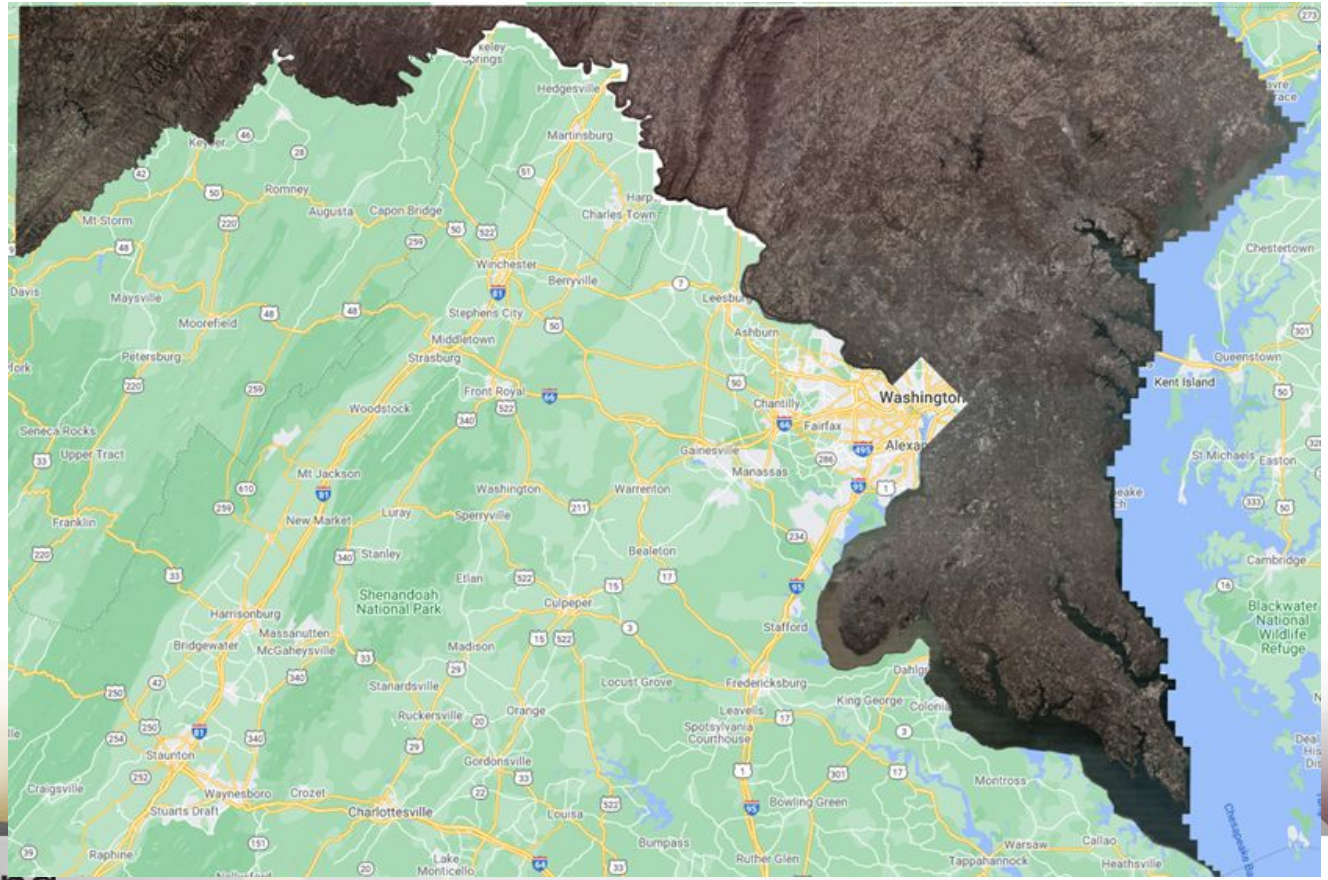
MSGIC Summer 2021 Quarterly Meeting

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.

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

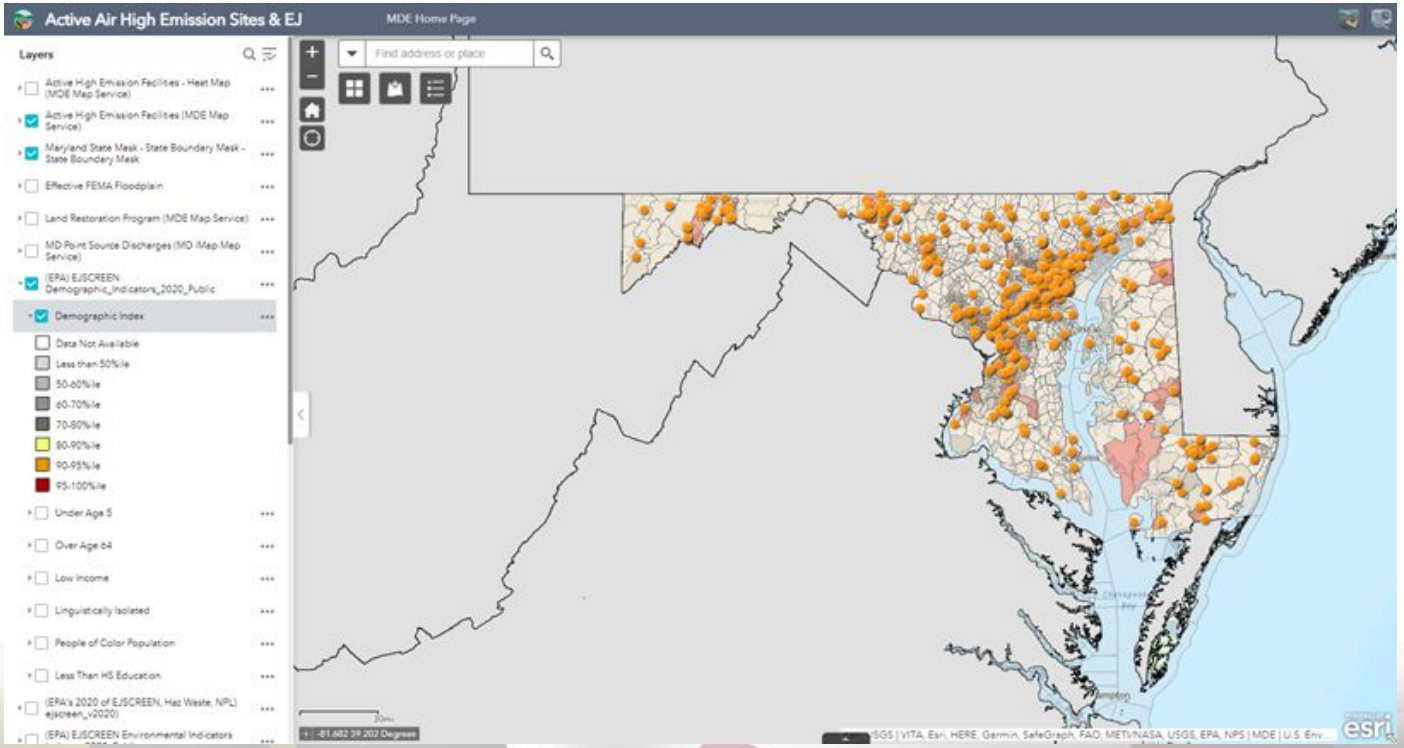
Iris Allen (DNR)
Dan Goetz (Fisheries) and
Paul Emmart (MDE)

- 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 (MDE)

MDE Environmental Justice Screening

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.

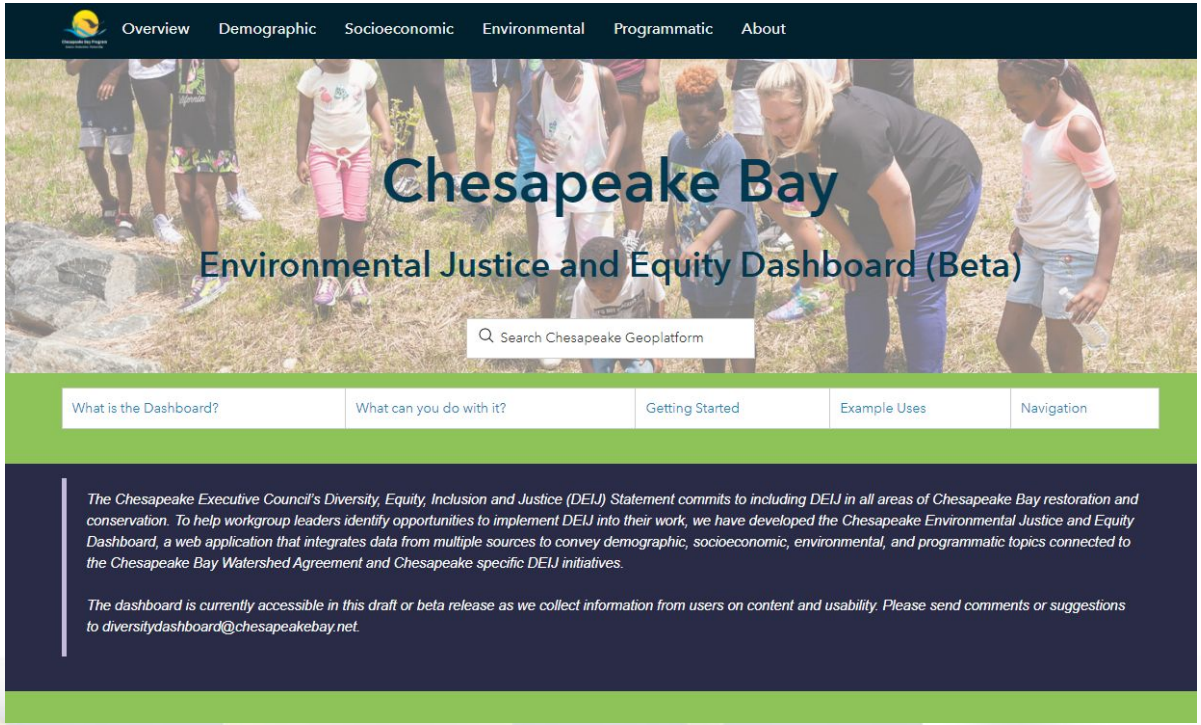
Comparison And Screening Tools

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



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

Maryland Department of the Environment (MDE)

MDE Environmental Justice Screening

Comparison And Screening Tools

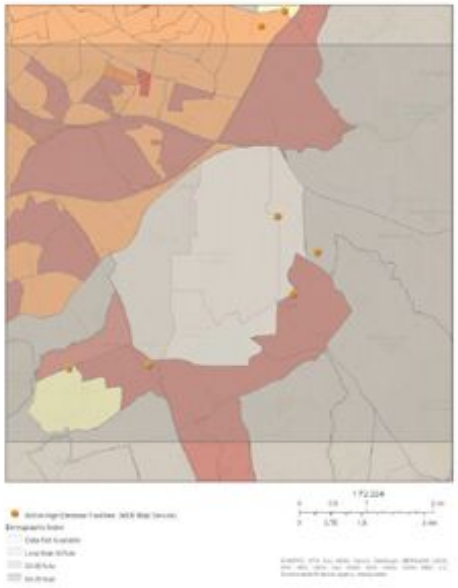
Screening Report Map

Screening Report

Area of Interest (AOI) Information

Area : 1,561,894,020.25 ft²

Jul 16 2021 9:57:35 Eastern Daylight Time



Screening Report Summary

Summary

Name	Count	Area(ft²)	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	7.86

#	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	7,589.44	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	22.50	0.00	0.00	1
6	0.00	291.54	0.00	0.00	1

Maryland Department of the Environment (MDE)

MDE Environmental Justice Screening

Comparison And Screening Tools

Screening Report Demographics Summary

#	Census_Tra	EJScore	Area(ft²)
1	24033800701	0.41	230,233,673.60
2	24033801104	0.26	193,881,138.05
3	24033800707	0.45	129,693,717.69
4	24033800706	0.33	113,681,955.19
5	24033801214	0.54	67,949,621.46
6	24033802201	0.62	55,452,743.14
7	24033801905	0.71	51,041,911.69
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	44,383,746.15
12	24033801904	0.69	40,915,915.72
13	24033801215	0.43	39,814,391.25
14	24033800704	0.39	39,390,279.91
15	24033801210	0.39	36,921,689.51
16	24033801211	0.52	34,383,321.60
17	24033801212	0.49	30,261,587.55
18	24033801701	0.53	23,314,261.82
19	24033801906	0.73	20,288,607.80
20	24033802001	0.56	20,020,488.42
21	24033801217	0.42	19,860,876.11
22	24033802104	0.71	18,902,415.75
23	24033802203	0.59	17,926,696.56
24	24033803002	0.66	17,567,509.28
25	24033802103	0.65	16,476,979.46
26	[illegible]	0.71	[illegible]

EPA EJ Scores Summary

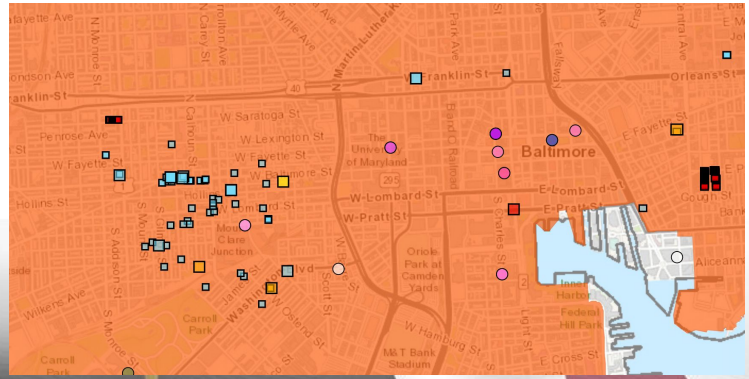
#	ID	% people of color	% low income	Demographic Index	Area(ft²)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

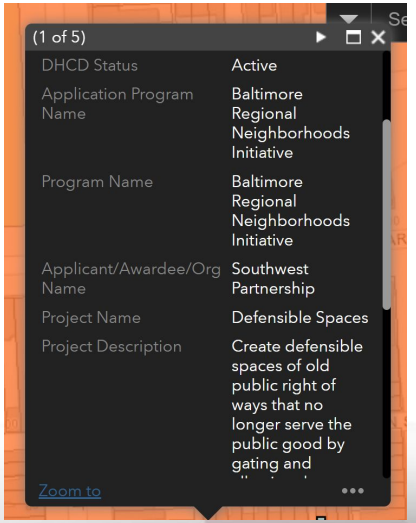
Maryland Department of Housing & Community Development (DHCD)

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)





Maryland Dept. of Transportation / State Highway Administration

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

CTP

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

Capital Programming

FY2021 - FY2026

Maryland CONSOLIDATED TRANSPORTATION PROGRAM

'P

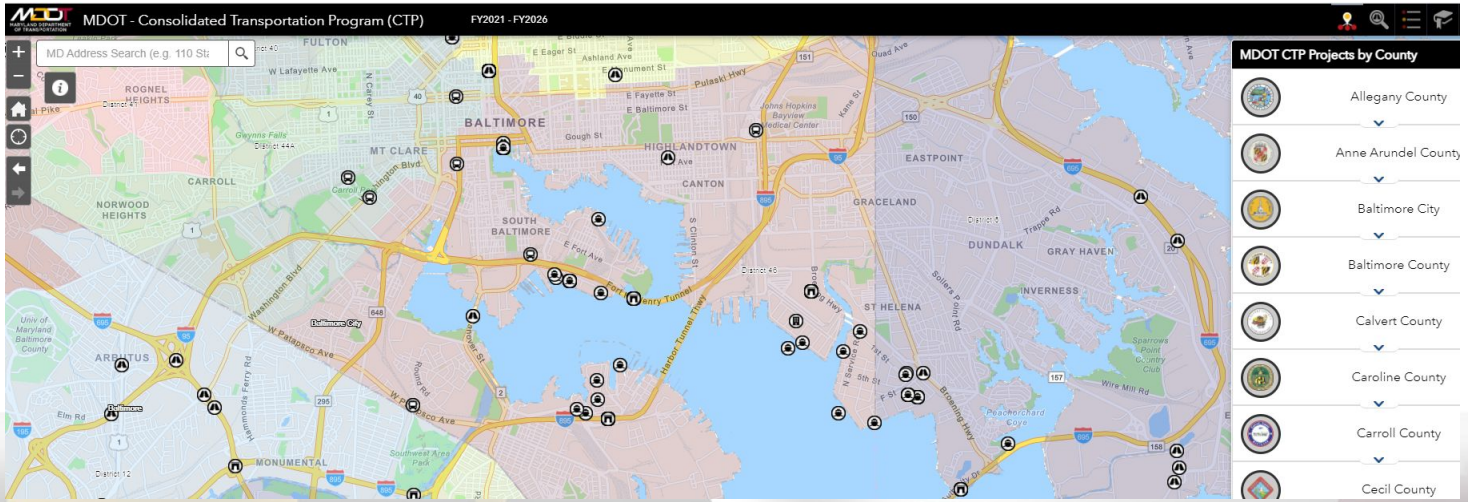
Maryland.gov

Printed Maps & Docs

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

Maryland Dept. of Transportation / State Highway Administration

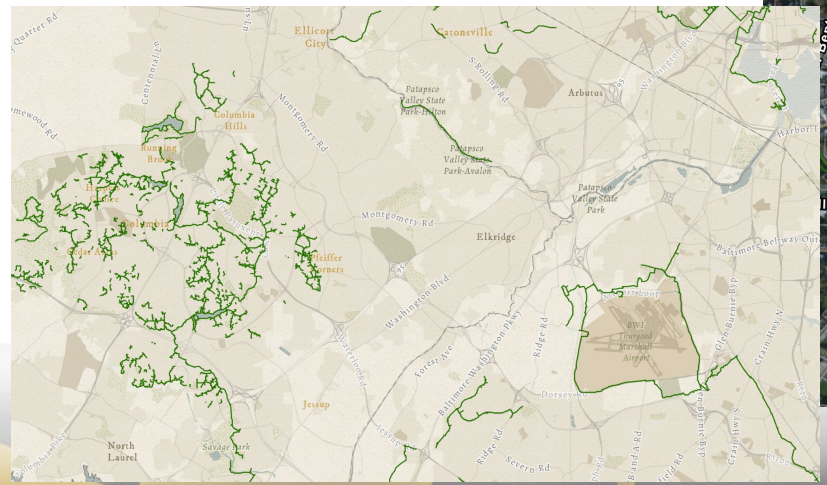
CTP: Consolidated Transportation Program

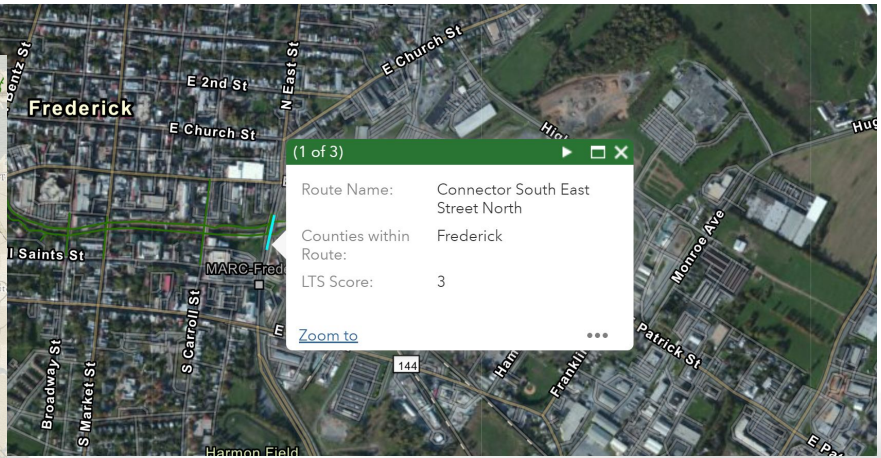


https://mdot.maryland.gov/tso/pages/Index.aspx?PageId=27

Maryland Dept. of Transportation / State Highway Administration

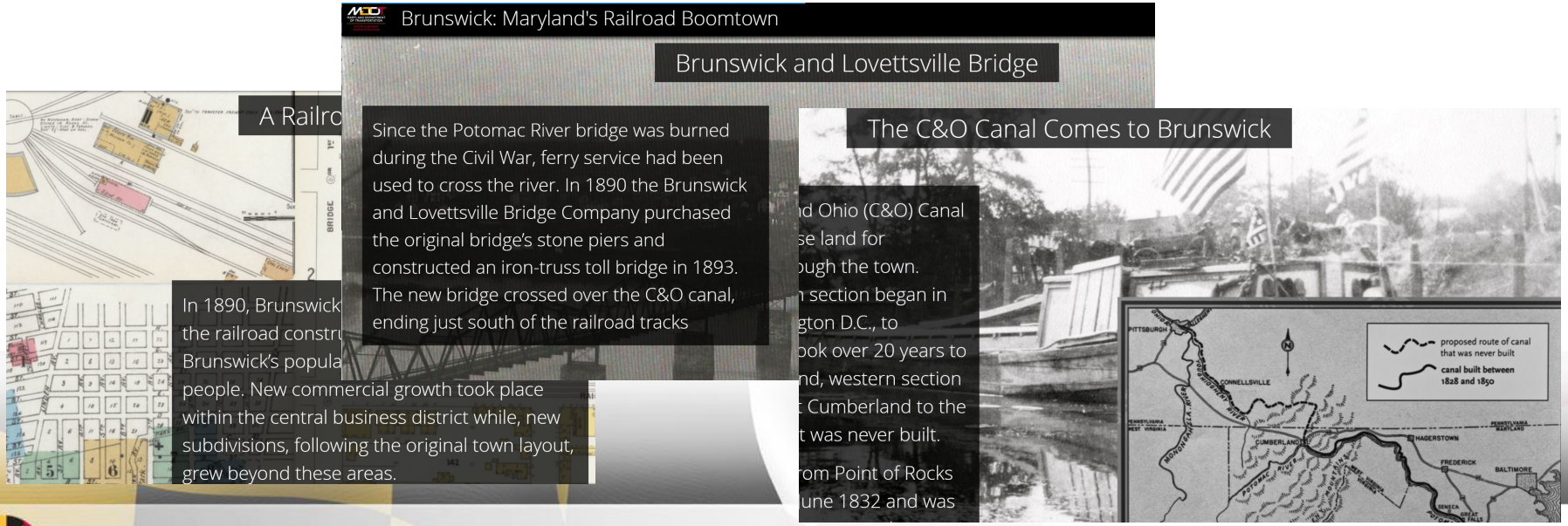
- **Road Separated Bicycle Routes** MDOT SHA and MDOT Transportation Secretaries Office (TSO)





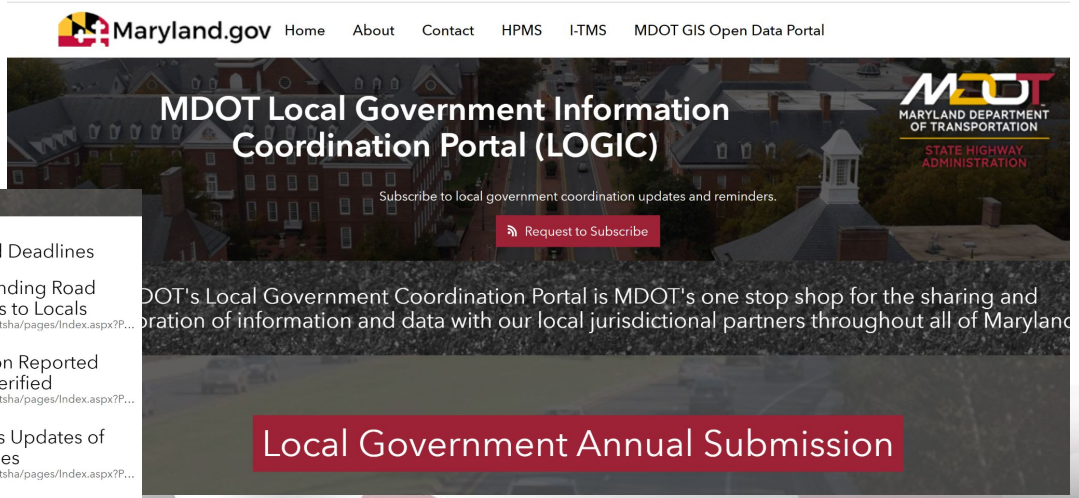
Maryland Dept. of Transportation / State Highway Administration

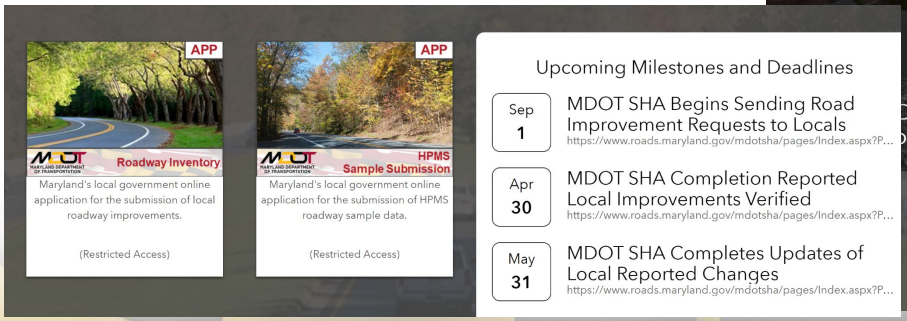
- **Brunswick: Maryland's Railroad Boomtown (Story Map)**



Maryland Dept. of Transportation / State Highway Administration

- **MDOT Local Government Information Coordination Portal (LOGIC)**

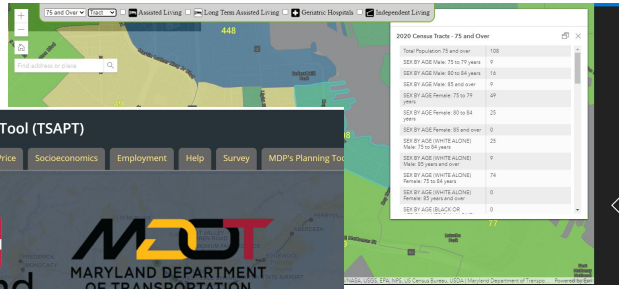


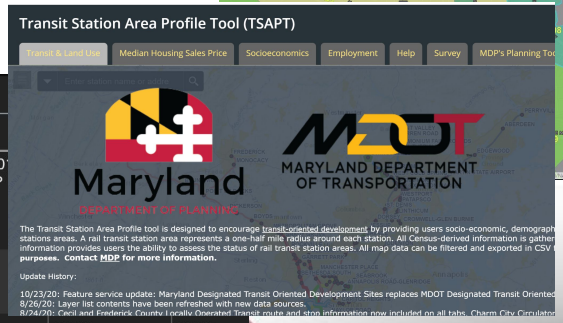


Maryland Department of Planning (MDP)

- 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

Maryland
DEPARTMENT OF PLANNING





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 20 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	2,250 2,063

Maryland Department of Planning (MDP)

The State Data Center & Projections Unit

Housing Unit Analysis.

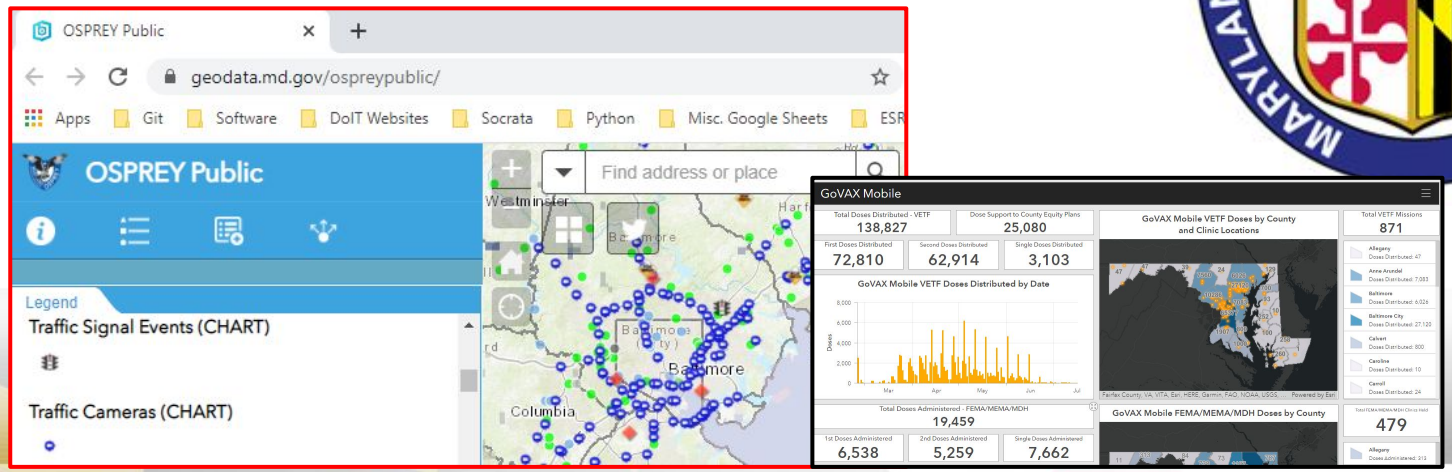
TUGIS 2021

Maryland
DEPARTMENT OF PLANNING

- 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



CHANGING
Maryland
FOR THE BETTER

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THANK YOU!!