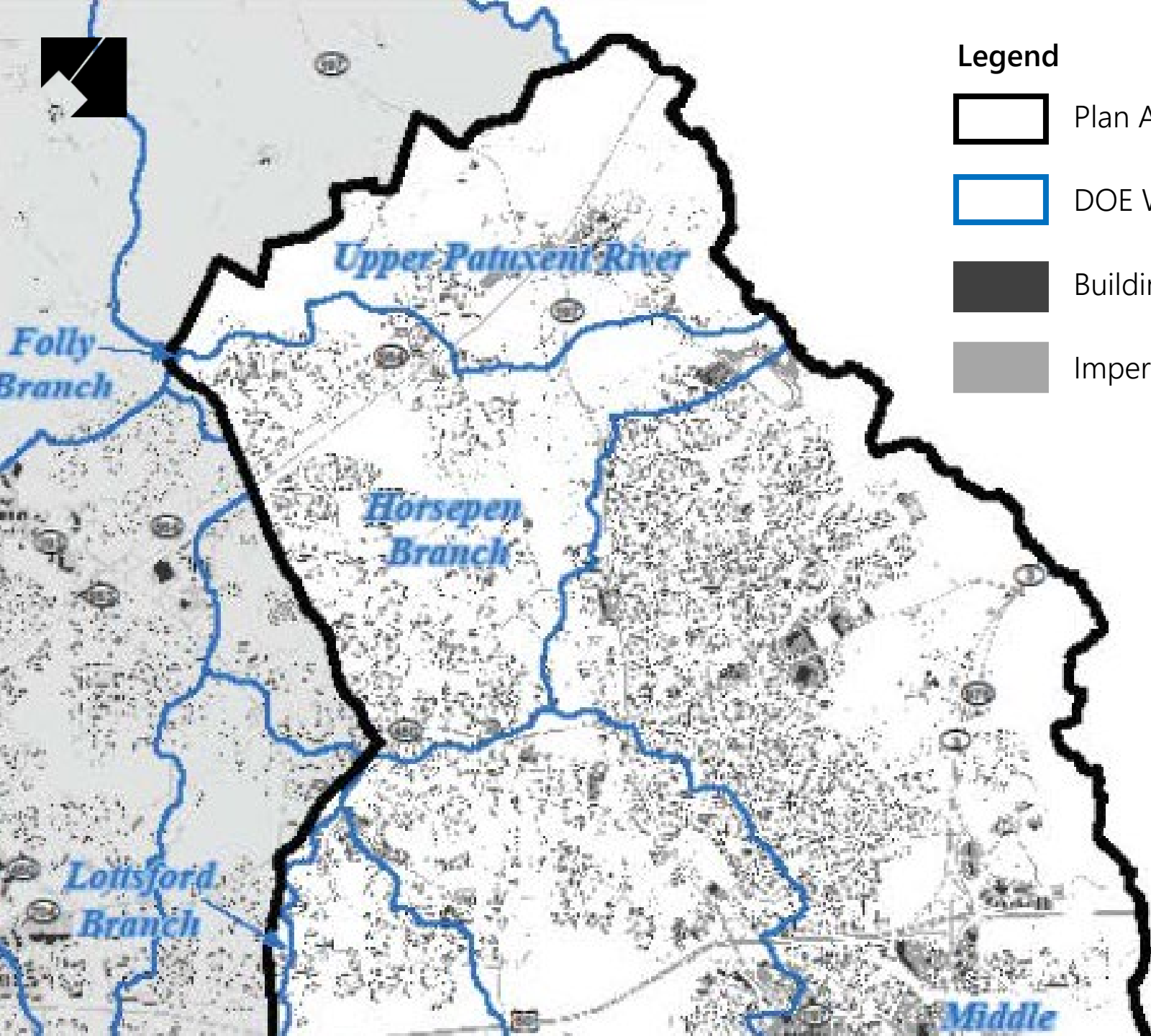


NATURAL ENVIRONMENT




STORMWATER & SOILS



- Imperviousness within the master plan area is high at nearly 8,000 acres or 20% of the master plan area
- Roads, buildings, and parking lots cover nearly 5,000 acres accounting for 62% of the master plan area's total impervious cover
- Highly porous soils in planning area, increased runoff

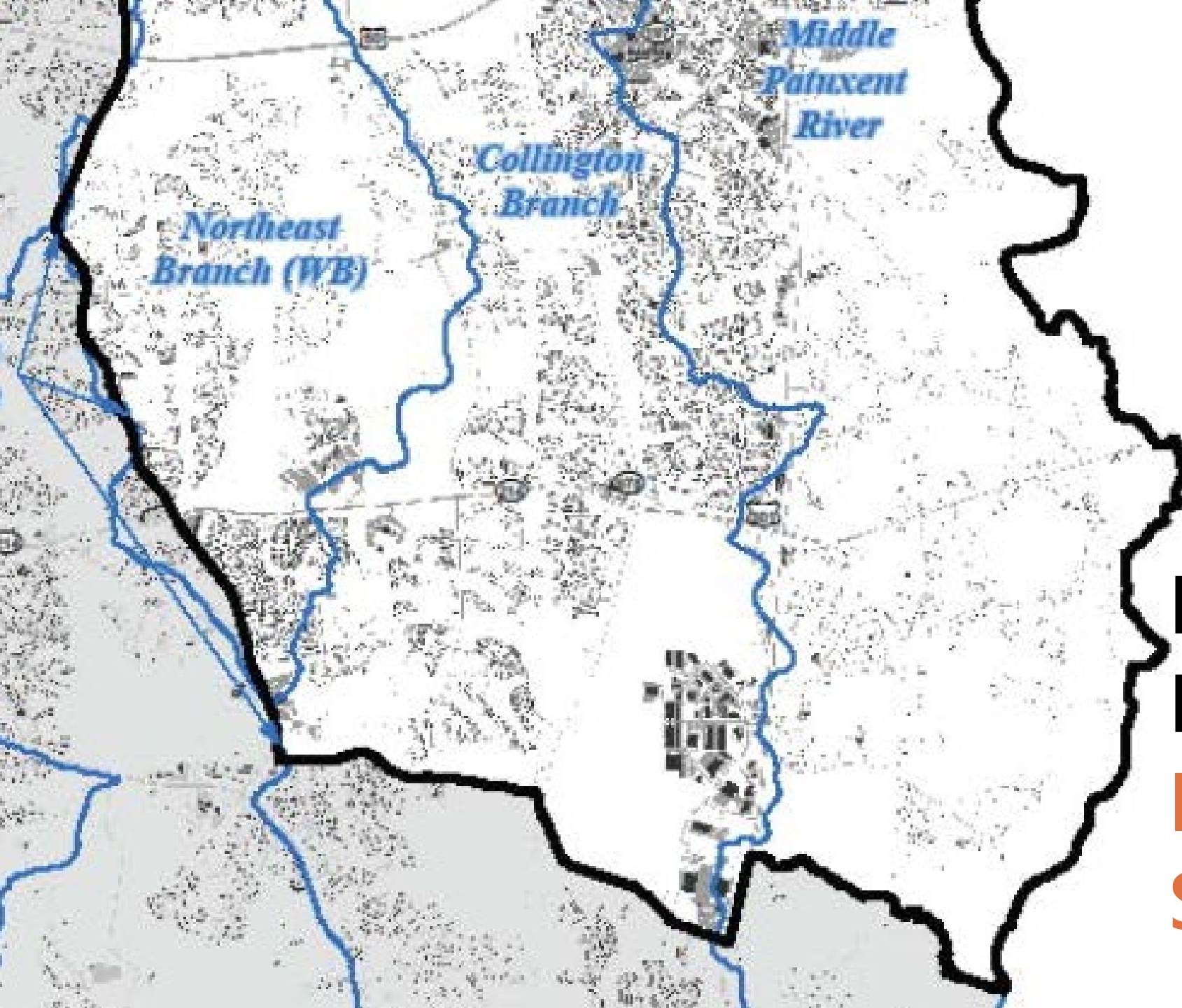


Legend





-  Plan Area Boundary
-  DOE Watershed
-  Building
-  Impervious Surfaces (2014)

NATURAL ENVIRONMENT

IMPERVIOUS SURFACES



Legend

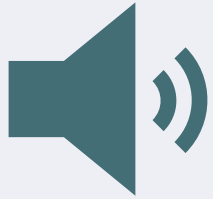
-  Plan Area Boundary
-  DOE Watershed
-  Building
-  Impervious Surfaces (2014)

NATURAL ENVIRONMENT IMPERVIOUS SURFACES

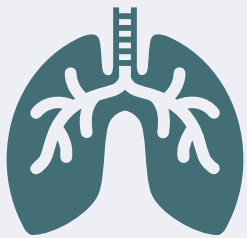


NATURAL ENVIRONMENT

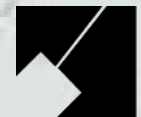
NOISE, AIR & LIGHT POLLUTION






- The Washington metropolitan area, which includes Prince George's County, currently does not meet the air quality standards set by the EPA for ground level ozone










- US 50, US 301/MD 3, Freeway Airport, and stop-and-go traffic contribute to noise

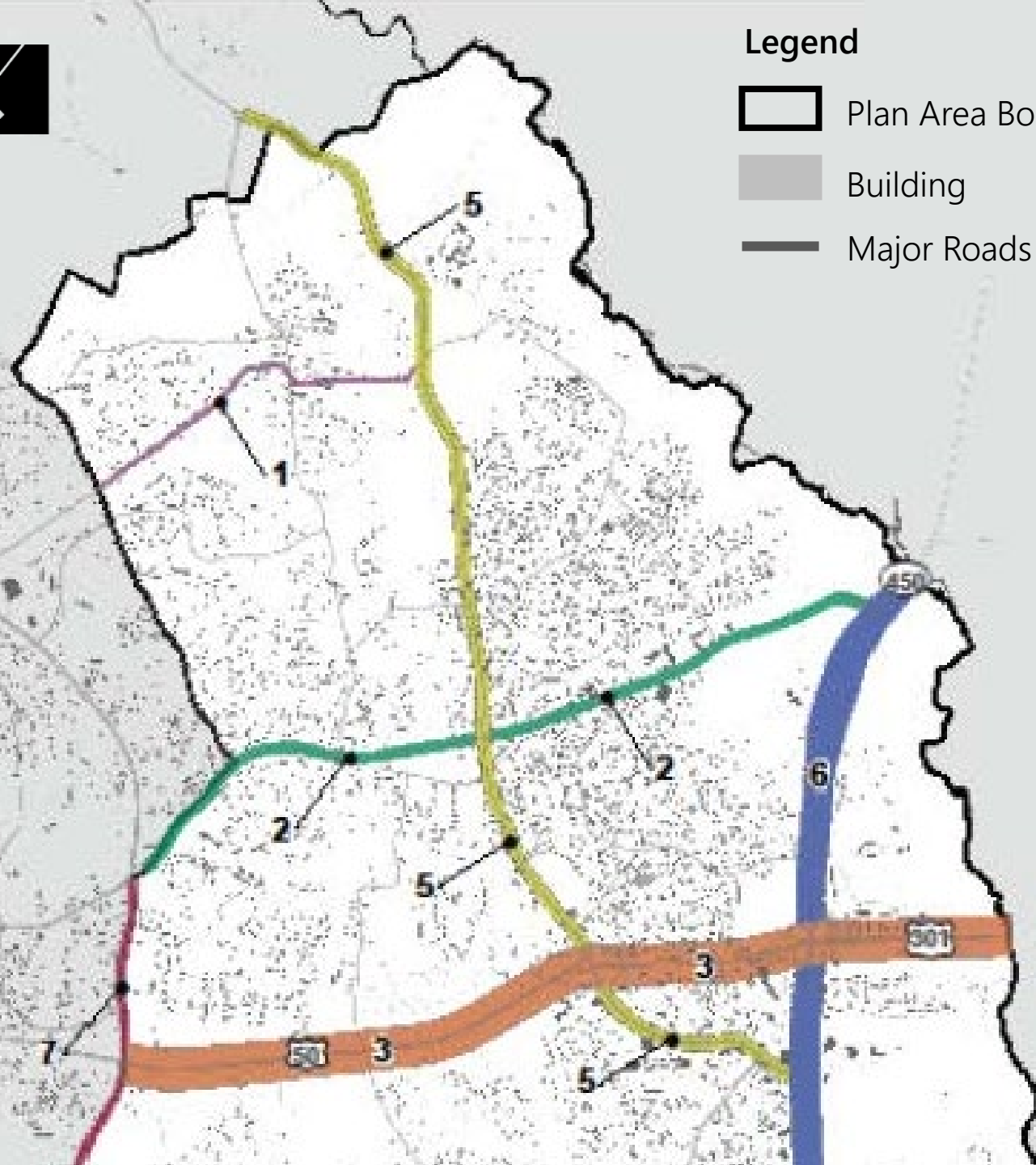


Legend

-  Plan Area Boundary
-  Building
-  Major Roads

65 dBA Ldn Road Noise Contour

-  1 MD 546 – Lanham Severn Road
-  2 MD 450 – Annapolis Road
-  3 US 50 – John Hanson Highway
-  4 MD 214 – Central Avenue
-  5 MD 197 – Laurel Bowie/Collington Road
-  6 US 301 – Robert Crain Highway
-  7 Enterprise Road/Watkins Park Drive


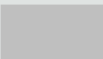



NATURAL ENVIRONMENT NOISE POLLUTION



65 dBA Ldn Road Noise Contour

- 1** MD 546 – Lanham Severn Rd
- 2** MD 450 – Annapolis Rd
- 3** US 50 – John Hanson Hwy
- 4** MD 214 – Central Ave
- 5** MD 197 – Laurel Bowie/
Collington Rd
- 6** US 301 – Robert Crain Hwy
- 7** Enterprise Rd/Watkins Park Dr

- Legend**
-  Plan Area Boundary
 -  Building
 - 

NATURAL ENVIRONMENT NOISE POLLUTION



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OPEN MEETING CHAT





Question # 1

What concerns you with the natural environment and why?



Question # 2

Do you have concerns about stormwater and flooding and why?
Where could stormwater management techniques be best utilized
to improve runoff?



Question # 3

Where could tree canopy and forest cover be improved? What challenges have you experienced with increasing the tree canopy and forest cover?



Question # 4

What measures could be taken to mitigate climate change at the local level?

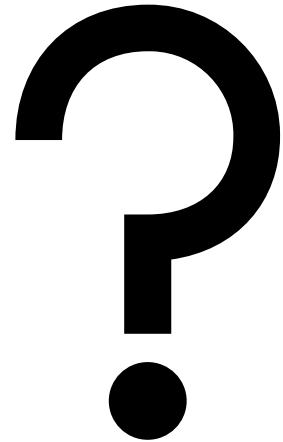


Question # 5

Where do you experience light and noise pollution?

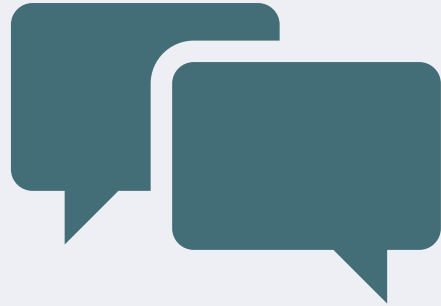


QUESTIONS?

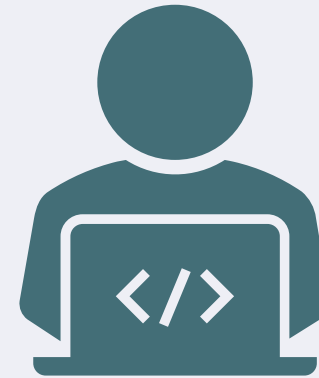




UPCOMING EVENTS



Virtual Community
Chats Cont.
September to
October



Virtual Presentation –
Playbook of Strategies
November 12, 2020



COMMUNITY CHATS

PLANNING ELEMENTS



Economic Prosperity



Community
Heritage, Culture
& Design



Housing &
Neighborhoods



Healthy
Communities



Land Use



Public
Facilities



Transportation
& Mobility



Natural
Environment

- Focused look at each of the planning elements
- Watch our previous chats on our website
- Register on our website for a topic that interests you

<https://www.mncppc.org/3390/Bowie-Mitchellville-Master-Plan>



COMMUNITY CHATS

SCHEDULE

Date	Time	Topic
September 22	7:00 p.m. – 8:00 p.m.	Public Facilities
September 24	6:00 p.m. – 7:00 p.m.	Land Use, Zoning & Urban Form
September 30	7:00 p.m. – 8:00 p.m.	Housing & Neighborhood
October 1	6:00 p.m. – 7:00 p.m.	Healthy Communities
October 6	7:00 p.m. – 8:00 p.m.	Economic Prosperity
October 8	6:00 p.m. – 7:00 p.m.	Natural Environment
October 12	7:00 p.m. – 8:00 p.m.	Community Heritage, Culture & Design
October 14	6:00 p.m. – 7:00 p.m.	Transportation & Mobility



PLAYBOOK OF STRATEGIES



Scheduled for early November

Reviews data and feedback received

Creates urban design schemes for certain nodes

Addresses challenges within each of the plan elements



census
2020 

Prince George's **MARYLAND**
county
Proud

Visit my2020census.gov or call (844)330-2020



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M-NCPPC
Thomas.Lester@ppd.mncppc.org

THANK YOU

Visit the website & download the PDF
<https://bowievicinity.konveio.com/draft-existing-conditions-report>