State Updates

Kevin Coyne

MD iMAP – Status Dashboard

All MD iMAP Services Status

✅ Operating Normally ⚠️ Performance Issues ❌ Service Disruption ● Capability Enabled

Search for ...

Filter By: ☐ Feature Service ☐ KML ☐ WMS ☐ WFS [Reset]   [Report an Issue]

›	Agriculture	0 Affected	2 Services
›	Biota	0 Affected	13 Services
›	Boundaries	0 Affected	5 Services
›	BusinessEconomy	0 Affected	4 Services
›	Demographics	0 Affected	4 Services
›	Education	0 Affected	2 Services
›	Elevation	0 Affected	2 Services
›	Environment	0 Affected	11 Services

⌄	Environment				0 Affected		11 Services		

Service Name	Status	Folder	Type	Cached	Feature Service	KML	WMS	WFS
MD_ChesapeakeBayDeadZones	✅	Environment	MapServer		●	●	●	●
MD_CoastalResiliencyAssessment	✅	Environment	MapServer		●	●	●	●
MD_CriticalAreas	✅	Environment	MapServer		●	●	●	●
MD_FocalAreas	✅	Environment	MapServer		●	●	●	●
MD_NaturalFilters	✅	Environment	MapServer			●	●	●
MD_PointSourceDischarges	✅	Environment	MapServer		●	●	●	●
MD_ProtectedLands	✅	Environment	MapServer		●	●	●	●
MD_ProtectedLandsAcquisitions	✅	Environment	MapServer		●	●	●	●
MD_ResearchReserves	✅	Environment	MapServer		●	●	●	●
MD_SaltMarsh	✅	Environment	MapServer		●	●	●	●
MD_TrustFund	✅	Environment	MapServer		●	●	●	●

›	GeocodeServices	0 Affected	13 Services
›	Geoscientific	0 Affected	7 Services

View Operational Status of all MD iMAP Services

Search for available services by name

Filter services by available capabilities

Report an Issue

http://imap.maryland.gov/Pages/Full-System-Status.aspx

GIS SaaS Master Contract

- RFP will be released shortly – will be available on e-Maryland Marketplace
- Three Year Contract with Two 2 Year Options
- Functional Areas
  - FA I: SaaS GIS and Open Data Cloud Services
    - e.g. Cloud-based GIS or Open Data platforms, GIS-based Enterprise Asset Management, Location-based Analytics
  - FA II: SaaS GIS Data Services/Subscriptions
    - e.g. Data Feeds for Weather, Traffic, Imagery, 3D, Demographic Data, Business Data
  - FA III: SaaS Training and Support related to FA I or II purchases

Statewide Imagery Program

Eastern Shore Imagery Project 2016

- Last deliveries to counties

- Currently in-process of loading to MD iMAP
  - Updated Image Service
  - Updated Cached Map Service
  - Updated availability on Imagery Download Tool
  - Updated availability on GIO Dropbox

Western Shore Imagery Project 2017

- For [buy-ups](#) – contact Lisa Lowe (lisa.lowe@maryland.gov)

Delivered

2013

2016

Statewide Training Program

- In-Person Courses
  - Thinking Spatially – <u>Available Online!</u>
  - Intro to ArcGIS Desktop and MD iMAP
  - Intermediate ArcGIS Online and MD iMAP
- ArcGIS Pro course coming Q2 2017
- Calendar of trainings and seats available on <u>MD iMAP Portal</u>

Contact Lisa Lowe (DoIT) – <u>lisa.lowe@maryland.gov</u> for info

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Statewide Training Program

- Upcoming Courses:
  Course Name: Introduction to ArcGIS Desktop and MD iMAP
  Date: February 6 & 7 (Snow makeup date: February 9 & 10)
  Time: 8:30 am to 4:00 pm

  Course Name: Thinking Spatially
  Date: February 17 (Snow makeup date: February 27)
  Time: 8:30 am to 12:30 pm

  Course Name: Intermediate ArcGIS Online and MD iMAP
  Date: February 24 (Snow makeup date: February 28)
  Time: 8:30 am to 4:00 pm

Contact Lisa Lowe (DoIT) – lisa.lowe@maryland.gov for info

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MD iMAP LiDAR Services

- Statewide LiDAR Services are now available on MD iMAP

- URL Change:
  - lidar.salisbury.edu/arcgis/rest/services to

    lidar.geodata.md.gov/imap/rest/services

- Folder structure change
  - Now organized by individual County and Statewide
  - Same products

- Detailed service URL changes – http://bit.ly/2hLKGrt

- Old services to be turned off **Friday, February 3**

- Historic LiDAR services coming soon!

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MD iMAP LiDAR Downloads

- Pre-Defined DEMs
  - Via Dropbox
  - Include metadata, overview pyramids, and bare earth DEMs
  - Downloads by County

- Pre-Defined Point Cloud
  - LAS files by county - *Coming Soon!*

- Focused Areas
  - Via LiDAR Download Tool - *Coming Soon!*

LiDAR – http://imap.maryland.gov/Pages/lidar-download.aspx

MD iMAP New & Updated Layers/Services

- National Register of Historic Places *UPDATED*

- Preservation Easements *UPDATED*

- Inventory of Historic Places *UPDATED*

- Parcel Points * UPDATED *

- Parcel Boundaries *UPDATED*

- Housing Designated Areas *UPDATED*

- Heritage Areas *UPDATED*

- Public Schools *UPDATED*

- Sea Level Change High Curve Model *NEW*

- Licensed Animal and Plant Facilities *UPDATED*

- Protected Lands *UPDATED*

- Protected Lands Acquisitions *UPDATED*

- Storm Surge *UPDATED*

- Archived Storm Surge *NEW*

- 5 Digit ZIP Codes *NEW*

- USGS Topo Quads *NEW*

- Navigable Waterways *UPDATED*

- Submerged Aquatic Vegetation *UPDATED*

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MD iMAP – New Applications

http://imap.maryland.gov/Pages/map-gallery.aspx

- Growth, Planning, and Revitalization

  – FY17 Enacted Capital Budget Map (DBM/MDOT)

  – FY17 Chesapeake Bay Budget Map (DBM/MDE/MDA/DNR/MES)

- Health

  – Maryland Radon Data (DHMH)

Chesapeake Bay
Capital Budget Map

Capital Budget Map

Maryland Radon Data

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MD iMAP – Stay Updated & Involved

Status Dashboard
- Operational Status of Popular Services
- Report an Issue

Twitter
- @MDiMAP

Subscribe
- Email Notifications, Tech Committee Meeting

Monthly MD iMAP Technical Committee Meetings
All are welcome!

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MDOT State Highway Geospatial Technologies
JavaScript/HTML5 Applications

1) Mobility and Economy Dashboard

- Mobility is a key performance area (KPA) at SHA which aims to "Support Maryland Economy and Communities with Reliable Movement of People and Goods".

- Goals: identify successes, challenges, and strategies being utilized to improve the transportation services SHA delivers to Marylanders and the traveling public; drive investment related decisions and make the best use of transportation revenues using data driven performance based approaches.

MDOT State Highway Geospatial Technologies
JavaScript/HTML5 Applications

1) Mobility and Economy Dashboard

MDOT State Highway Geospatial Technologies
JavaScript/HTML5 Applications

2) Asset Management - Soft Release slated for FY17 Q3

- Asset Management entails taking a strategic approach to better manage our physical transportation infrastructure based upon asset condition data and performance expectations.

- Goal: obtain the best results, or performance, for the preservation, improvement, and operation of infrastructure assets given the resources available.

- The Asset Management Dashboard showcases the conditions of our bridges and pavement, as well as our system preservation and rehabilitation efforts.
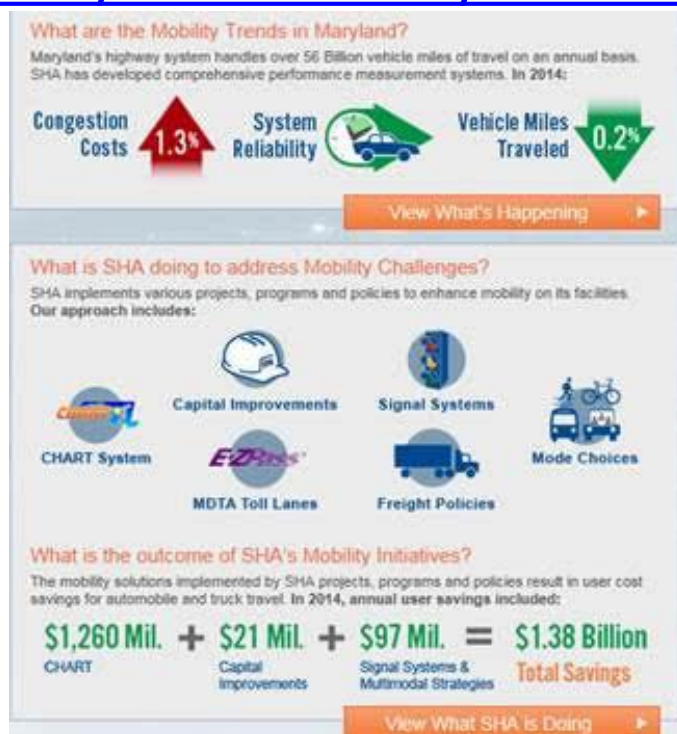
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MDOT State Highway Geospatial Technologies
JavaScript/HTML5 Applications

3) SHA Enterprise GIS (eGIS) Portal - Internal, Release FY18 Q1

- SHA is migrating their eGIS Portal from Flex API to JavaScript API

- Visualizes, Collects, and Maintains assets and transportation data for 500+ users with 100+ map services and 50+ widgets

SHA

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MDOT State Highway Geospatial Technologies Infrastructure

- Migration of all ArcGIS Servers from 9.3/10.0 to 10.3.1

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MDOT State Highway Geospatial Technologies
ArcGIS Online and Story Maps

1) Know Your Roads and Who to Call

- The Maryland Department of Transportation (MDOT) crews maintain 17,824 lane miles of the state's highways and toll roads. If you have a pothole or your road needs plowing from a recent snow storm, use this web app to find maintenance responsibility.

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MDOT State Highway Geospatial Technologies
ArcGIS Online and Story Maps

1) Know Your Roads and Who to Call

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2) Maryland's Freight Story – FY17 Q3

- Easier communication of freight story

- Visualize freight network and proposed network

- Visualize commodities, congestion and reliability

SHA

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ArcGIS Online and Story Maps

3) Performance Based Management Portal – FY17 Q4

- Moving Ahead for Progress in the 21st Century (MAP-21) is a milestone for the U.S. economy and the Nation's surface transportation program. By transforming the policy and programmatic framework for investments to guide the system's growth and development, MAP-21 creates a streamlined and performance-based surface transportation program and builds on many of the highway, transit, bike, and pedestrian programs and policies established in 1991.

SHA