

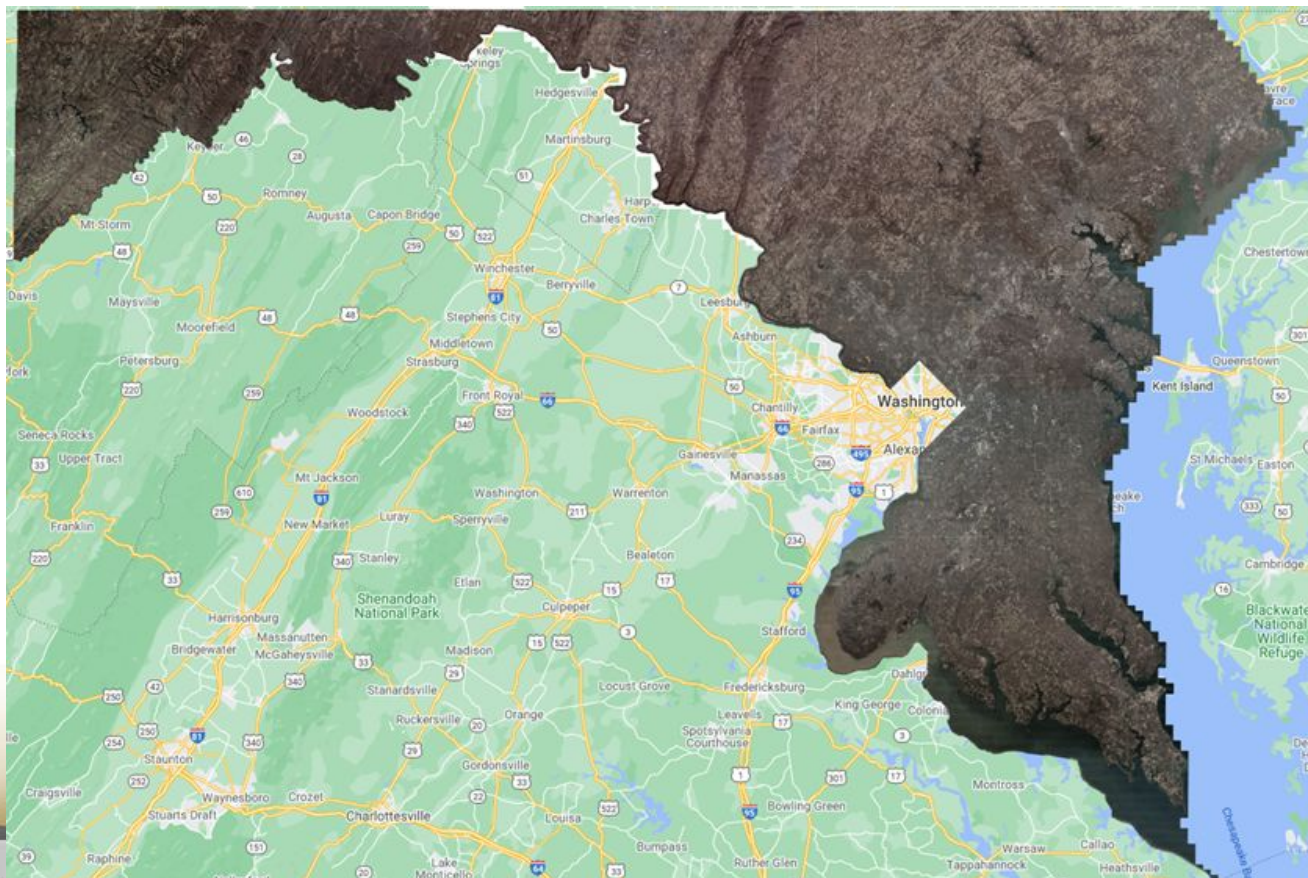
# MSGIC Summer 2021 Quarterly Meeting

Presentation: State Caucus Update

J.B. Churchill & John Lesko (co-chairs)

# Maryland Department of Information Technology; GIO

Update for  
the  
Western  
Shore 2020  
Digital  
OrthoImagery  
Production



# Maryland Department of the Environment (MDE)

## Identifying Buffer Plantings for Trout and Stormwater Credits

In a collaborative effort including the Department of the Natural Resources, Maryland Forest Service, and the Maryland Department of the Environment, a new initiative is underway to identify buffer plantings for trout and stormwater credits.



**Maryland**  
Department of  
the Environment

# Identifying Buffer Plantings for Trout and Stormwater Credits



- Collaborative project with DNR and MDE
- Using Chesapeake Conservancy's 2013 land cover data, identify tree planting opportunities in 50m buffers in trout watersheds
- For each jurisdiction rank parcels with tree planting opportunity, prioritizing larger plantings further up in the watershed



# Identifying Buffer Plantings for Trout and Stormwater Credits

- MDE will take results to local governments to help plan new buffer planting projects to comply with urban stormwater permits;
- Will utilize MDE's new Forest Financing Implementation Tool to explore planting financing and potential credits and ecosystem services from Plantings



# Identifying Buffer Plantings for Trout and Stormwater Credits

Iris Allen (DNR)

Dan Goetz (Fisheries) and

Paul Emmart (MDE)

- For more information about the tool:

<https://mde.maryland.gov/programs/Water/TMDL/DataCenter/Pages/TMDLStormwaterImplementation.aspx>



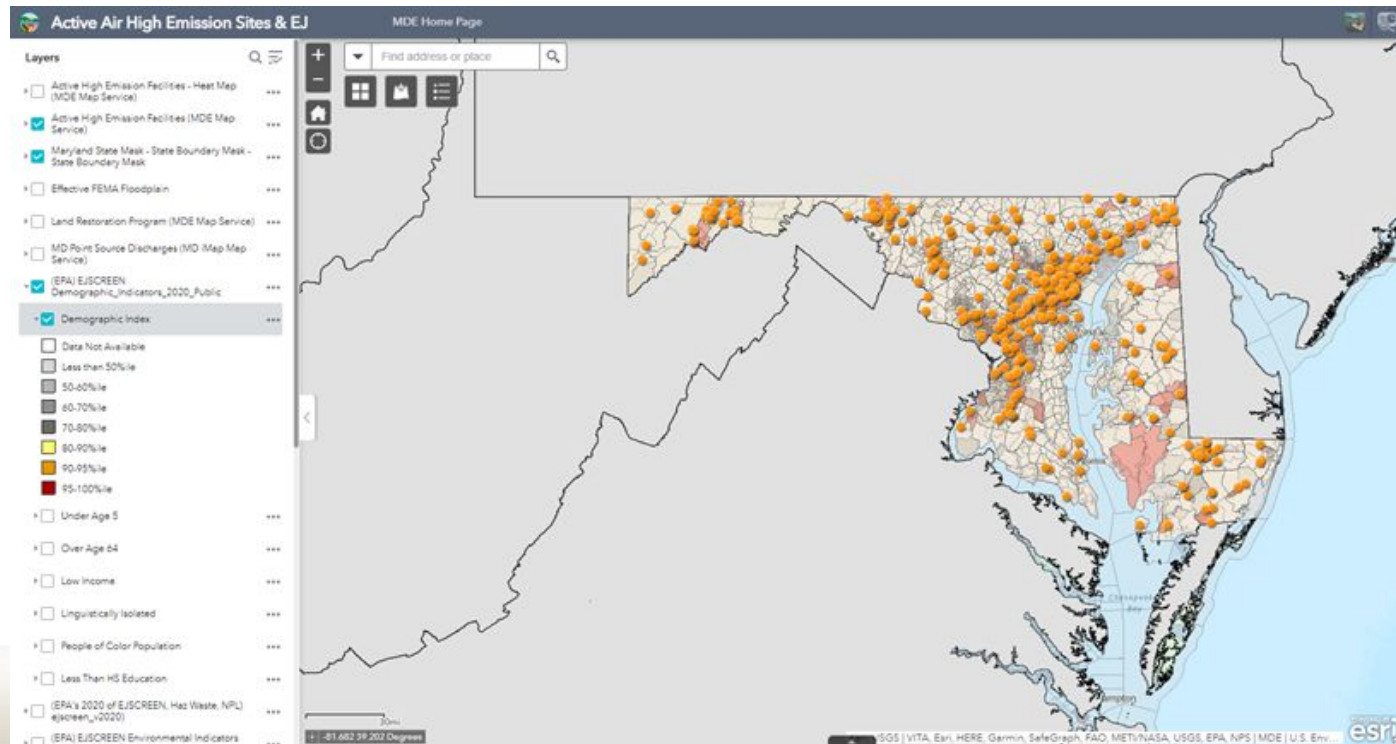
# Maryland Department of the Environment (MDE)

MDE  
Environmental  
Justice  
Screening

Comparison and  
Screening  
Tools



Maryland  
Department of  
the Environment



# Maryland Department of the Environment (MDE)

## MDE Environmental Justice Screening Comparison And Screening Tools

MDE is developing a web mapping application that incorporates the data from EPA, UMD and other MD Web map services data to demonstrate that we can use existing tools and EJ index's and indicators.

We can then overlay our MDE permitting data, to identify areas that are under an EJ burden and then look at patterns where key permits may need additional outreach to those communities.



# Maryland Department of the Environment (MDE)

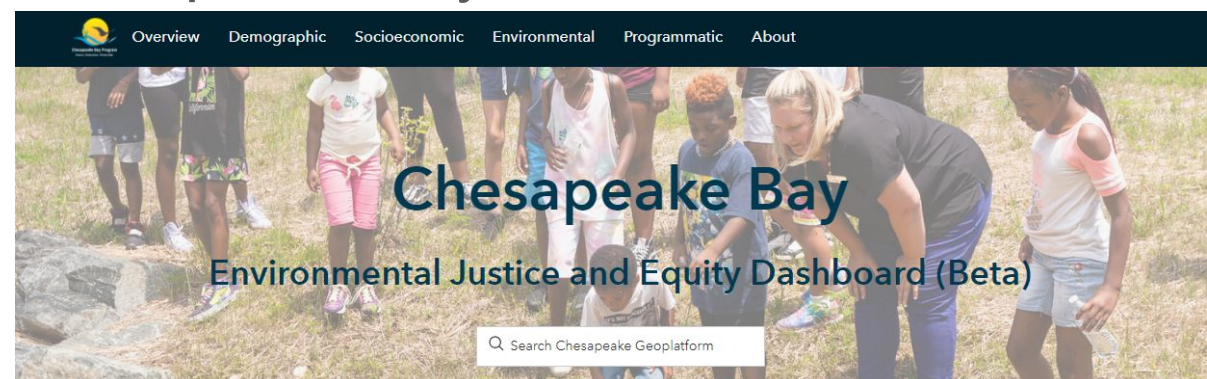
## MDE Environmental Justice Screening

MDE has developed an EJ screening tool. This allows the user to input an address, add a buffer distance, and draw areas on the map to see where permitted facilities are located.

## Comparison And Screening Tools

This allows MDE to create reports to further identify areas within an environmentally burdened location.

# Chesapeake Bay Environmental Justice and Equity Dashboard



[Overview](#) [Demographic](#) [Socioeconomic](#) [Environmental](#) [Programmatic](#) [About](#)

[What is the Dashboard?](#) [What can you do with it?](#) [Getting Started](#) [Example Uses](#) [Navigation](#)

*The Chesapeake Executive Council's Diversity, Equity, Inclusion and Justice (DEIJ) Statement commits to including DEIJ in all areas of Chesapeake Bay restoration and conservation. To help workgroup leaders identify opportunities to implement DEIJ into their work, we have developed the Chesapeake Environmental Justice and Equity Dashboard, a web application that integrates data from multiple sources to convey demographic, socioeconomic, environmental, and programmatic topics connected to the Chesapeake Bay Watershed Agreement and Chesapeake specific DEIJ initiatives.*

*The dashboard is currently accessible in this draft or beta release as we collect information from users on content and usability. Please send comments or suggestions to [diversitydashboard@chesapeakebay.net](mailto:diversitydashboard@chesapeakebay.net).*

<https://chesapeake-deij2-chesbay.hub.arcgis.com/>

# Maryland Department of the Environment (MDE)

## MDE Environmental Justice Screening

## Comparison And Screening Tools

### Screening Report Map



#### Screening Report

Area of Interest (AOI) Information

Area: 1,561,894,000.25 ft<sup>2</sup>

Jul 16 2021 9:57:35 Eastern Daylight Time



Legend: (Screening Results) (AOI) (Map Services)

- Demographic Index
- Color Not Available
- Longitudinal Index
- Latitudinal Index
- AOI

Source: EPA, US Census, Maryland Department of the Environment, USGS, NOAA, and other data sources. Data is for informational purposes only.

### Screening Report Summary

#### Summary

Name	Count	Area(ft <sup>2</sup> )	Length(ft)
High Air Emission Facilities	6	N/A	N/A
EJ Score for Demographics	49	1,561,894,182.19	N/A
EPA EJ Scores	91	1,561,894,180.53	N/A

#### High Air Emission Facilities

#	Agency ID	Agency Name	Air Code	co	nitrogen
1	3634	Aggregate Industries - Kirby Road Asphalt Plant	SOP	30.17	14.36
2	17549	Lee Funeral Home, Inc	SOP	0.00	0.00
3	23309	Barnabas Road Associates, LLC	SOP	9.93	8.73
4	28263	Andrews Air Force Base	SOP	9.27	14.25
5	32436	Clean Earth of Greater Washington, LLC	SOP	0.13	0.61
6	153473	Soil Safe, Inc. Foxley Rd	SOP	1.69	7.66

#	pm10	pt	voc	sox	pm25
1	2.00	2.68	8.12	0.62	0.34
2	0.00	0.00	0.00	0.00	0.00
3	0.89	1.13	2.06	2.42	0.02
4	0.85	0.82	0.95	0.05	0.70
5	0.11	0.16	0.05	0.04	0.04
6	2.43	4.44	0.92	0.52	0.84

#	pmcondense	carbon_dioxide	mercury	methane	Count
1	3.54	7,592.44	0.00	2.18	1
2	0.00	0.00	0.00	0.00	1
3	0.00	1,081.71	0.00	0.00	1
4	1.66	9,961.60	0.00	0.19	1
5	0.00	22.00	0.00	0.00	1
6	0.00	291.54	0.00	0.00	1

DOIT.MARYLAND.GOV

# Maryland Department of the Environment (MDE)

MDE  
Environmental  
Justice  
Screening  
  
Comparison  
And Screening  
Tools

Screening Report Demographics  
Summary

#	Census_Tract	EJScore	Area(sq)
1	24033800701	0.41	230,233,873.80
2	24033801104	0.26	193,881,138.25
3	24033800707	0.45	129,890,717.89
4	24033800706	0.33	113,681,905.19
5	24033801214	0.54	87,949,621.48
6	24033800201	0.62	55,452,743.14
7	24033801905	0.71	51,541,911.69
8	24033801407	0.52	48,948,901.56
9	24033801901	0.68	47,571,470.79
10	24033801213	0.42	46,569,786.13
11	24033801907	0.75	44,383,745.15
12	24033801904	0.69	40,815,915.72
13	24033801215	0.43	38,814,391.25
14	24033800704	0.39	36,390,279.91
15	24033801210	0.39	36,821,689.51
16	24033801211	0.52	34,383,321.00
17	24033801212	0.49	30,281,587.55
18	24033801701	0.53	23,314,281.82
19	24033801908	0.73	20,288,607.80
20	24033802001	0.56	20,820,488.42
21	24033801217	0.42	19,860,875.11
22	24033802104	0.71	18,902,415.75
23	24033800203	0.59	17,826,696.59
24	24033800202	0.66	17,587,509.28
25	24033800103	0.65	16,478,978.48
26	24033801906	0.71	16,595,068.81

EPA EJ Scores  
Summary

#	ID	% people of color	% low income	Demographic Index	Area(sq)
1	24033800701	84% (87)val	7% (87)val	50% (74)val	188,822,100.22
2	24033800707	87% (88)val	7% (87)val	47% (77)val	129,701,878.10
3	24033800701	89% (89)val	12% (17)val	50% (74)val	113,680,454.58
4	24033801001	91% (77)val	0% (57)val	2% (57)val	85,208,234.70
5	24033800702	96% (89)val	19% (84)val	58% (79)val	81,304,384.87
6	24033800202	96% (98)val	11% (19)val	54% (79)val	55,436,589.53
7	24033801902	97% (77)val	0% (57)val	0% (57)val	58,791,817.98
8	24033801903	98% (87)val	24% (87)val	38% (87)val	54,284,140.20
9	24033801001	94% (80)val	13% (80)val	54% (77)val	35,844,828.47
10	24033801213	87% (92)val	0% (12)val	53% (78)val	38,536,239.21
11	24033801902	88% (88)val	10% (14)val	49% (77)val	38,508,989.40
12	24033801214	88% (88)val	10% (82)val	54% (77)val	34,891,271.95
13	24033801907	96% (94)val	23% (84)val	59% (82)val	33,745,588.67
14	24033801211	77% (88)val	34% (85)val	54% (77)val	32,872,174.20
15	24033801212	88% (84)val	24% (84)val	60% (82)val	27,854,852.82
16	24033801901	82% (88)val	42% (77)val	62% (84)val	25,855,768.01
17	24033801902	87% (90)val	23% (88)val	60% (82)val	24,422,709.83
18	24033800701	87% (88)val	13% (18)val	53% (77)val	22,792,703.23
19	24033801217	88% (87)val	7% (77)val	48% (72)val	18,731,340.79
20	24033801210	88% (88)val	10% (13)val	48% (77)val	18,111,828.88
21	24033801212	87% (88)val	0% (10)val	47% (77)val	18,876,880.53
22	24033801702	97% (90)val	17% (88)val	67% (80)val	15,840,277.83
23	24033801211	88% (88)val	2% (17)val	48% (80)val	16,827,181.70
24	24033801903	89% (89)val	19% (87)val	54% (77)val	15,426,344.81
25	24033802101	97% (98)val	23% (80)val	60% (82)val	14,875,400.23
26	24033801901	98% (88)val	10% (13)val	50% (78)val	16,404,533.89
27	24033801901	87% (88)val	10% (82)val	52% (78)val	14,170,230.72
28	24033801902	84% (88)val	17% (88)val	58% (74)val	15,895,860.42
29	24033801901	87% (88)val	2% (17)val	48% (78)val	15,865,368.83
30	24033801211	87% (88)val	4% (57)val	50% (74)val	13,580,518.72

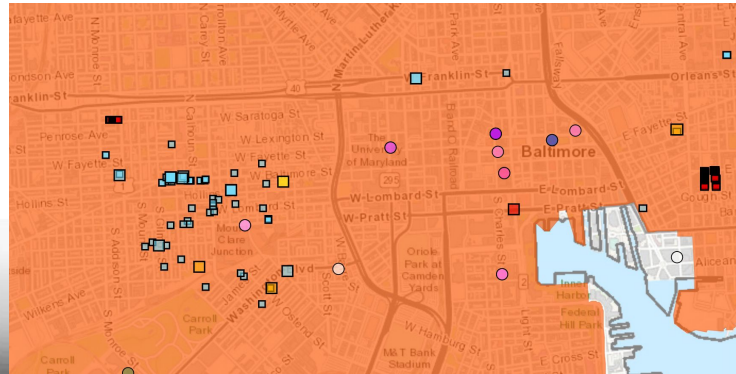


# Maryland Department of Housing & Community Development (DHCD)

## The Dept. (DHCD)'s Revitalization Division has a new app (DRAFT)

### [Neighborhood Revitalization Programs Mapper](#)

- Search: Year, Program, Status, and County
- More Dashboards to come (“before and after” data)



(1 of 5)	
DHCD Status	Active
Application Program Name	Baltimore Regional Neighborhoods Initiative
Program Name	Baltimore Regional Neighborhoods Initiative
Applicant/Awardee/Org Name	Southwest Partnership
Project Name	Defensible Spaces
Project Description	Create defensible spaces of old public right of ways that no longer serve the public good by gating and ..
<a href="#">Zoom to</a>	

# Maryland Dept. of Transportation / State Highway Administration

- CTP Application
- Traffic Signal Migration
- New Official Highway Map

CTP

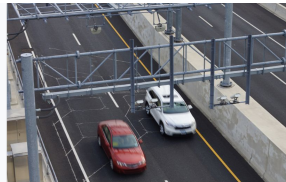
## Capital Programming



FY2021 - FY2026

### Maryland CONSOLIDATED TRANSPORTATION PROGRAM

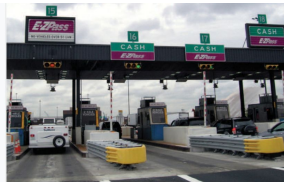
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### Chapter 30 Scoring

The Chapter 30 scoring model evaluates projects across nine goals and twenty-three measures, that were established in statute, using a combination of project data, modeling analysis, and qualitative questionnaires.

Chapter 30 Scoring



### Asset Management

MDOT manages a wide range of asset classes that make up the infrastructure base to provide services to Maryland's residents and businesses, along with those traveling to or through the State. Asset management is a holistic approach of balancing costs, opportunities, and risks against the desired performance of assets.

Strategic Asset Management Plan



### Fall Tour Meetings

Annually, the Maryland Department of Transportation (MDOT) meets with each County in the State of Maryland, along with Baltimore City, to share the Draft Consolidated Transportation Program between September 15th and November 15th.


Fall Tour Schedule



### Priority Letters

Annually, each county should submit their letter of transportation priorities to MDOT by April 1st.

Priority Letters

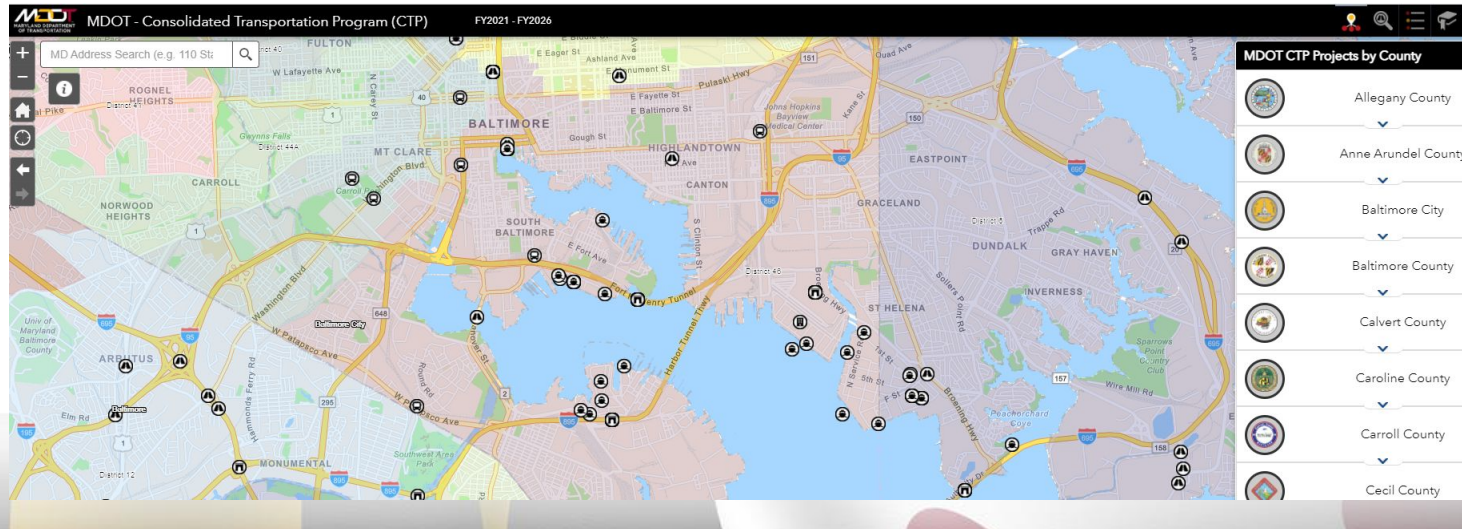
 Maryland.gov

### Printed Maps & Docs

Many of MDOT's traditional map products are available for viewing, print information, including roadways, administrative boundaries, traffic and

# Maryland Dept. of Transportation / State Highway Administration

## CTP: Consolidated Transportation Program

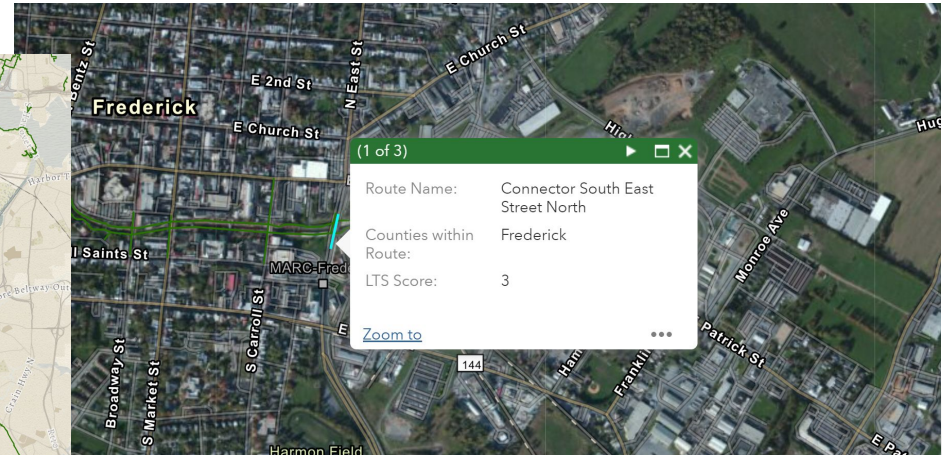


<https://mdot.maryland.gov/tso/pages/Index.aspx?PageId=27>



# Maryland Dept. of Transportation / State Highway Administration

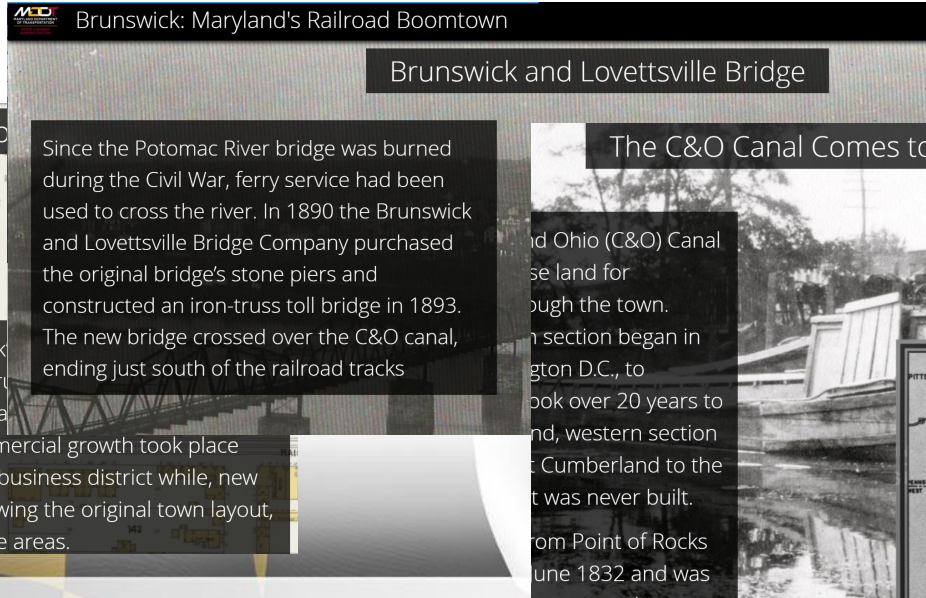
- **Road Separated Bicycle Routes** MDOT SHA and MDOT Transportation Secretaries Office (TSO)





# Maryland Dept. of Transportation / State Highway Administration

- **Brunswick: Maryland's Railroad Boomtown** (Story Map)



# Maryland Dept. of Transportation / State Highway Administration

- [MDOT Local Government Information Coordination Portal](#)  
(LOGIC)

The screenshot displays the MDOT Local Government Information Coordination Portal (LOGIC) website. At the top, the Maryland.gov logo is followed by navigation links: Home, About, Contact, HPMS, I-TMS, and MDOT GIS Open Data Portal. The main header features the MDOT logo and the text "MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION". Below this, the title "MDOT Local Government Information Coordination Portal (LOGIC)" is prominently displayed. A subtitle reads "Subscribe to local government coordination updates and reminders." with a "Request to Subscribe" button. The main content area is divided into two columns. The left column contains two sections: "Roadway Inventory" (labeled APP) and "Sample Submission" (labeled HPMS), both with "Restricted Access" labels. The right column is titled "Upcoming Milestones and Deadlines" and lists three items: "MDOT SHA Begins Sending Road Improvement Requests to Locals" (Sep 1), "MDOT SHA Completion Reported Local Improvements Verified" (Apr 30), and "MDOT SHA Completes Updates of Local Reported Changes" (May 31). A large red banner at the bottom right of the main content area reads "Local Government Annual Submission".

**Upcoming Milestones and Deadlines**

Sep 1	MDOT SHA Begins Sending Road Improvement Requests to Locals <a href="https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...">https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...</a>
Apr 30	MDOT SHA Completion Reported Local Improvements Verified <a href="https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...">https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...</a>
May 31	MDOT SHA Completes Updates of Local Reported Changes <a href="https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...">https://www.roads.maryland.gov/mdotsha/pages/Index.aspx?P...</a>

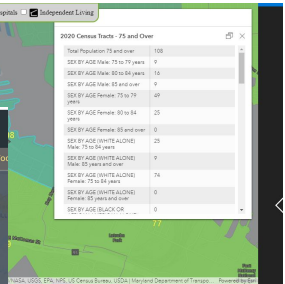
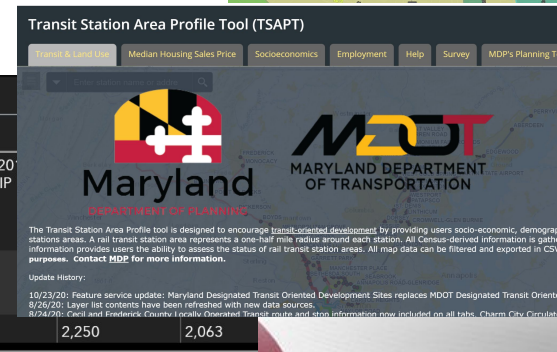
**Local Government Annual Submission**

# Maryland Department of Planning (MDP)

- Dashboard for ACS data
- Moving towards using ArcGIS Pro
- MDP & DoIT brainstorming having tax maps out as a vector layer to replace the hybrid
- Transit Station Area Profile tool Hub
- Regular Map Updates



Rail Transit Stations							
Options Filter by map extent Zoom to Clear selection Refresh							
STATION NAME	YEAR STATION OPENED	SYSTEM	LINE	WMATA 2011 RIDERSHIP	WMATA 2015 RIDERSHIP	WMATA 2017 RIDERSHIP	WMATA 2019 RIDERSHIP
COLLEGE PARK-UNIVERSITY OF MARYLAND	Pre-1980	MARC, WMATA	Camden, Green	4,768	4,389	3,982	3,650
CONNECTICUT	Future Station	MTA	Purple Line	0	0	0	



# Maryland Department of Planning (MDP)

## The State Data Center & Projections Unit

Housing Unit Analysis.

TUGIS 2021

**TUgis: Maryland's Geospatial Conference**

August 10–13, 2021

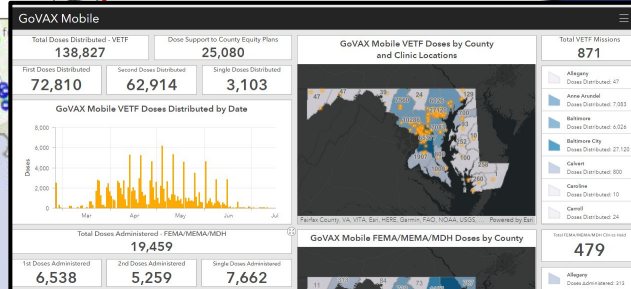
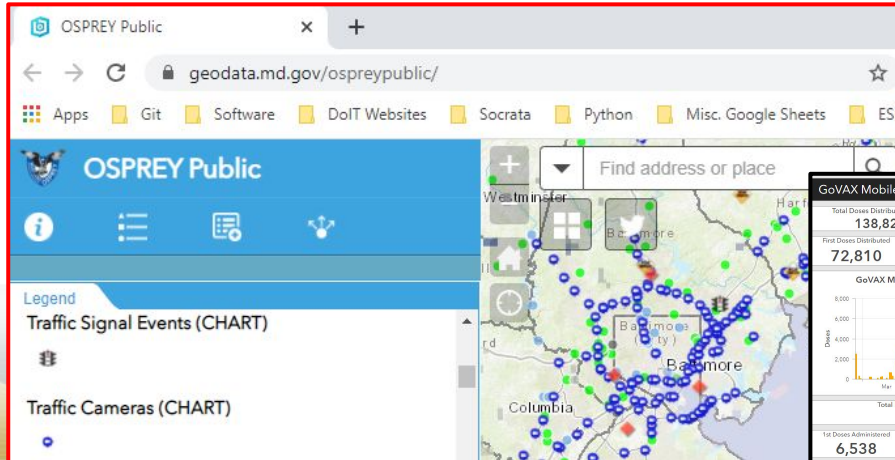


- Uses MdProperty View, CAMA, SDAT and 2010 Census Block data
- Identifies housing unit types
- Number of multi-family units per Census Block.
- Land Use percent for single-family, multi-family etc. calculated for each Block.
- Automated using ArcGIS Model Builder.
- Helps identify potential growth areas based on existing land use and dwelling units.
- The same methodology will be used with the 2020 Census data when it is released.



# Maryland Emergency Management Agency

ONGOING Maintenance of WebEOC, KYZ Map, Osprey  
Risk Assessment is building **internal** dashboards (GoVax Mobile)  
Coordinating data from multiple state agencies (MIEMMS, MDE, MDH).  
Calvert Cliffs CALVEX drill run on 7/20 - <https://www.radresponder.net/> (KML)  
GIS layers for the facility => app





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John Lesko

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THANK YOU!!