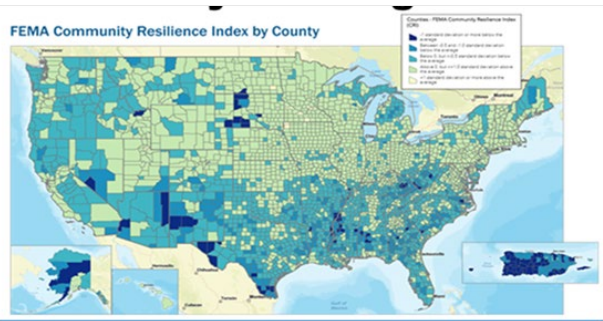


Resilience Analysis & Planning Tool (RAPT)

Community Resilience

Resilience Analysis and Planning Tool (RAPT) Data Layers: People and Community



Resilience Analysis and Planning Tool (RAPT)

Community Resilience Indicator Analysis:

Commonly Used Indicators from Peer-Reviewed Research:
Updated for Research Published 2003-2021

September 2022



Population Characteristics

- Population without a High School Education
- Population 65 and Older
- Population with a Disability
- Population by Race and Hispanic Origin

Household Characteristics

- Households without a Vehicle
- Households with Limited English
- Single-Parent Households
- Households without a Smartphone
- Households without Broadband Subscription

Housing

- Mobile Homes as Percentage of Housing
- Owner-Occupied Housing
- Rental Housing Costs
- Residential Structures in SHFA with Flood Insurance



Healthcare

- Number of Hospitals
- Medical Professional Capacity
- Population without Health Insurance
- Medicare Recipients with Power-Dependent Devices



Economic

- Population Below Poverty Level
- Median Household Income
- Unemployed Labor Force
- Unemployed Women Labor Force
- Income Inequality
- Workforce in Predominant Sector



Connection to Community

- Presence of Civic and Social Organizations
- Population without Religious Affiliation
- Percentage of Inactive Voters
- Population Change



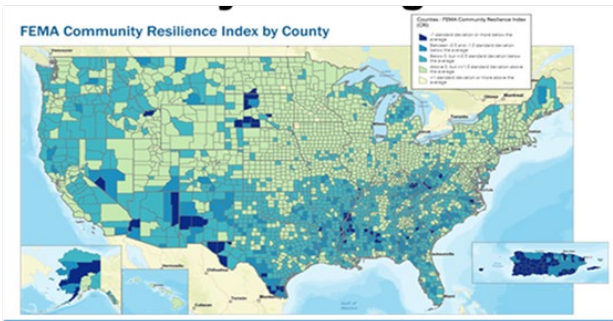
FEMA

County and Census Tract Community Resilience Index (CRI) combining 22 indicators.

Resilience Analysis & Planning Tool (RAPT)

Community Resilience

Infrastructure Layers: Homeland Infrastructure Foundation-Level Data Open



Resilience Analysis and Planning Tool (RAPT)

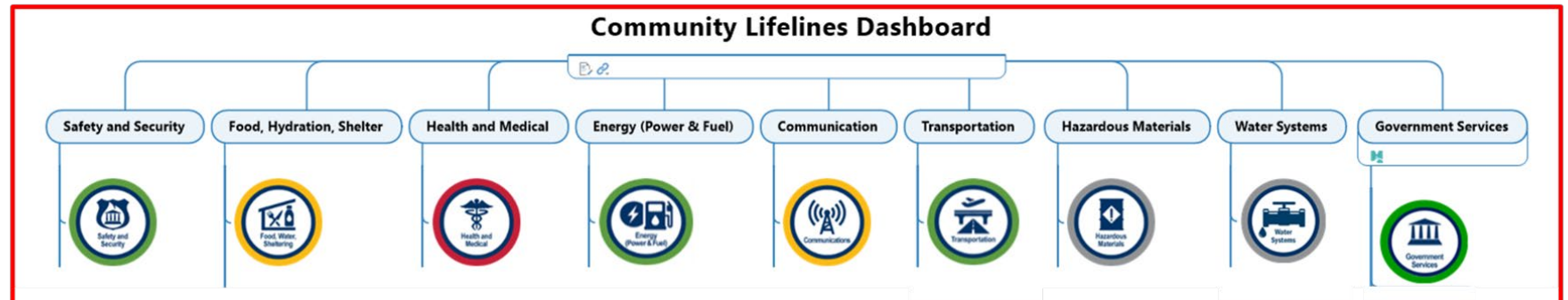
Community Resilience Indicator Analysis:

Commonly Used Indicators from Peer-Reviewed Research: Updated for Research Published 2003-2021

September 2022



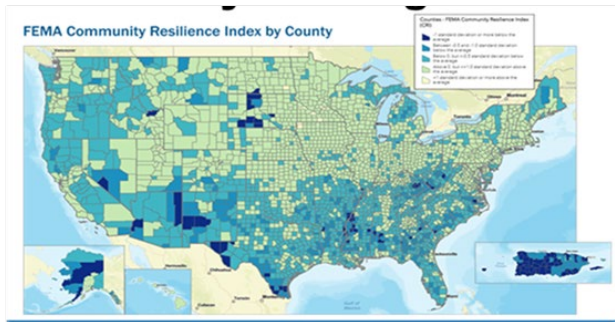
- Hospitals
- Nursing Homes
- Pharmacies
- Urgent Care Facilities
- Dialysis Centers
- Mobile Home Parks
- Fire Stations
- Local Law Enforcement Locations
- Public Health Departments
- 911 Service Area Boundaries
- SNAP Authorized Retailers
- Places of Worship
- Colleges and Universities
- Private Schools
- Public Schools
- Prison Boundaries
- Power Plants
- Electric Transmission Lines
- Wastewater Treatment Plants
- Solid Waste Landfills
- High-Hazard Dams



Resilience Analysis & Planning Tool (RAPT)

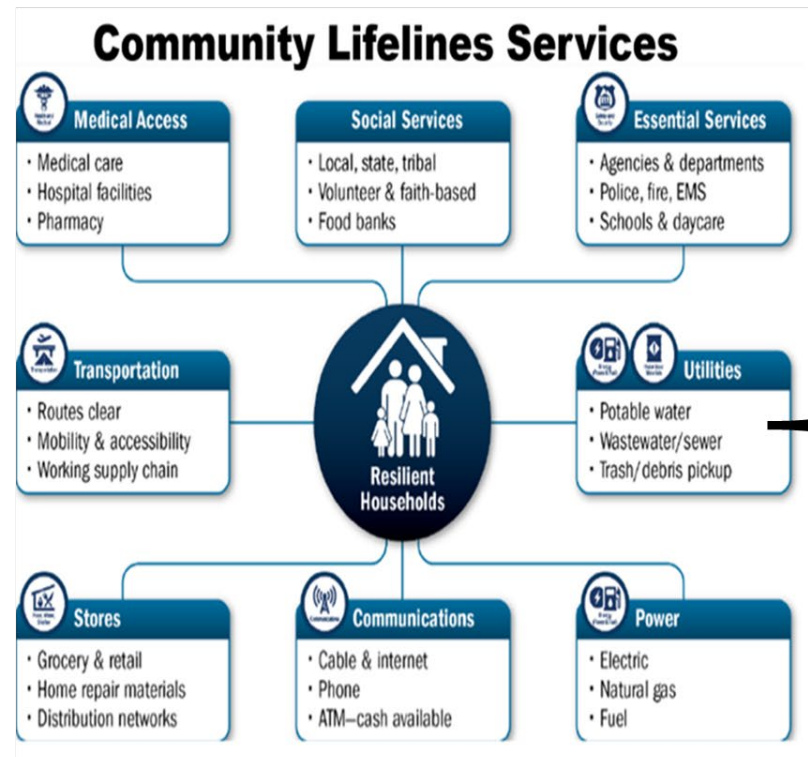
Community Resilience

Community Resilience Indicators Analysis Community Lifelines Impact



Resilience Analysis and Planning Tool (RAPT)

Community Resilience Indicator Analysis:
Commonly Used Indicators from Peer-Reviewed Research: Updated for Research Published 2003-2021
September 2022
FEMA

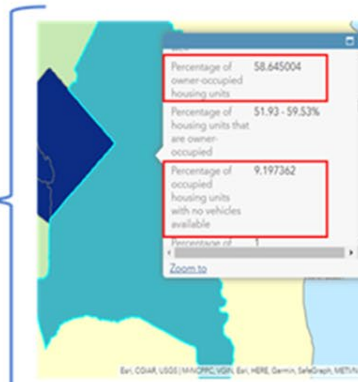


Community Resilience Indicators:
➤ Percent of owner occupied housing units (#)

➤ Percent of occupied housing units with no vehicles available (#)

Community Lifelines Impact:

- Food, Water, Sheltering (i.e., Property Loss due to Natural Hazard, requires temporary lodging)
- Transportation (i.e., Emergency evacuation)



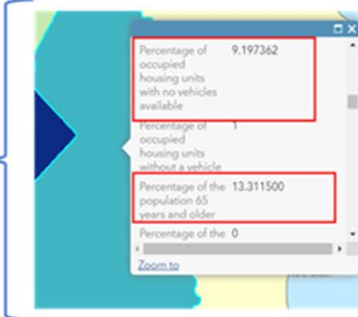
Community Resilience Indicators:

➤ Percentage of occupied housing units with no vehicles available (#)

➤ Percentage of the populations 65 years and older (#)

Community Lifeline Impact:

- Food, Water and Sheltering (i.e., Property Loss due to Natural Hazard, requires temporary lodging)
- Transportation (i.e., Emergency evacuation)





FEMAResilience Analysis and Planning

[Take a Tour](#)[County Sum...](#)[Resource Ce...](#)[Contact Us](#)

Legend

Basemap

Boundary

Tracts

County

Tribal

Hazards

Infrastructure

NRI

Reset RAPT

NRI Meta...

Add Data

Open Table

County

Layers

- Counties - FEMA Community Resilience Challenges Index (CRCI): Potential Challenges to Resilience
- Counties - Population without a High School Diploma
- Counties - Population Age 65 and Older (distribution in pop-up)
- Counties - Population with

Analysis

-
-
-
-
-

1,000 mi



FEMAResilience Analysis and Planning

[Take a Tour](#)[County Sum...](#)[Resource Ce...](#)[Contact Us](#)

Find address

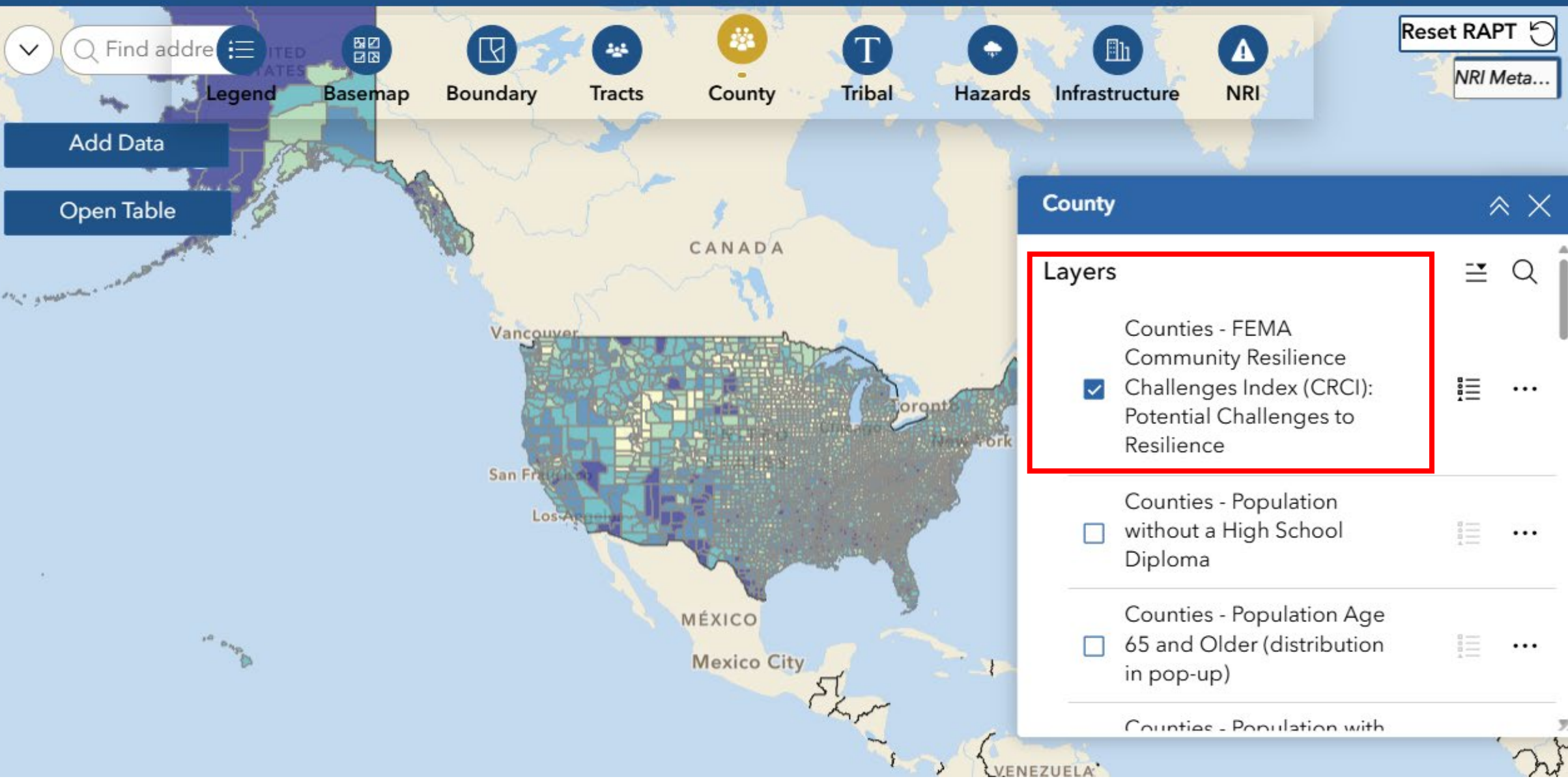
Legend Basemap Boundary Tracts County Tribal Hazards Infrastructure NRI

Reset RAPT

NRI Meta...

Add Data

Open Table



County

Layers

- Counties - FEMA Community Resilience
- Challenges Index (CRCI): Potential Challenges to Resilience
- Counties - Population without a High School Diploma
- Counties - Population Age 65 and Older (distribution in pop-up)
- Counties - Population with



FEMAResilience Analysis and Planning

Take a Tour

County Sum...

Resource Ce...

Contact Us

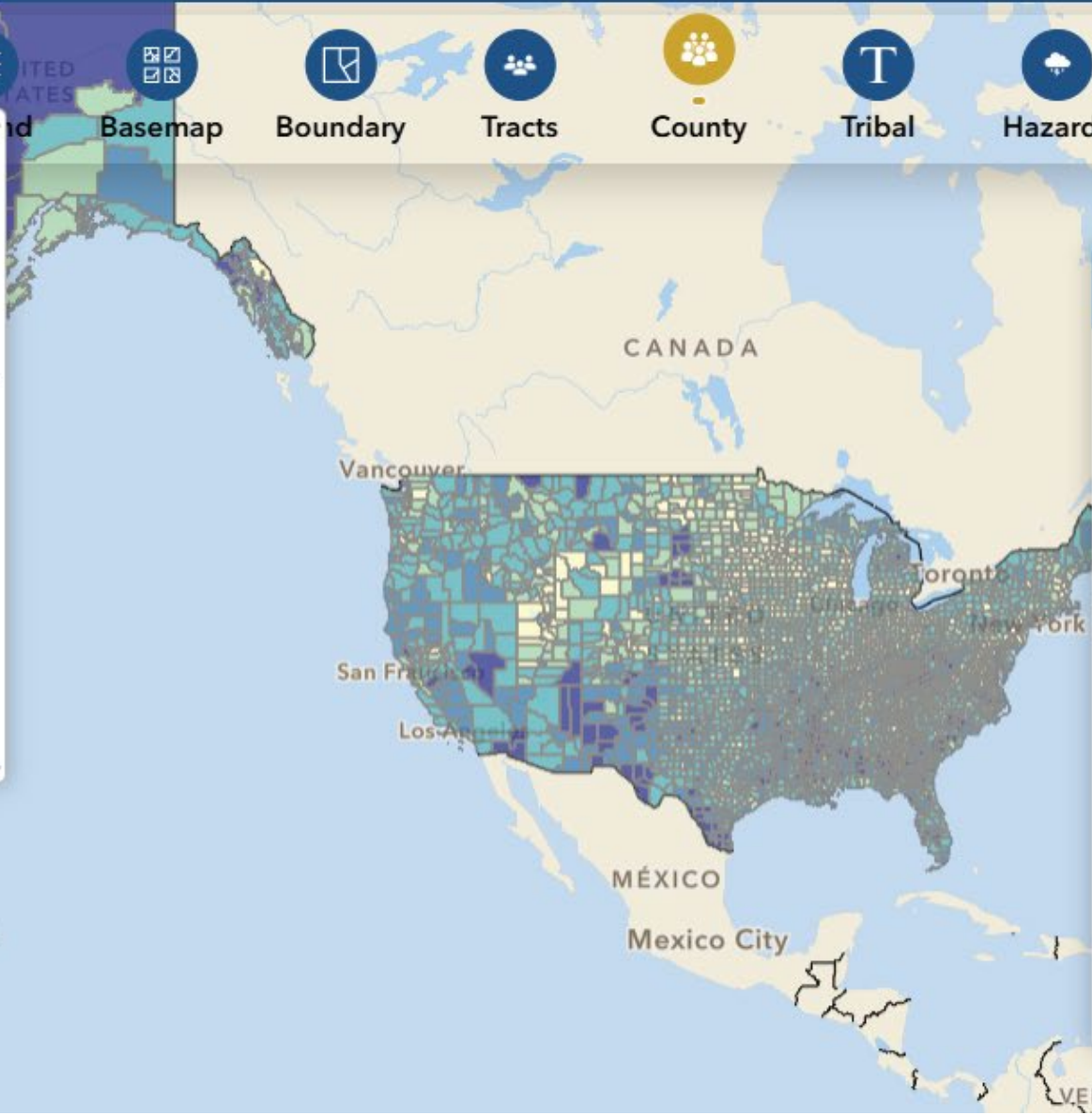


Search: ge's county

- Basemap
- Boundary
- Tracts
- County
- Tribal
- Hazards
- Infrastructure
- NRI

Reset RAPT
NRI Meta...

- Asset Name Search
- Prince George's County Police Headquarters, HYATTSVILLE, MD, 20785
 - Prince George's County Public School Food and Nutrition Services, UPPER MARLBORO, MD, 20772



County

Layers

- Counties - FEMA Community Resilience Challenges Index (CRCI): Potential Challenges to Resilience
- Counties - Population without a High School Diploma
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- Counties - Population with



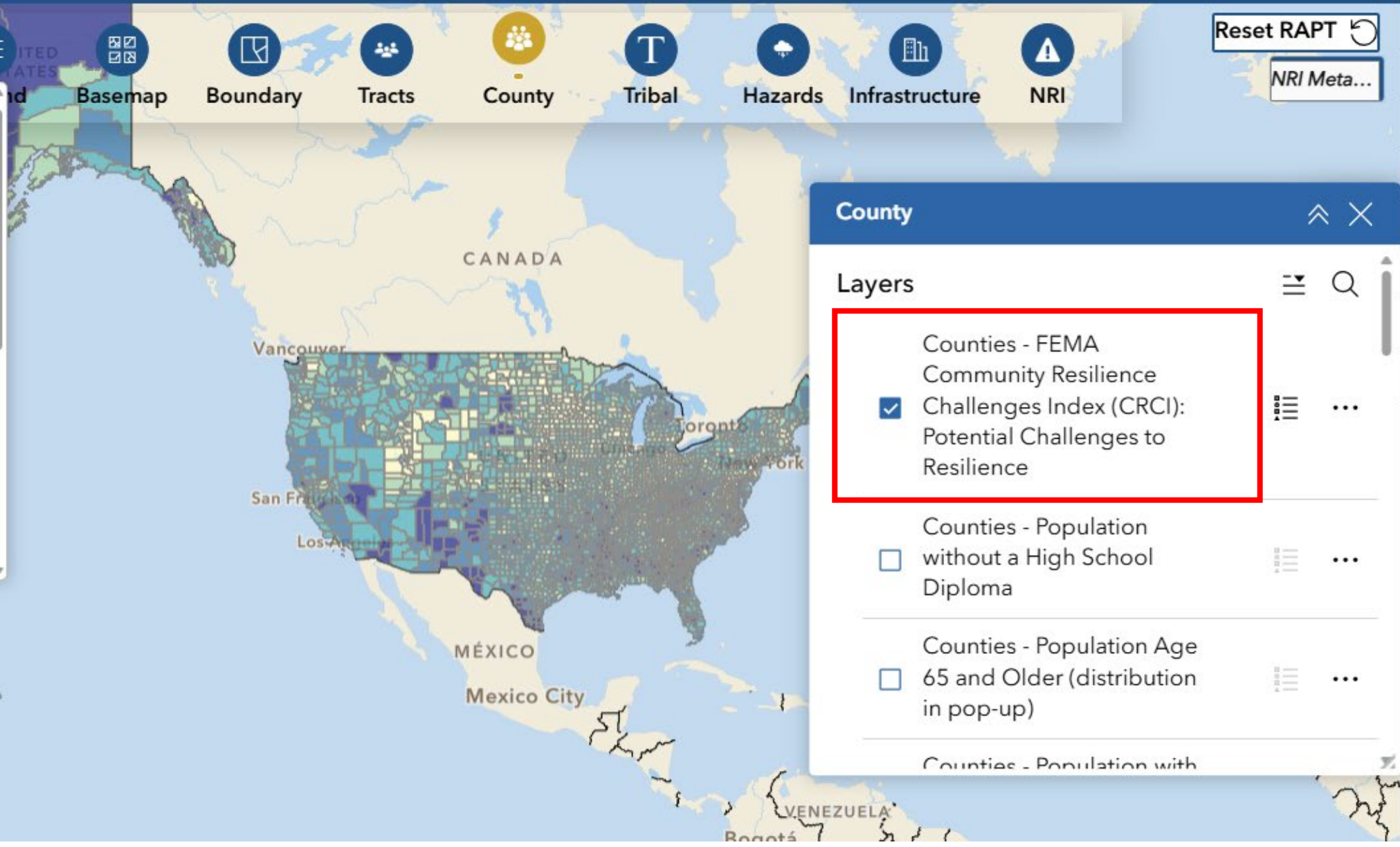
FEMAResilience Analysis and Planning

[Take a Tour](#)[County Sum...](#)[Resource Ce...](#)[Contact Us](#)

prinece

- Asset Name Search
- Prince George's Co. Public Safety
Comm. Center 911, Bowie, MD, 20715
 - Prince George's Community College, LARGO, MD, 20774
 - Prince George's County Police Headquarters, HYATTSVILLE, MD,

- Basemap
- Boundary
- Tracts
- County
- Tribal
- Hazards
- Infrastructure
- NRI

[Reset RAPT](#)[NRI Meta...](#)

County

Layers

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- Counties - Population without a High School Diploma
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- Counties - Population with



Select a State
Maryland

Select a County
Prince George's County

When a state is selected, summary is for entire state. Click off state selection and select county for county summary.

151
Hospitals

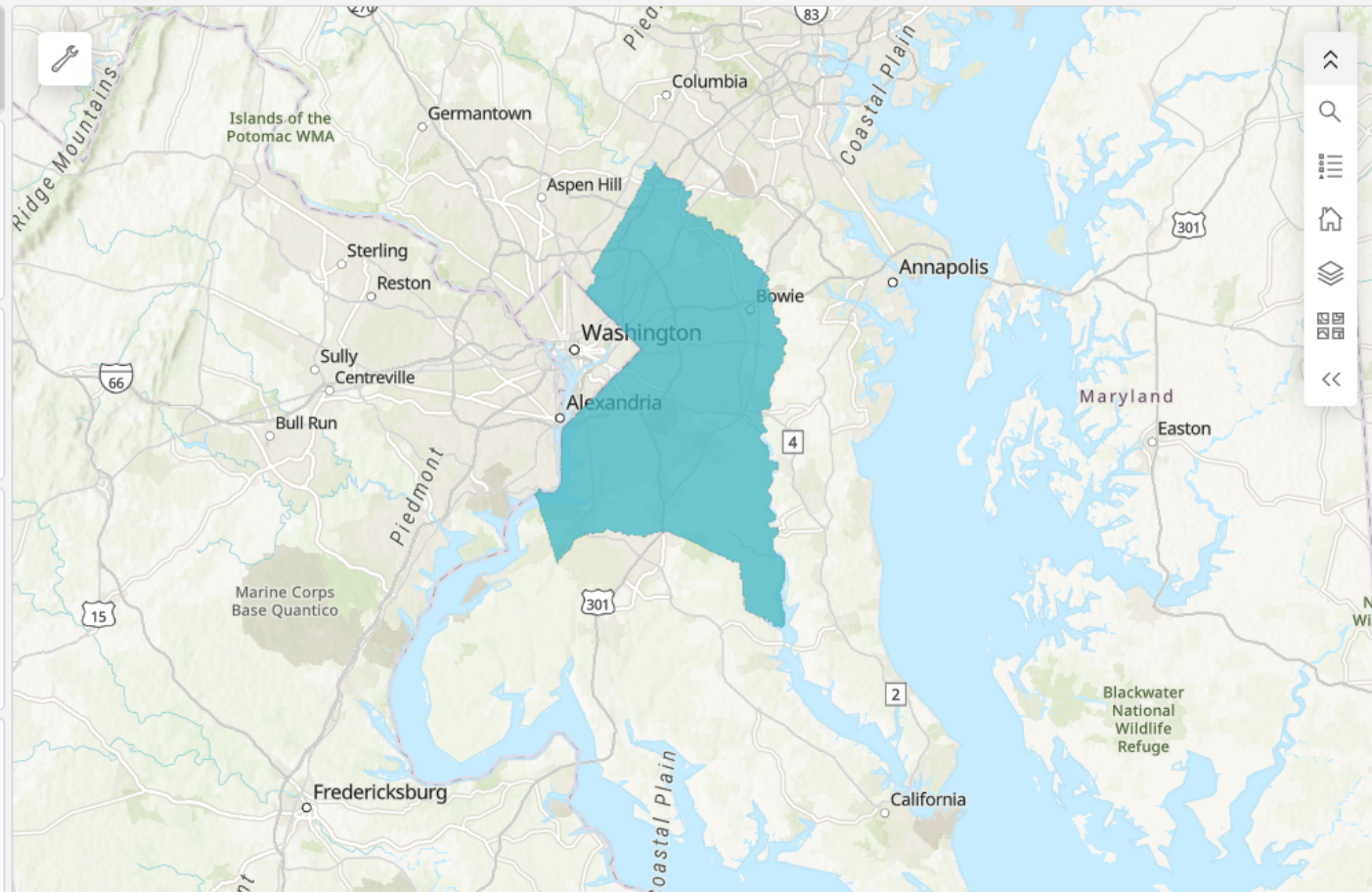
Nursing Homes
 2.8k

are located within the selected counties

Mobile Home Parks
 810

are located within the selected counties

Public Schools
 549



FEMA CRCI Percentile: 35th percentile of 100
Population: 955,584 people

The **top 3 indicators** that are most affecting the CRCI score for **Prince George's County, Maryland** are Limited English Speaking, Population Change, and Single-Parent Household.

CRCI Indicators:

Percent without HS Diploma	13.26%
Percent Age 65 and Older	14.45%
Percent with a Disability	10.15%
Percent Households without a Vehicle	9.19%
Percent Households with Limited English	6.15%
Percent Single-Parent Households	32.47%
Percent Households without a Smartphone	7.47%
Percent Mobile Homes Relative to Housing	0.56%
Percent Owner-Occupied Housing	59.27%
Number of Hospitals per 10,000 People	0.06
Number of Medical Practitioners per 1,000 People	16.85
Percent without Health Insurance	11.21%
Percent Below Poverty Level	10.23%
Median Household Income	\$100,708
Percent Unemployed Labor Force	6.39%



Map navigation controls: +, -, Home, Back, Forward, Full Screen, Compass

Prince G...

Legend Basemap Boundary Tracts County Tribal Hazards Infrastructure NRI

Prince George's County, MD

Zoom to

Population: 955,584 people

FEMA Community Resilience Challenges Index
Percentile: 35th percentile of 100

The **top 3 drivers** of the CRCI value for this county are:
1) Limited English Speaking
2) Population Change
3) Single-Parent Household

CRCI Indicators:

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Percent Unemployed Women in Labor Force	6.19%
Income Inequality (Gini Index)	0.41
Social/Civic Organizations per 10,000 People	0.50
Percent without Religious Affiliation	49.96%
Percent Inactive Voters	6.09%
Population Change	0.88



Prince G...

- Legend
- Basemap
- Boundary
- Tracts
- County
- Tribal
- Hazards
- Infrastructure
- NRI

Prince George's County, MD

Zoom to

Population: 955,584 people

FEMA Community Resilience Challenges Index
Percentile: 35th percentile of 100

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[Take a Tour](#)[County Summary](#)[Resource Center](#)[Contact Us](#)

Map navigation controls including zoom in (+), zoom out (-), home, back, forward, and compass. A search bar contains "Prince George'..." with a dropdown arrow and a close button (X). Below the search bar are "Add Data" and "Open Table" buttons.

- Legend
- Basemap
- Boundary
- Tracts
- County
- Tribal
- Hazards
- Infrastructure
- NRI

Reset RAPT

NRI Metadata

Infrastructure	Infrastructure	Infrastructure
<p>Layers</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Asset Name Search <input type="checkbox"/> Fire Stations <input type="checkbox"/> Local Law Enforcement Locations <input type="checkbox"/> Prison Boundaries <input type="checkbox"/> Mobile Home Parks <input type="checkbox"/> Public Schools 	<ul style="list-style-type: none"> <input type="checkbox"/> Transmission Lines <input type="checkbox"/> Power Plants <input type="checkbox"/> Colleges and Universities <input type="checkbox"/> SNAP Authorized Retailers <input type="checkbox"/> Hospitals <input type="checkbox"/> Nursing Homes <input type="checkbox"/> Urgent Care Facilities 	<ul style="list-style-type: none"> <input type="checkbox"/> Dialysis Centers (RxOpen) <input type="checkbox"/> Pharmacies (RxOpen) <input type="checkbox"/> All Places Of Worship <input type="checkbox"/> Public Health Departments <input type="checkbox"/> Wastewater Treatment Plants (FRS) <input type="checkbox"/> Principal Ports <input type="checkbox"/> NID - High Hazard Potential Dam Lines

Analysis Tools

-
-
-
-
-

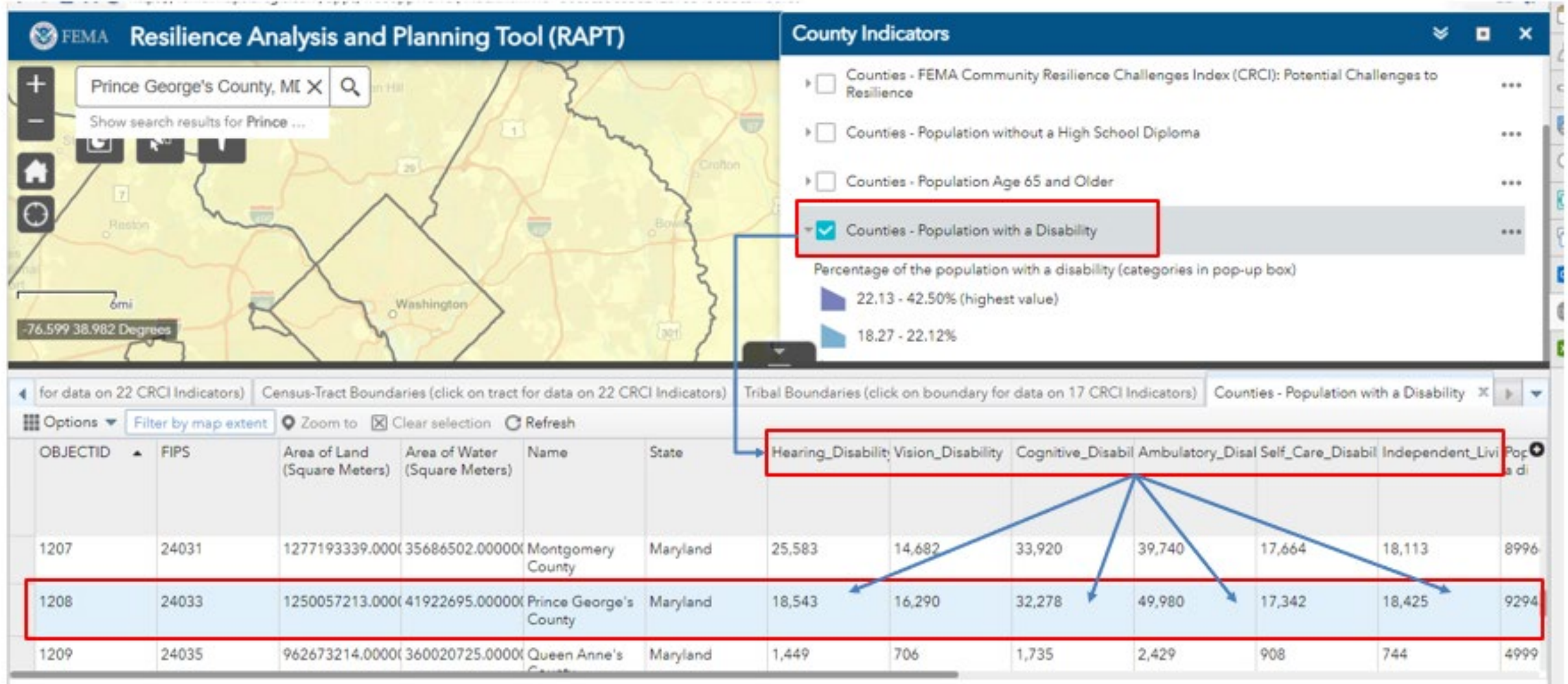
Map navigation controls including search bar (Prince George...), zoom in/out, home, and navigation arrows.

Map toolbar with icons for Legend, Basemap, Boundary, Tracts, County, Tribal, Hazards, Infrastructure, and NRI. Includes 'Reset RAP' and 'NRI Metadata' buttons.

Infrastructure layers panel with three columns. The 'SNAP Authorized Retailers' layer in the middle column is highlighted with a red box and a blue question mark.

Supplemental Nutrition Assistance Program (SNAP)

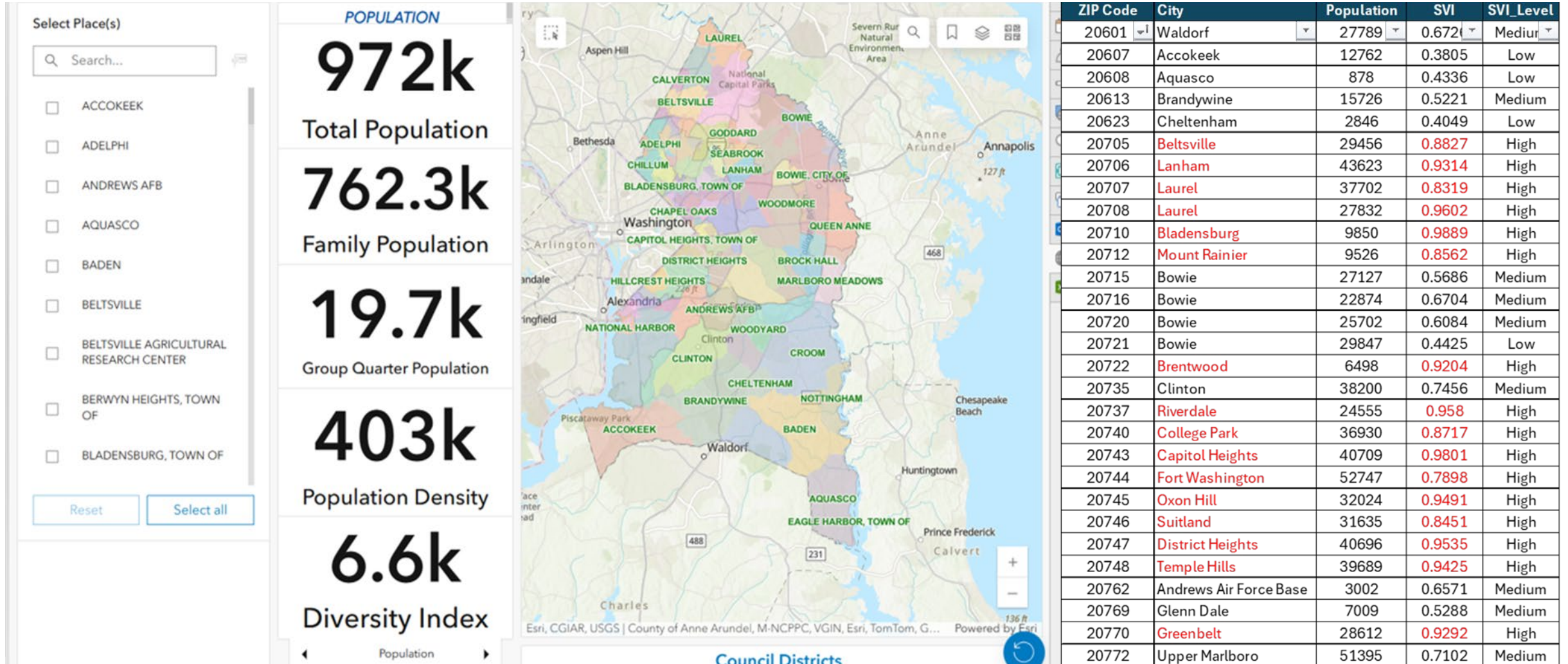
RAPT Data Collection



Resilience Analysis & Planning Tool (RAPT)

Application

Prince George's County, Demographic Dashboard



Neighborhoods at Risk

Tool

Neighborhoods at Risk [Explore Neighborhoods](#) [Climate Projections](#)

Hyattsville intersects **0 census tract** where vulnerabilities to climate change exceed the community median.

Find at-risk neighborhoods

People

Set criteria: None Community Median U.S. Average

People of color and Hispanics > 78.5%

People over 65 years > 10.2%

People with disabilities > 6.3%

Top three characteristics shown. [SEE MORE](#)

Climate Exposure

Wildfire: Homes exposed > 0

Map: Hyattsville, MD. Legend: Hyattsville, MD; Tract that meets criteria; Tract that does not meet criteria.

Filters: RESET FILTERS. People of color and Hispanics >78.5%. People over 65 years >10.2%. People with disabilities >6.3%.

Results: Combined Results (0 tracts). No tracts meet your criteria. Try updating the filters. [DOWNLOAD REPORT](#)

This free tool is nationally available thanks to generous contributions from the [USDA Forest Service](#), [Tableau Foundation](#), [Mapbox](#), [Urban Sustainability Directors Network](#), [M. J. Murdock Charitable Trust](#), [Climate Resilience Fund](#), [National Oceanic and Atmospheric Administration](#), and [National Academy of Sciences, Engineering, and Medicine](#).

HEADWATERS ECONOMICS

Neighborhoods at Risk

Tool

The screenshot shows the 'Neighborhoods at Risk' tool interface. At the top, the search bar contains 'Hyattsville, MD'. The main header includes 'Explore Neighborhoods' and 'Climate Projections'. Below the search bar, a summary states: 'Hyattsville intersects 0 census tract where vulnerabilities to climate change exceed the community median.'

The 'Find at-risk neighborhoods' section is active, with the 'People' filter selected. Under 'Set criteria', 'Community Median' is chosen. The following characteristics are filtered:

- People of color and Hispanics: > 78.5%
- People over 65 years: > 10.2%
- People with disabilities: > 6.3%

A 'SEE MORE' button is visible below these filters. The 'Climate Exposure' section is partially visible, showing 'Wildfire: Homes exposed' with a value of > 0.

An 'Add Characteristics' modal window is open, displaying a list of characteristics with checkboxes:

- People of color and Hispanics
- People over 65 years
- People with disabilities
- Housing units that are mobile homes
- Families in poverty
- Children under 5 years
- Households with no car
- People without health insurance
- Housing units that are rentals
- People who don't speak English well

The background map shows the Hyattsville area with labels for 'CALVERT HILLS', 'Riverdale Park', and 'East Riverdale'. A 'Combined Results (0 tracts)' box is overlaid on the map, stating: 'No tracts meet your criteria. Try updating the filters.' A 'DOWNLOAD REPORT' button is also present.

At the bottom, a footer contains the following text: 'This free tool is nationally available thanks to generous contributions from the USDA Forest Service, Tableau Foundation, Mapbox, Urban Sustainability Directors Network, M. J. Murdock Charitable Trust, Climate Resilience Fund, National Oceanic and Atmospheric Administration, and National Academy of Sciences, Engineering, and Medicine.'

The logo for HEADWATERS ECONOMICS is located in the bottom right corner.

Neighborhoods at Risk

Tool

Neighborhoods at Risk [Explore Neighborhoods](#) [Climate Projections](#)

Hyattsville intersects **0 census tract** where vulnerabilities to climate change exceed the community median.

Find at-risk neighborhoods

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People with disabilities: > 6.3%

Top three characteristics shown. [SEE MORE](#)

Climate Exposure

Wildfire: Homes exposed: > 0

RESET FILTERS

Combined Results (0 tracts) No tracts meet your criteria. Try updating the filters.

DOWNLOAD REPORT

Tract 8059.08, Prince George's County, MD

	Count	Percent
Population	2,952	
People of color and Hispanics	2,626 ± 533	89% ± 18.1%
People over 65 years	301 ± 148	10.2% ± 5%
People with disabilities	147 ± 100	5% ± 3.4%
Housing units that are mobile homes		no data
Wildfire: Homes exposed		no data
Flood: Properties at risk		12.1%
Area in floodplain		0%

This free tool is nationally available thanks to generous contributions from the [USDA Forest Service](#), [Tableau Foundation](#), [Mapbox](#), [Urban Sustainability Directors Network](#), [M. J. Murdock Charitable Trust](#), [Climate Resilience Fund](#), [National Oceanic and Atmospheric Administration](#), and [National Academy of Sciences, Engineering, and Medicine](#).

HEADWATERS ECONOMICS

Neighborhoods at Risk

Tool

Prince George's County is expected to experience a **104% increase in extremely hot days** and a **4% increase in days with heavy precipitation** within **25 years**.

Explore climate projections

Select time range:

25 Years

Select an emissions scenario:

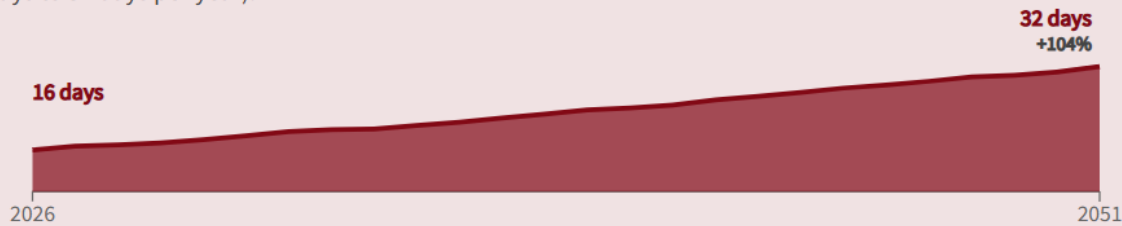
Higher Emissions (RCP8.5)

Lower Emissions (RCP4.5)

HEAT

Days per year above: 90°F 95°F 100°F

By 2051, Prince George's County is expected to experience **16 more days** that reach above 95°F (from 16 days to 32 days per year).



Extremely hot days are the leading cause of weather-related fatalities in the U.S. and contribute to economic stress as the need for (and cost of) air conditioning rises.

Average annual temperature

By 2051, Prince George's County is expected to have a **2°F increase** (from 59°F to 61°F) in average annual temperatures.



Increasing annual temperatures contribute to droughts, longer and more catastrophic wildfire seasons, and warmer oceans that fuel hurricanes and offshore storms.

PRECIPITATION

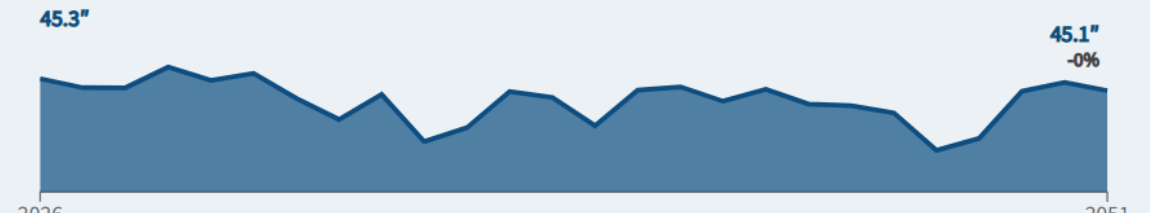
Days per year with precip. above: 1" 2" 4"

By 2051, Prince George's County is expected to experience **0.3 more days** of heavy precipitation per year (from 6.8 days to 7.1 days per year).



Average annual precipitation

By 2051, Prince George's County is expected to have a **0.1" decrease** (from 45.3" to 45.1") in average annual precipitation.



Neighborhoods at Risk

Tool

tracts where vulnerabilities to climate change exceed the county median.

RESET FILTERS People of color and Hispanics >93.9% X
Housing units that are rentals >34.5% X People over 65 years >15.1% X
People without health insurance >8.4% X People with disabilities >10.6% X

Download Report X

Download a socioeconomic report for 4 selected locations.

Report format: PDF Excel

The data associated with all tracts in Prince George's County, MD is also available for download.

Shapefile

Combined Results (4 tracts) X

	Count	Percent
Population	14,054	
People of color and Hispanics	13,705 ± 1,099.3	97.5% ± 18.9%
Housing units that are rentals	3,110 ± 305.3	54.4% ± 6.3%
People over 65 years	2,512 ± 441.4	17.9% ± 3.8%
People without health insurance	1,968 ± 437.2	14% ± 3.5%
People with disabilities	1,958 ± 391.7	13.9% ± 3.3%
Households with no car	645 ± 218.1	11.3% ± 3.9%
People who don't speak English well	1,071 ± 429.7	8.3% ± 3.4%
Families in poverty	434 ± 198.2	13.8% ± 6.6%
Children under 5 years	1,135 ± 444.8	8.1% ± 3.3%
Housing units that are mobile homes	12 ± 45.9	0.2% ± 0.8%
Wildfire: Homes exposed		11.2%
Flood: Properties at risk		8.7%
Flood: Area in floodplain		2.7%
Heat: No tree canopy		71.7%
Heat: Impervious area		46.5%

DOWNLOAD REPORT

Legend: Prince George's County, MD; Tract that meets criteria; Tract that does not meet criteria

mapbox

the USDA Forest Service, Tableau Foundation, Mapbox, Urban Sustainability Directors Network, M. J. Murdock Charitable Trust, Climate Resilience Fund

Climate Mapping for Resilience & Adaptation (CMRA) Tool

How do I...



Understand Current Exposure

Link Past and Future



Understand Future Exposure

Understand My Role



Customize Assessment





Apply filters. Use the 'Explore Data' button after filtering for more details on area.

Search Area

County

Tribal Area

7915 Ancho



7915 Anchor St, Hyattsville, MD, 20785, USA

7915 Anchor Bay Dr, Clay, MI, 48001, USA

7915 Anchor Dr, Longmont, CO, 80504, USA

7915 Anchor Dr, Port Arthur, TX, 77642, USA

7915 Anchor St, El Nido, CA, 95317, USA

7915 Anchor St, Frisco, TX, 75035, USA

Vancouver

CANADA

Toronto

Chicago

New York

San Francisco

UNITED STATES

Los Angeles

MÉXICO

Mexico City



Annual days with maximum temperature > 100°F

0

8.7

17+



+

-

INDONESIA

PERU



Extreme Heat



Indicators

Annual days with maximum temperature > 100°F



Timeframe

Early Century (2015–2044)

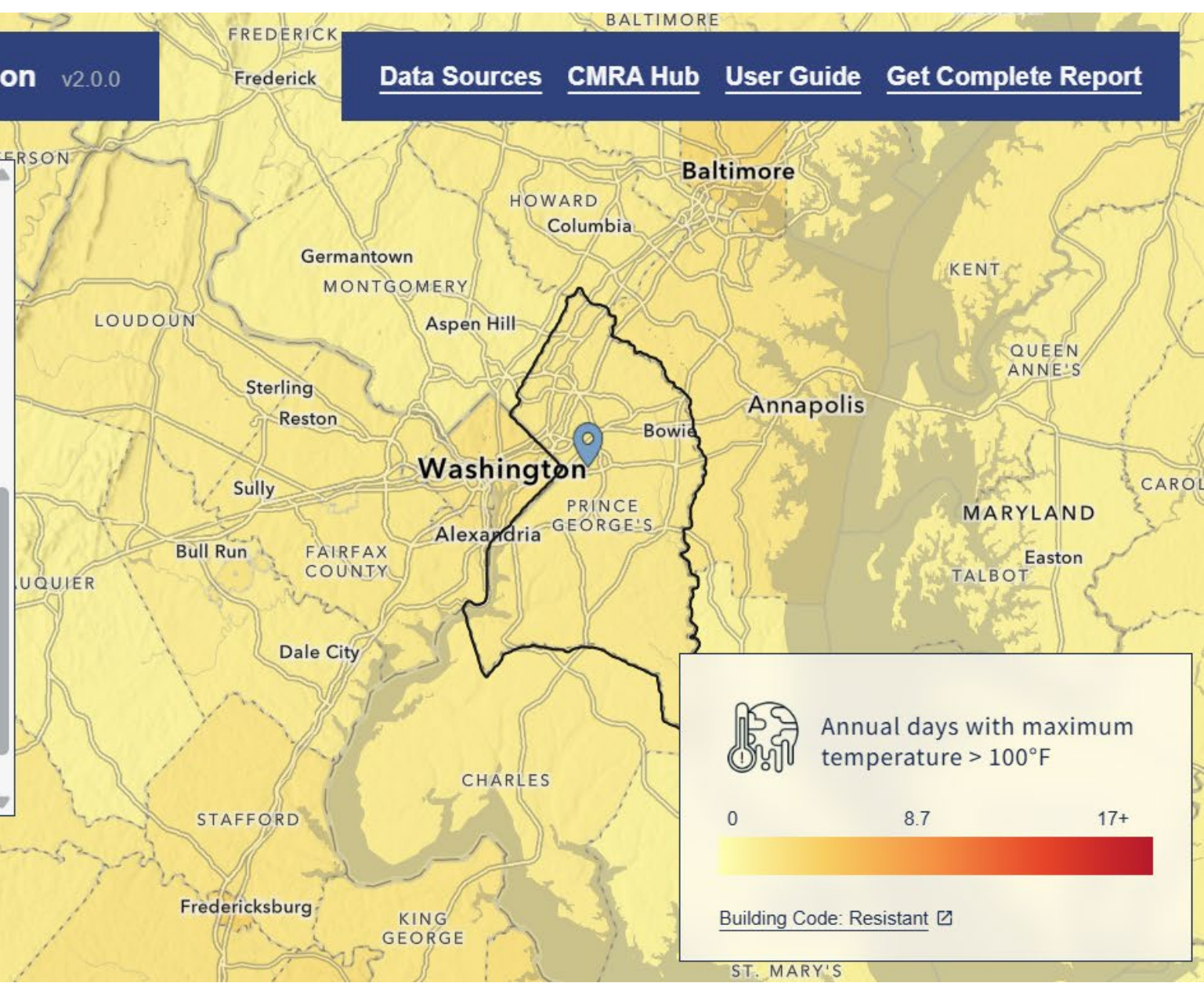


Scenario

Lower emissions (SSP2-4.5)



Explore Data



Annual days with maximum temperature > 100°F

0

8.7

17+



[Building Code: Resistant](#)



[← Back](#)

Prince George's County, MD

Building Code: Resistant [↗](#)



Extreme Heat



Drought



Wildfire



Flooding



Coastal Inundation

Climate Projections for

Early Century (2015–2044) [↕](#)

Lower emissions (SSP2-4.5)

Higher emissions (SSP5-8.5)

+ Annual days with maximum temperature > 90°F

44.9 Days

+ 22.1 since 1976-2005

46.0 Days

+ 23.2 since 1976-2005

+ Annual days with maximum temperature > 95°F

12.9 Days

+ 9.0 since 1976-2005

13.0 Days

+ 9.1 since 1976-2005

+ Annual days with maximum temperature > 100°F

1.8 Days

+ 1.6 since 1976-2005

1.7 Days

+ 1.5 since 1976-2005

Prince George's County, MD



Extreme Heat



Drought



Wildfire



Flooding



Coastal Inundation

+ Annual days with maximum temperature > 90°F

44.9 Days

+ 22.1 since 1976-2005

46.0 Days

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+ Annual days with maximum temperature > 95°F

12.9 Days

+ 9.0 since 1976-2005

13.0 Days

+ 9.1 since 1976-2005

+ Annual days with maximum temperature > 100°F

1.8 Days

+ 1.6 since 1976-2005

1.7 Days

+ 1.5 since 1976-2005

+ Annual days with maximum temperature > 105°F

0.1 Days

+ 0.1 since 1976-2005

0.1 Days

+ 0.1 since 1976-2005

+ Annual single highest maximum temperature

100.6 °F

+ 3.1 since 1976-2005

100.4 °F

+ 2.9 since 1976-2005

+ Annual highest maximum temperature averaged over a 5-day period

96.7 °F

+ 3.1 since 1976-2005

97.2 °F

+ 3.6 since 1976-2005

Prince George's County, Maryland

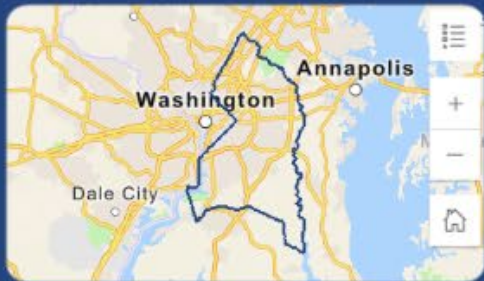
Total Population
 ⓘ 955,584

% Population with Income Below Poverty
 ⓘ 10%

Building Codes Hazard Resistance
 ⓘ Resistant

National Risk Index Rating
Relatively High
 Source: FEMA National Risk Index

B Billion-Dollar Weather and Climate Disasters



Extreme Heat

Future Climate Indicators

Indicator	Mid - 1900s (1951 - 1980) Min - Max	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Temperature thresholds:							
Annual days with maximum temperature > 90°F	2 days 2 - 53	45 days 15 - 89	46 days 16 - 94	62 days 18 - 101	74 days 29 - 120	72 days 27 - 115	104 days 48 - 164
Annual days with maximum temperature > 95°F	4 days 0 - 19	13 days 0 - 53	13 days 0 - 45	23 days 1 - 68	33 days 4 - 82	31 days 1 - 81	64 days 10 - 137
Annual days with maximum temperature > 100°F	0 days 0 - 3	2 days 0 - 17	2 days 0 - 19	5 days 0 - 40	8 days 0 - 42	8 days 0 - 40	27 days 0 - 95
Annual days with maximum temperature > 105°F	0 days 0 - 0	0 days 0 - 3	0 days 0 - 5	0 days 0 - 8	1 days 0 - 15	1 days 0 - 16	7 days 0 - 52
Annual temperature:							
Annual single highest maximum temperature °F	98 °F 92 - 104	101 °F 94 - 109	100 °F 94 - 110	103 °F 96 - 112	104 °F 97 - 114	104 °F 95 - 115	108 °F 99 - 119
Annual highest maximum temperature averaged over a 5-day period °F	94 °F 93 - 94	97 °F 95 - 100	97 °F 95 - 100	98 °F 96 - 103	100 °F 96 - 105	100 °F 96 - 105	104 °F 97 - 112
Cooling degree days (CDD)	1138 degree-days 791 - 1555	1,556 degree-days 1,031 - 2,308	1,582 degree-days 1,031 - 2,294	1,848 degree-days 1,330 - 2,503	2,090 degree-days 1,329 - 2,967	2,052 degree-days 1,415 - 2,814	2,773 degree-days 1,846 - 4,434

Prince George's County, Maryland

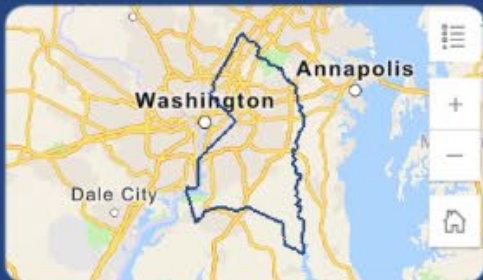
Total Population
 955,584

% Population with Income Below Poverty
 10%

Building Codes Hazard Resistance
 Resistant

National Risk Index Rating
Relatively High
 Source: FEMA National Risk Index

Billion-Dollar Weather and Climate Disasters



Extreme Heat

Future Climate Indicators

Indicator	Mid - 1900s (1951 - 1980) Min - Max	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Temperature thresholds:							
Annual days with maximum temperature > 90°F	2 days 2 - 53	45 days 15 - 89	46 days 16 - 94	62 days 18 - 101	74 days 29 - 120	72 days 27 - 115	104 days 48 - 164
Annual days with maximum temperature > 95°F	4 days 0 - 19	13 days 0 - 53	13 days 0 - 45	23 days 1 - 68	33 days 4 - 82	31 days 1 - 81	64 days 10 - 137
Annual days with maximum temperature > 100°F	0 days 0 - 3	2 days 0 - 17	2 days 0 - 19	5 days 0 - 40	8 days 0 - 42	8 days 0 - 40	27 days 0 - 95
Annual days with maximum temperature > 105°F	0 days 0 - 0	0 days 0 - 3	0 days 0 - 5	0 days 0 - 8	1 days 0 - 15	1 days 0 - 16	7 days 0 - 52
Annual temperature:							
Annual single highest maximum temperature °F	98 °F 92 - 104	101 °F 94 - 109	100 °F 94 - 110	103 °F 96 - 112	104 °F 97 - 114	104 °F 95 - 115	108 °F 99 - 119
Annual highest maximum temperature averaged over a 5-day period °F	94 °F 93 - 94	97 °F 95 - 100	97 °F 95 - 100	98 °F 96 - 103	100 °F 96 - 105	100 °F 96 - 105	104 °F 97 - 112
Cooling degree days (CDD)	1138 degree-days 791 - 1555	1,556 degree-days 1,031 - 2,308	1,582 degree-days 1,031 - 2,294	1,848 degree-days 1,330 - 2,503	2,090 degree-days 1,329 - 2,967	2,052 degree-days 1,415 - 2,814	2,773 degree-days 1,846 - 4,434

N/A = Data Not Available for the selected area

Prince George's County, Maryland



Total Population
955,584



% Population with Income Below Poverty
10%



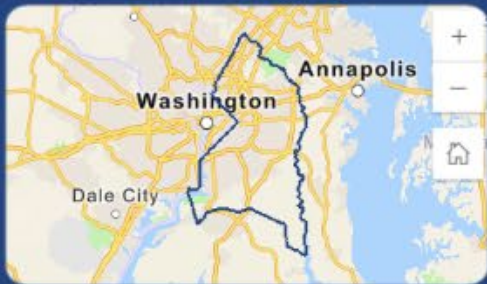
Building Codes Hazard Resistance
Resistant



National Risk Index Rating
Relatively Low
Source: [FEMA National Risk Index](#)



[Billion-Dollar Weather and Climate Disasters](#)



Drought

Future Climate Indicators

Indicator	Mid - 1900s (1951 - 1980) Min - Max	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Precipitation:							
Average annual total precipitation	41" 26 - 62	44" 24 - 72	44" 24 - 67	46" 24 - 75	46" 24 - 76	46" 24 - 69	47" 21 - 68
Days per year with precipitation (wet days)	84 days 54 - 109	86 days 61 - 118	86 days 52 - 119	87 days 50 - 117	88 days 58 - 127	86 days 55 - 114	87 days 55 - 119
Days per year with no precipitation (dry days)	282 days 256 - 311	279 days 247 - 304	279 days 246 - 313	278 days 248 - 315	277 days 238 - 307	279 days 252 - 310	278 days 246 - 310
Maximum number of consecutive dry days	24 days 13 - 53	23 days 13 - 57	24 days 12 - 49	24 days 14 - 53	23 days 14 - 55	24 days 14 - 50	24 days 11 - 48
Temperature thresholds:							
Annual days with maximum temperature > 90 °F	2 days 2 - 53	45 days 15 - 89	46 days 16 - 94	62 days 18 - 101	74 days 29 - 120	72 days 27 - 115	104 days 48 - 164
Annual days with maximum temperature > 100 °F	0 days 0 - 3	2 days 0 - 17	2 days 0 - 19	5 days 0 - 40	8 days 0 - 42	8 days 0 - 40	27 days 0 - 95

N/A = Data Not Available for the selected area

Prince George's County, Maryland

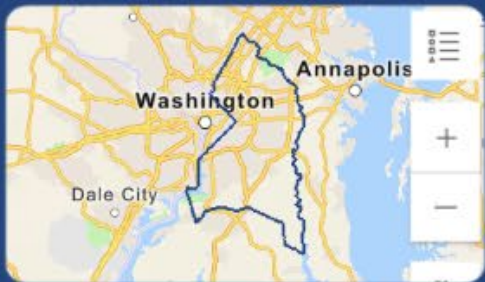
Total Population
 ⓘ 955,584

% Population with Income Below Poverty
 ⓘ 10%

Building Codes Hazard Resistance
 ⓘ Resistant

National Risk Index Rating
Very Low
 Source: [FEMA National Risk Index](#)

B [Billion-Dollar Weather and Climate Disasters](#)



U.S. Climate Resilience Toolkit
 Source: Census Bureau, CEO, Esri, FEMA, MRLC, NOAA, UCSD



Wildfire

Future Climate Indicators

Indicator	Mid - 1900s (1951 - 1980) Min - Max	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)		
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	
		Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	
Precipitation:								
Days per year with no precipitation (dry days)	282 days 256 - 311	279 days 247 - 304	279 days 246 - 313	278 days 248 - 315	277 days 238 - 307	279 days 252 - 310	278 days 246 - 310	
Maximum number of consecutive dry days	24 days 13 - 53	23 days 13 - 57	24 days 12 - 49	24 days 14 - 53	23 days 14 - 55	24 days 14 - 50	24 days 11 - 48	
Days per year with precipitation (wet days)	84 days 54 - 109	86 days 61 - 118	86 days 52 - 119	87 days 50 - 117	88 days 58 - 127	86 days 55 - 114	87 days 55 - 119	
Temperature thresholds:								
Annual days with maximum temperature > 90°F	2 days 2 - 53	45 days 15 - 89	46 days 16 - 94	62 days 18 - 101	74 days 29 - 120	72 days 27 - 115	104 days 48 - 164	
Annual days with maximum temperature > 100°F	0 days 0 - 3	2 days 0 - 17	2 days 0 - 19	5 days 0 - 40	8 days 0 - 42	8 days 0 - 40	27 days 0 - 95	

N/A = Data Not Available for the selected area

Prince George's County, Maryland

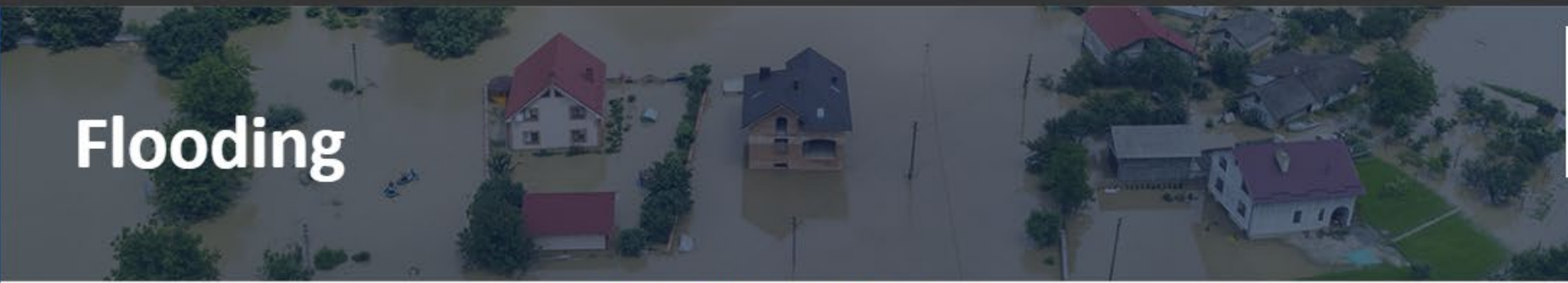
Total Population
 ⓘ 955,584

% Population with Income Below Poverty
 ⓘ 10%

Building Codes Hazard Resistance
 ⓘ Resistant

National Risk Index Rating
Relatively Low
 Source: [FEMA National Risk Index](#)

B Billion-Dollar Weather and Climate Disasters



Flooding

Future Climate Indicators

Indicator	Mid - 1900s (1951 - 1980) Min - Max	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)	
		Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Precipitation:							
Annual average total precipitation	41" 26 - 62	44" 24 - 72	44" 24 - 67	46" 24 - 75	46" 24 - 76	46" 24 - 69	47" 21 - 68
Days per year with precipitation (wet days)	84 days 54 - 109	86 days 61 - 118	86 days 52 - 119	87 days 50 - 117	88 days 58 - 127	86 days 55 - 114	87 days 55 - 119
Maximum period of consecutive wet days	5 days 3 - 14	5 days 3 - 12	5 days 3 - 10	6 days 3 - 13	6 days 3 - 10	6 days 3 - 15	6 days 3 - 13
Daily precipitation > 99th percentile	3" 0 - 15	3" 0 - 20	3" 0 - 20	4" 0 - 18	4" 0 - 27	4" 0 - 26	4" 0 - 23
Annual days with:							
Annual days with total precipitation > 1 inch	8 days 2 - 16	9 days 2 - 18	9 days 2 - 18	10 days 3 - 20	10 days 4 - 23	10 days 3 - 20	11 days 2 - 21
Annual days with total precipitation > 2 inches	1 days 0 - 5	1 days 0 - 5	1 days 0 - 6	1 days 0 - 6	2 days 0 - 7	2 days 0 - 8	2 days 0 - 7
Annual days with total precipitation > 3 inches	0 days 0 - 2	0 days 0 - 3	0 days 0 - 3	0 days 0 - 3	0 days 0 - 3	0 days 0 - 4	0 days 0 - 3
Annual days with precipitation > 99th percentile	1 days 0 - 4	1 days 0 - 5	1 days 0 - 6	1 days 0 - 5	1 days 0 - 5	1 days 0 - 8	1 days 0 - 7
Days with maximum temperature below 32 °F	9 days 0 - 30	4 days 0 - 21	4 days 0 - 30	3 days 0 - 20	2 days 0 - 11	1 days 0 - 9	0 days 0 - 9

The daily precipitation 99th percentile is 2"

N/A = Data Not Available for the selected area



Prince George's County, Maryland



Total Population
955,584



% Population with Income Below Poverty
10%



Building Codes Hazard Resistance
Resistant

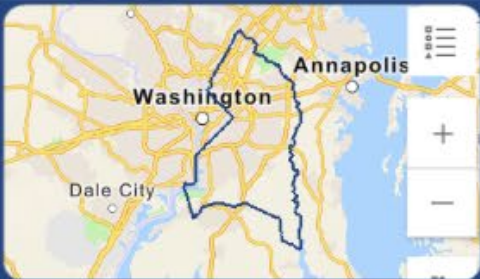


National Risk Index Rating
Relatively Low

Source: FEMA National Risk Index



Billion-Dollar Weather and Climate Disasters



U.S. Climate Resilience Toolkit

Source: Census Bureau, CEO, Esri, FEMA, MRLC, NOAA, UCSD



Coastal Inundation

Future Climate Indicators

Indicator	Early Century (2011 - 2040)		Mid Century (2041 - 2070)		Late Century (2071 - 2100)	
	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
Sea Level Rise:						
Low estimate of sea level rise (feet)	0.7	0.8	1.4	2.0	2.0	3.8
Mean estimate of sea level rise (feet)	0.9	1.0	1.7	2.6	2.4	5.1
High estimate of sea level rise (feet)	1.1	1.3	2.0	3.3	3.0	6.0
Percent area impacted by sea level rise	0.3%	0.4%	0.5%	0.6%	0.6%	0.9%

The following sites offer more information on coastal inundation:

- [Coastal inundation dashboard](#)
- [Monthly high tide flooding outlook](#)
- [Annual high tide flooding outlook](#)
- [Inundation Analysis Tool](#)
- [2022 Interagency Sea Level Rise Technical Report](#)
- [Sea level rise viewer](#)
- [Sea level calculator](#)

N/A = Data Not Available for the selected area



Hazard Mitigation Assistance

Mitigation Action Portfolio



FEMA



BRIC Project Scoping Guide

Highlight Section
This section features primary highlights from the project, including unique or exemplary components and quantitative and qualitative impacts.

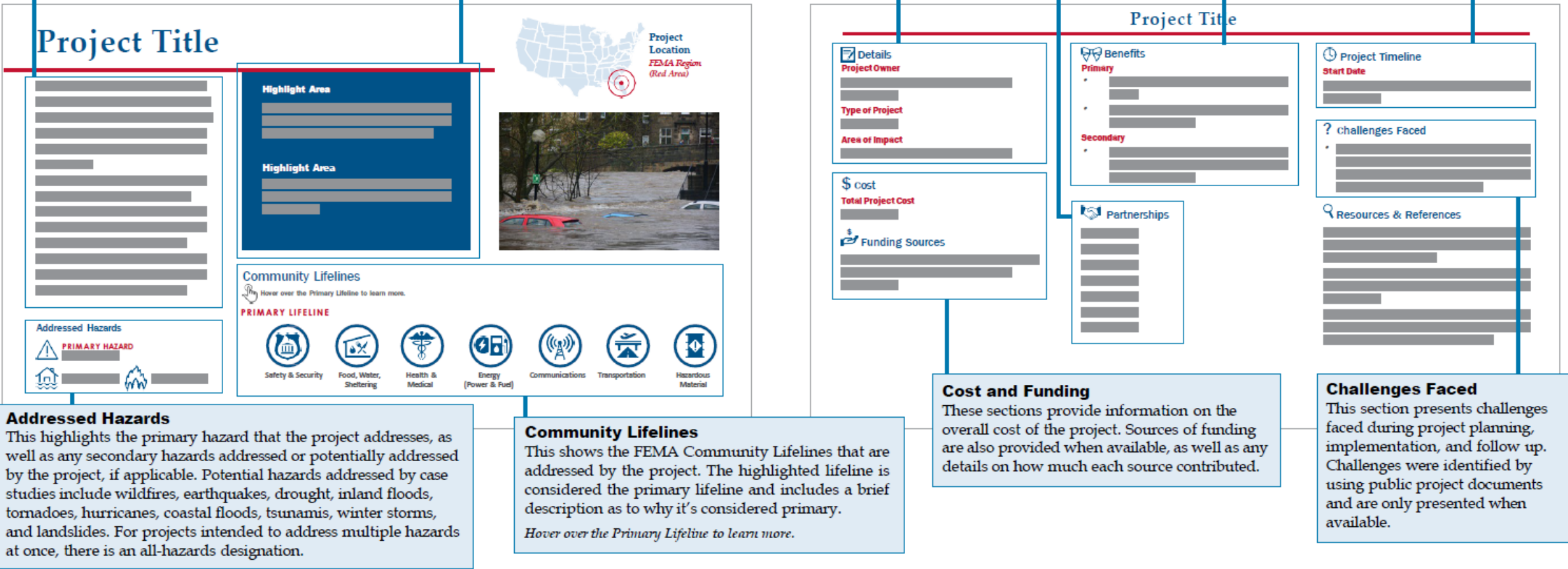
Details Section
This section presents several project details, including who owns the project, such as a local government body or a specific organization, and what type of project it is. The area of impact represents the total geographic area that the project encompasses, such as a building, a neighborhood, or a city. When available, the number of people impacted is also presented here.

Benefits
Primary and secondary benefits of the project are presented here. This includes both benefits to the community, as well as to any local infrastructure.

Timeline
This section lists the project timeline, including the start date, current status, and completion date. If the project is still in progress, an anticipated completion date is presented if known.








Project Description
This section provides an overview of the case study project.








Partnerships
A list of partners involved in the project is presented here.



FEMA Community Lifelines Addressed per Case Study

The table below displays the community lifelines addressed by the case studies in this portfolio, organized by primary hazard. The community lifeline that is considered the “primary community lifeline” is shaded for each case study in red.

HAZARD	PROJECT NAME	COMMUNITY LIFELINES						
		 Safety & Security	 Food, Water, Shelter	 Health & Medical	 Energy (Power & Fuel)	 Communications	 Transportation	 Hazardous Material
All Hazards (4 Case Studies)	Blue Lake Rancheria Tribe Microgrid	x	x		x			
	Bronzeville Microgrid Project	x	x		x	x	x	
	ConnectArlington Communication Infrastructure Upgrades	x		x		x	x	
	Massachusetts State Hazard Mitigation and Climate Adaptation Plan	x	x	x	x	x	x	x
Coastal Flooding (5 Case Studies)	LaGuardia Airport Flood Control	x			x		x	
	NYU Langone Medical Center Flood Resilience Projects	x	x	x	x			
	Mexico Beach Recovery and Resiliency Partnership	x	x				x	
	Relocation of Newtown Village	x	x	x	x	x	x	
Virginia Point Wetland Protection Project	x			x		x		
Drought (1 Case Study)	Salinas Aquifer Storage and Recovery	x	x					
Earthquakes (3 Case Studies)	Alaska Building Codes	x	x					
	Berkeley Seismic Vulnerability Retrofits	x	x					
	Earthquake Safety Retrofits at Good Samaritan Hospital	x	x	x				
Hurricanes (4 Case Studies)	Florida Building Codes	x	x					
	Nicklaus Children's Hospital Hurricane Retrofits	x	x	x				
	NY Rising Community Reconstruction: Recovery and Resiliency Initiative	x	x	x			x	
	Renovation of Alexander Theater	x	x					

HAZARD	PROJECT NAME	COMMUNITY LIFELINES						
		 Safety & Security	 Food, Water, Shelter	 Health & Medical	 Energy (Power & Fuel)	 Communications	 Transportation	 Hazardous Material
Inland Flooding (15 Case Studies)	Atlanta Stormwater Ordinance and Green Infrastructure Program	x						x
	Bidwell Paiute Tribal Reservation Flood Mitigation Project	x	x		x			x
	Buffalo, WY Flood Control	x						x
	Cleveland and Northern Ohio Regional Stormwater Management and Flood Mitigation Program	x	x					
	Cuyahoga Falls Rain Garden Reserve	x	x					
	Exploration Green Stormwater Park	x	x	x				x
	Harris County Flood Control District Voluntary Acquisition Program	x	x					
	Lincoln Wastewater Treatment Plant Flood Mitigation	x	x	x				
	Minot Water Treatment Plant Floodwall	x	x					
	Northwest Resiliency Park	x	x					x
	Petaluma Payran Reach Flood Control and Floodways	x	x	x				x
	Resilient Shelby's Greenprint for Resilience	x	x					x
	Resilient St. Vrain Nature-Based Flood Protection	x	x	x				x
	Spring Creek Drainage Improvement Project	x						x
	Worthington County Ditch 12 Flood Mitigation Project	x	x					
Landslides (3 Case Studies)	American Samoa Rockfall Mitigation Project	x						x
	Rocky Boy's Reservation Lagoon Relocation	x	x	x				
	Washington DOT Landslide Mitigation Action Plan and Rail Corridor Improvements	x						x
Tornadoes (1 Case Study)	Mercy Hospital Rebuild	x	x	x				
Tsunamis (2 Case Studies)	Alaska DHS and EM Tsunami Education, Mapping, and Siren Check	x	x	x				
	Shoalwater Bay Tribe Tsunami Evacuation Structure	x	x					
Wildfires (2 Case Studies)	Camptonville Biomass Plant	x			x			
	Colorado Springs Wildfire Mitigation	x	x	x				
Winter Storms (1 Case Study)	Nebraska and Kansas Electrical System Ice and Wind Storm Mitigation Projects	x			x			