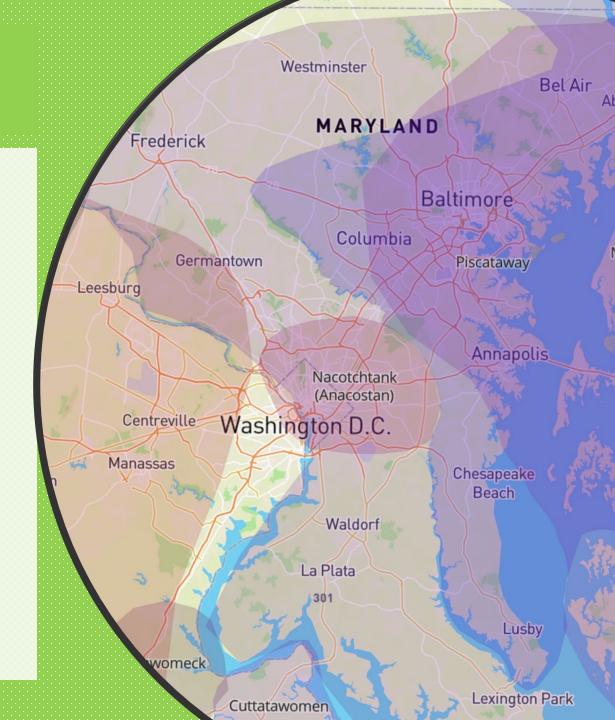


## Land Acknowledgement

It is important to create dialogue and honor those who have been systemically disenfranchised. At CEEJH, we recognize the following:

- 1. Until recently, the existence, histories, and culture of North America's indigenous peoples have all but been erased from institutions, consciousness, and mainstream society in the United States.
- 2. The University of Maryland-College Park campus is built on the ancestral lands of the <u>Piscataway</u> and <u>Nacotchtank</u> People.
- 3. The indigenous lands that we now occupy were violently taken from the Piscataway People by European colonists.

We pay respect to the Piscataway and Nacotchtank people, their elders, and their ancestors.



# What is a park? What is green space?



















# What Does Equity Mean?

- Equity is the quality of:
  - 1. being fair and impartial
  - 2. Providing access, opportunity, and advancement for all
  - 3. Identifying and eliminating barriers to participation

Equal access to opportunities and resources for all members of society

# Equality vs Equity vs Justice







# Park Equity Means...

Creating equal access to opportunities in parks and other green spaces for all

# Opportunities?

#### Per MDNR LPRP:

- Water recreation,
- Natural areas,
- Picnicking,
- Trails,
- Hunting,
- Fishing



LAND PRESERVATION AND RECREATION PLAN 2019-2023





## Green Space Health Benefits



#### **GREENSPACE EXPOSURE**

#### **Instoration**

Encouraging physical activity and social unity

#### **Restoration**

- Direct and Restore
   Attention and Focus
  - **Stress Recovery**

#### **Mitigation**

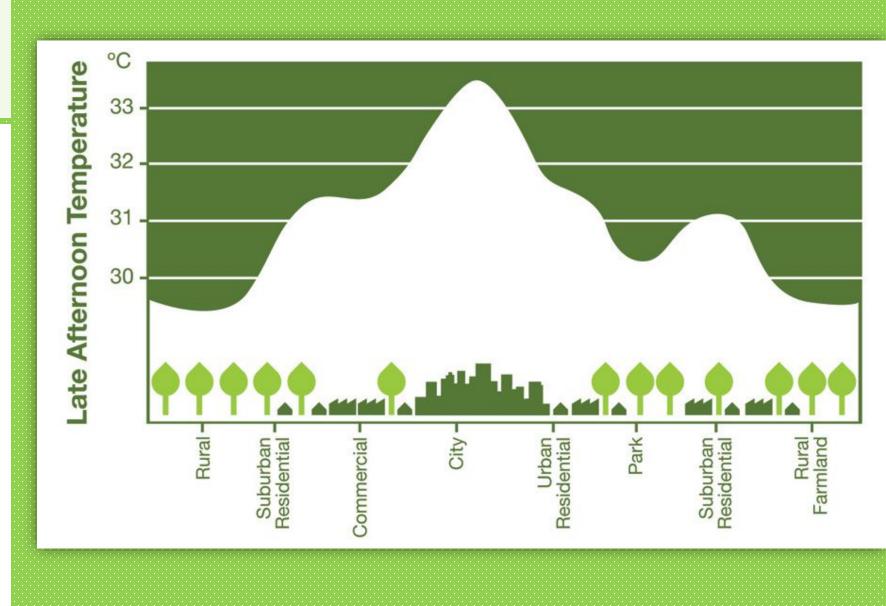
Reducing toxic exposures and stressors

**HEALTH AND WELL-BEING** 

# MORE Green Space Benefits

- Economic
  - Housing and business value
- Ecologic
  - Stormwater and climate (e.g. heat) mitigation
- Sociologic
  - Crime\*

    \*When parks are well-maintained!

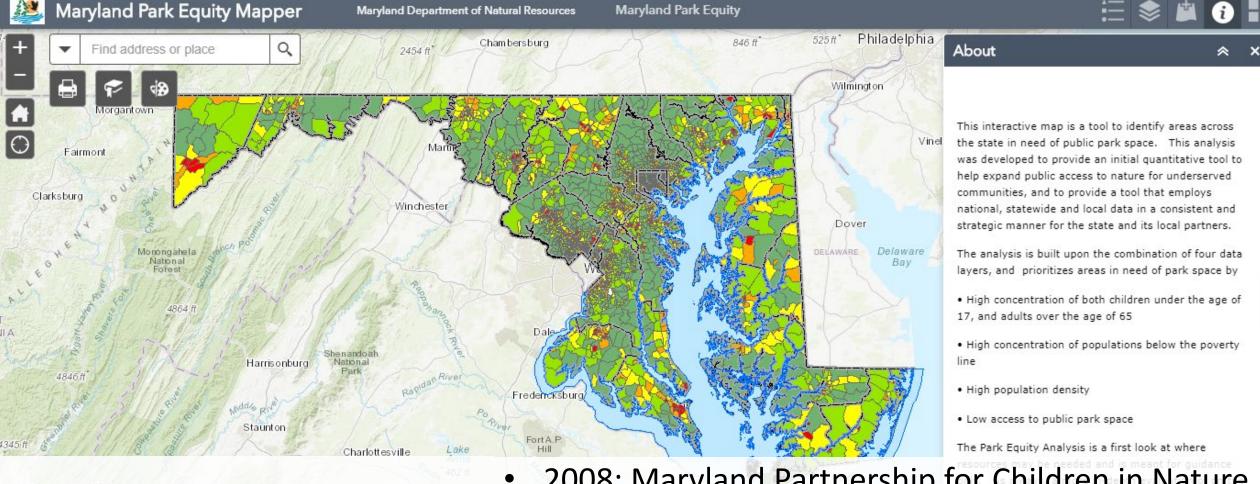


## Factors Affecting Park Access (n=33 articles)

- % Non-White
- Median Household Income
- % Less Than High School Education
- % Children under 18
- % Adults over 65
- % Obesity
- Homes built before 1950
- Walkability
- Public Transportation Access
- Bikeability
- Maintenance of facilities

- Park Size
- Type of Equipment
- Neighborhood crime
- Pedestrian Safety
- Population Density
- Nightime lighting/visibility
- LULUs (e.g. landfills)
- Traffic
- Major water discharges
- Air pollution
- Distance to Park
- Linguistic Isolation





### MD DNR Park Equity Mapper

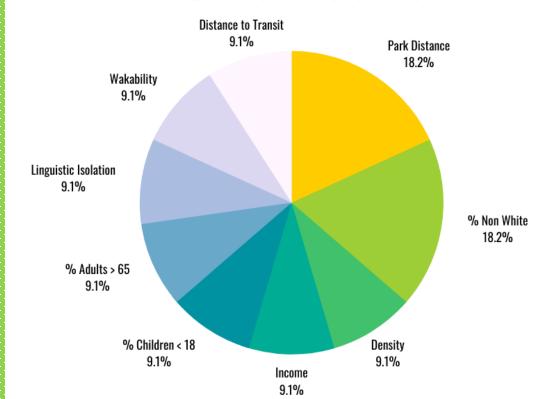
- 2008: Maryland Partnership for Children in Nature
- 2015/2016 Update:
  - Improved local data (census block group vs previous tracts)
  - Prince George's Co. data for "park poor" and "under canopied" senior citizens (65+) and minors (<18)

# MARYLAND'S PARK EQUITY TOOL

HTTPS://DNR.MARYLAND.GOV/ PAGES/PARKEQUITY.ASPX

#### PARK EQUITY DATA LAYERS

LAYERS & WEIGHTING OF MODEL





#### PARK DISTANCE LOCAL AND STATE DATA

POPULATION DENSITY
US CENSUS



INCOME US CENSUS

% NON-WHITE US CENSUS



LINGUISTIC ISOLATION
US CENSUS

% CHILDREN < 18 US CENSUS

% ADULTS > 65 US CENSUS



WALKABILTIY EPA EJ SCREEN

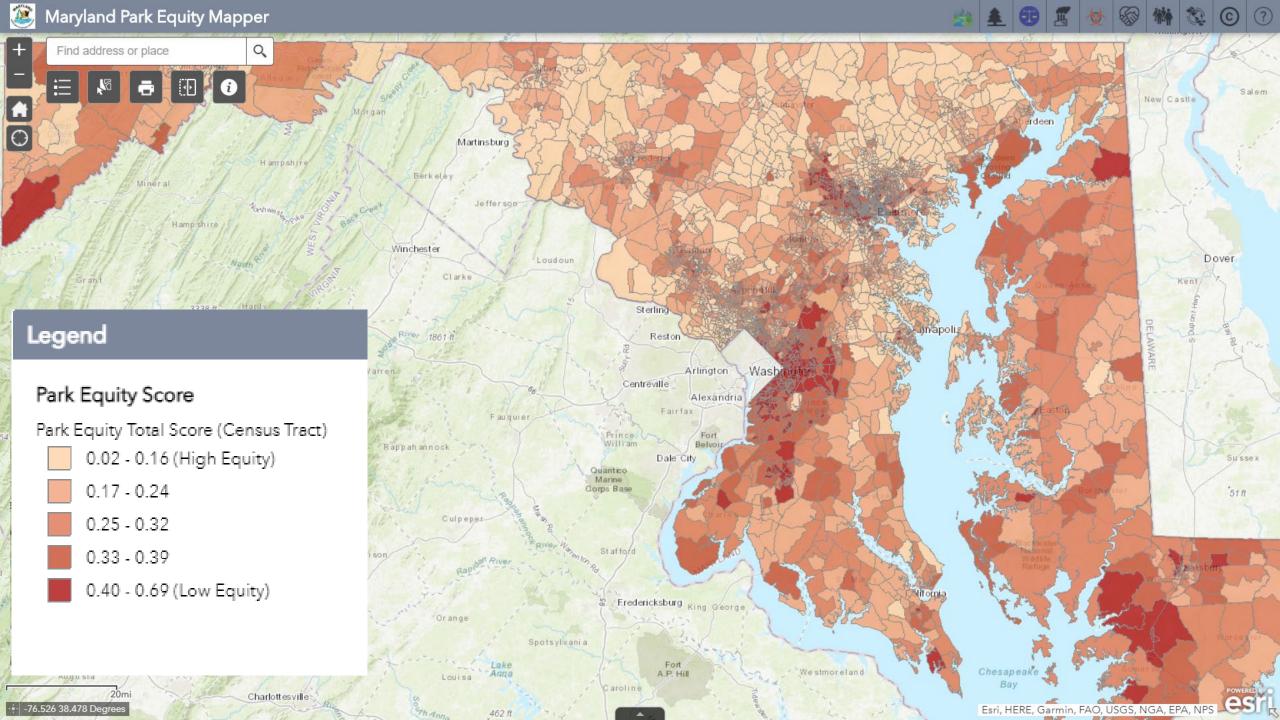
ACCESS TO TRANSIT MARYLAND DOT

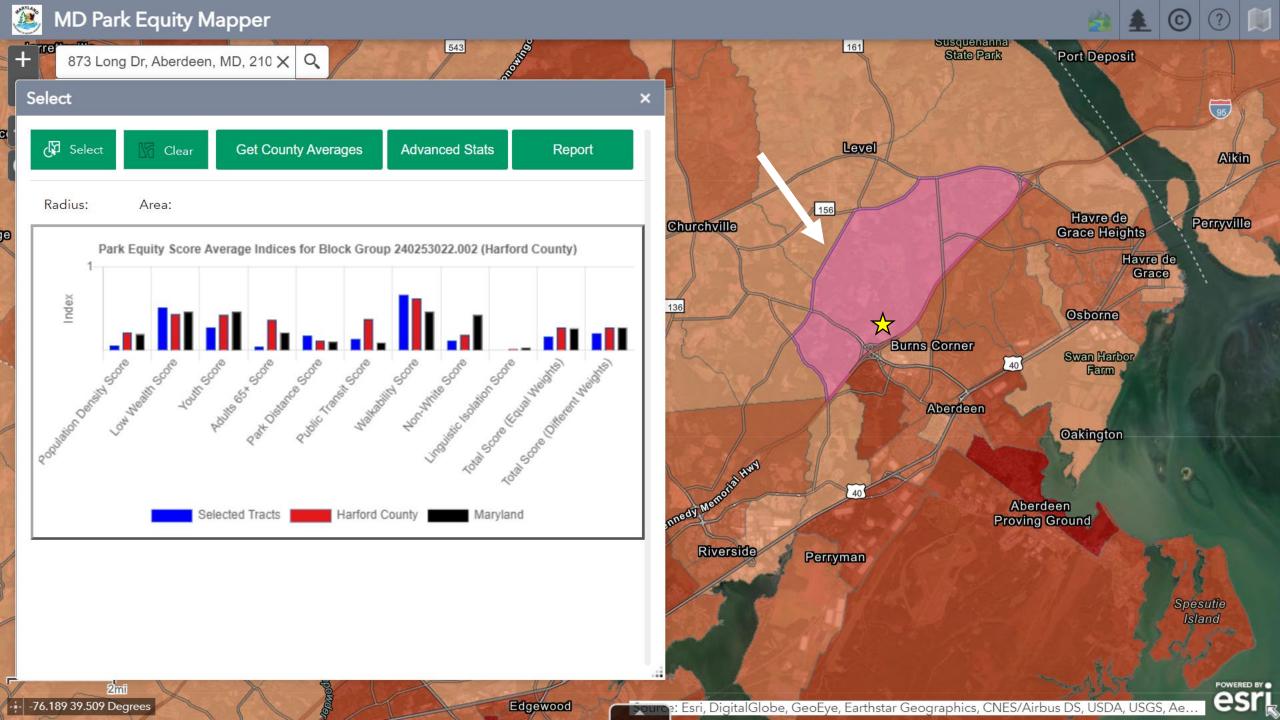


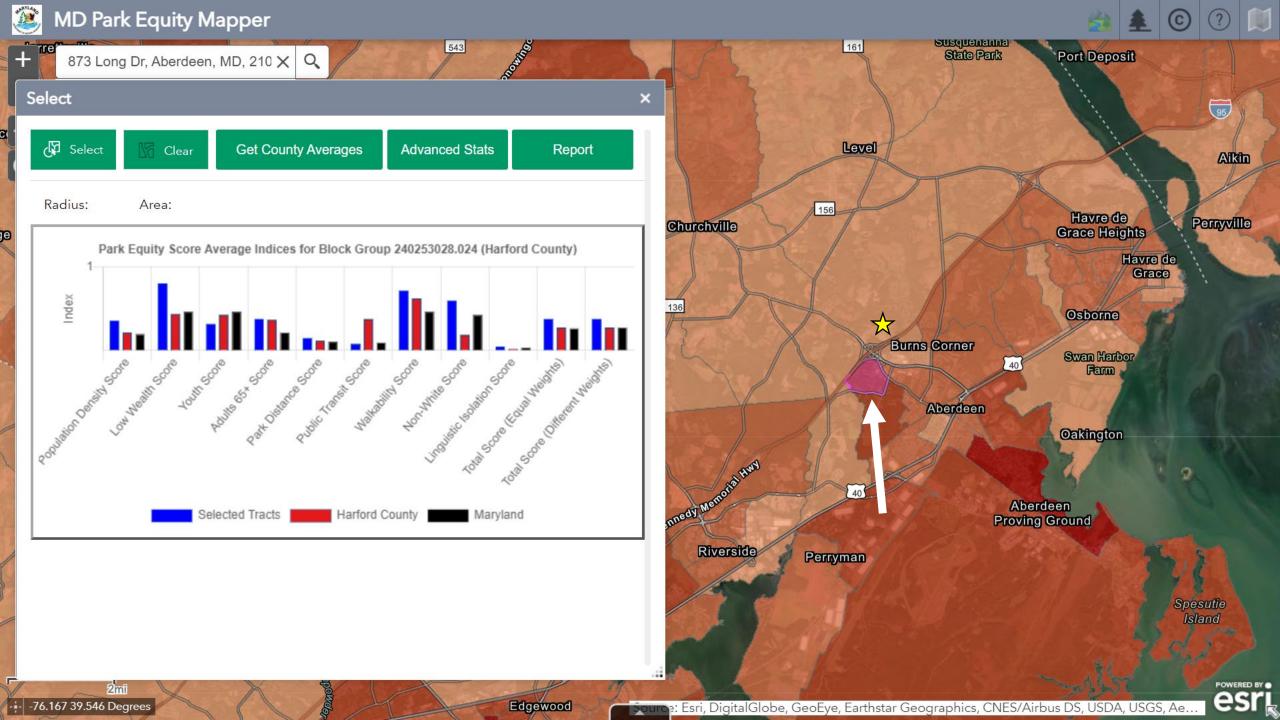


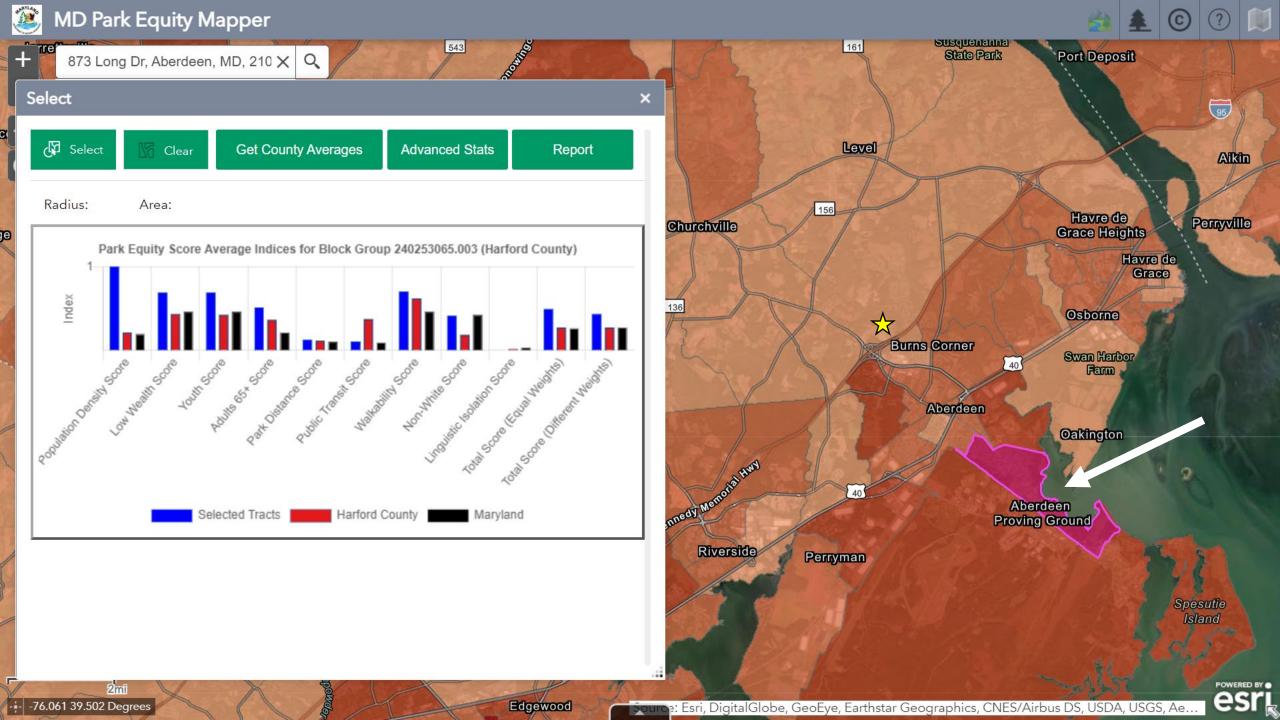
## MD Park Equity Mapper allows users to:

- Explore layers of green space access concern,
- Determine/Compare 'Score' of different census block groups throughout the state, and
- View additional context layers relevant to specific areas of concern.
- Regulators: Identify areas of park need
- Residents: Document lived experiences



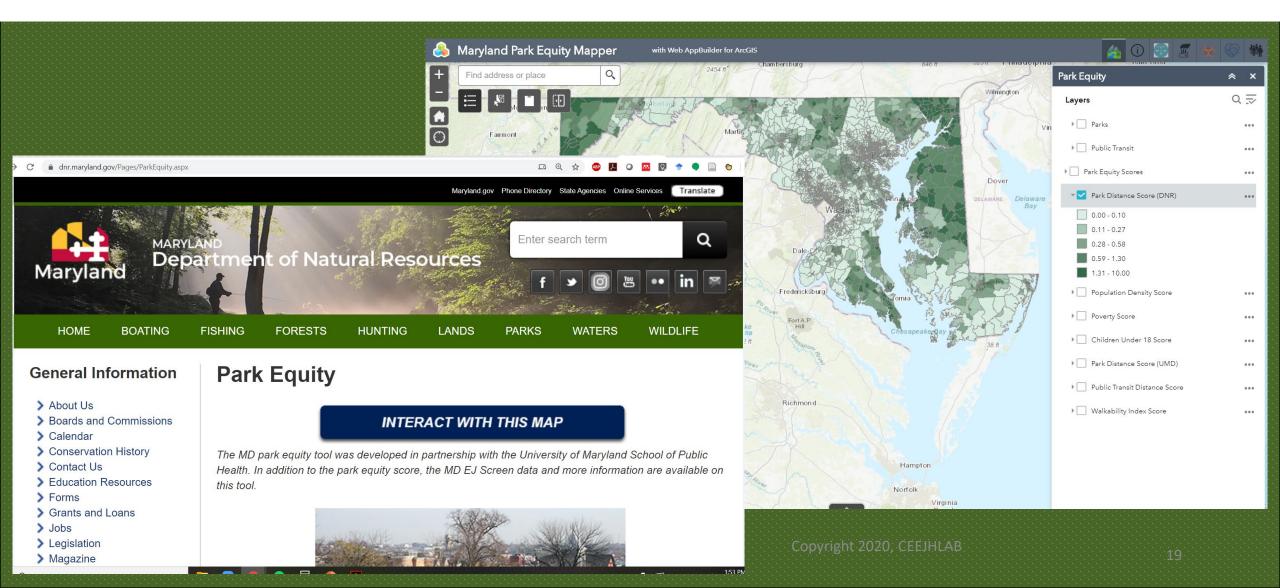








### LINK: <a href="https://dnr.maryland.gov/Pages/ParkEquity.aspx">https://dnr.maryland.gov/Pages/ParkEquity.aspx</a>



## Partners

- Many thanks to our collaborators at the **National Center for Smart** Growth, Maryland Department of Natural Resources, and UMD CGIS.
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