



REGIONAL GIS DATA FOR HAMPTON ROADS

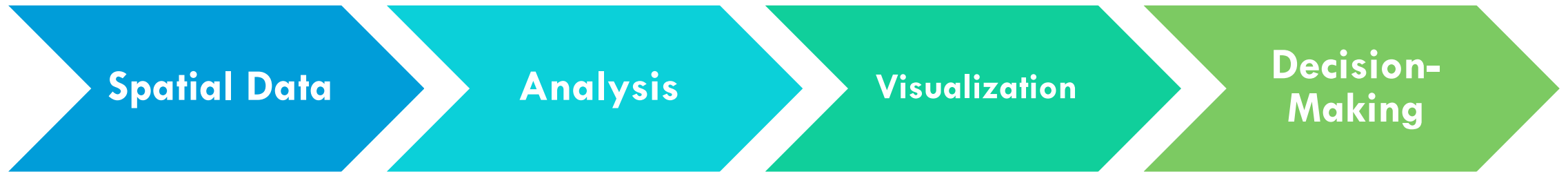
HRPDC Meeting

November 21, 2019

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HRPDC Senior Regional Planner

GEOGRAPHIC INFORMATION SYSTEMS (GIS)



REGIONAL COLLABORATION



GOALS FOR HRGEO

Design a platform to integrate existing local and regional GIS data

Create regional standards for key data sets

Develop a permanent, authoritative, and open resource for regional GIS data in Hampton Roads

BENEFITS

Increase efficiency and productivity

- Reduce time responding to external data requests
- Reduce time collecting data for internal uses
- Reduce duplicate requests

Data standards

- Consistency
- Authoritative
- Up-to-date

Bring focus to Hampton Roads

- Researchers & others drawn to easily available data

Future development

- Build applications on top of regional data for projects that benefit the region

HomeAboutParcels

HRGEO

Hampton Roads Geospatial Exchange Online

Search data by keywords

Welcome to HRGEO

The Hampton Roads Geospatial Exchange Online (HRGEO) is an open data portal to explore, visualize, and download geographic information system (GIS) data for Hampton Roads, Virginia. Begin by exploring available GIS data using the search bar above or visiting one of the categories below.

Boundaries

Civic

Coastal Resiliency

Demographics

Environment

Planning

Property Information

Recreation

Transportation

Water Resources

All Data

Featured Web Apps

Resilience Projects

DASHBOARD

Completed (103)

Planned (27)

Proposed (158)

Under Construction (46)

Under Design (95)

AFDC

Hampton Roads Resilience Projects Dashboard

This Dashboard contains information about completed and future projects in Hampton Roads that improve resilience to flooding.

Open

FISHSWIMPLAY.COM

FIND WATER ACCESS SITES IN HAMPTON ROADS

FishSwimPlay.com - Hampton Roads Public Access Sites Finder

FishSwimPlay.com is an interactive guide to public access sites in Hampton Roads, Virginia. Find boat ramps, kayak and canoe launches, beaches, bank

Open

2040

Environmental Justice (EJ) Analysis of HRTPO 2040 LRTP Fiscally-Constrained

During the development of the 2040 LRTP, staff applied a Title VI/EJ methodology in order to identify projects that may potentially impact an

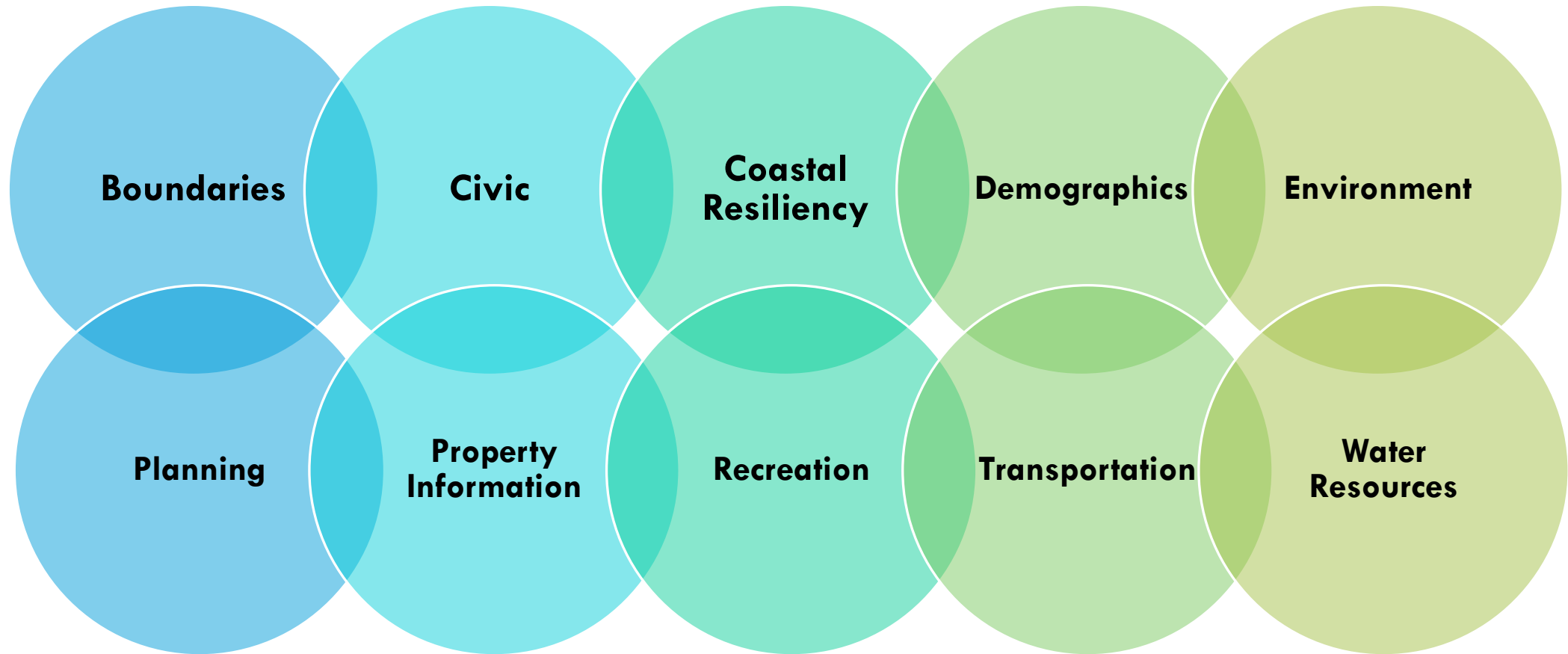
Open

More Open Data Resources

HRGEO.ORG

6

35+ PUBLISHED PDC/TPO LAYERS (SO FAR...)





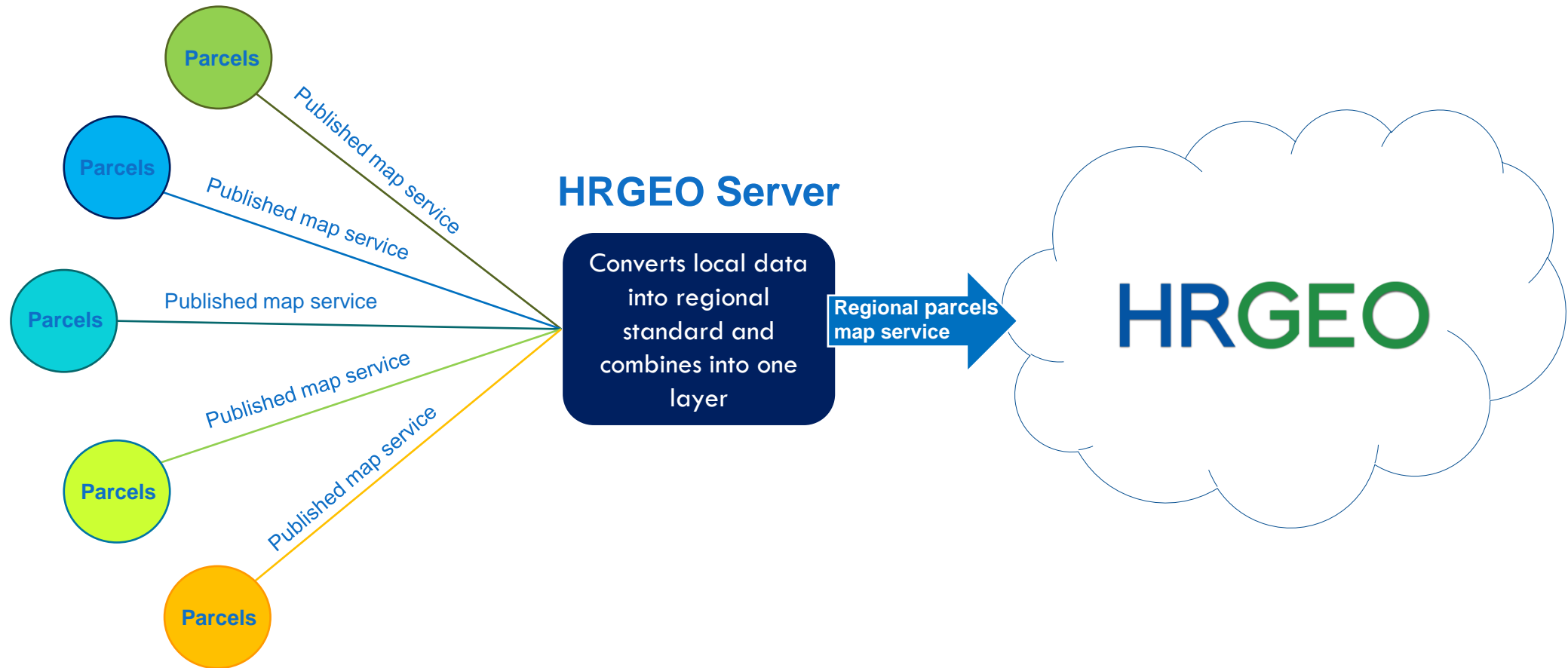
COLLABORATIVE LAYER

Regional Parcels

REGIONAL PARCELS

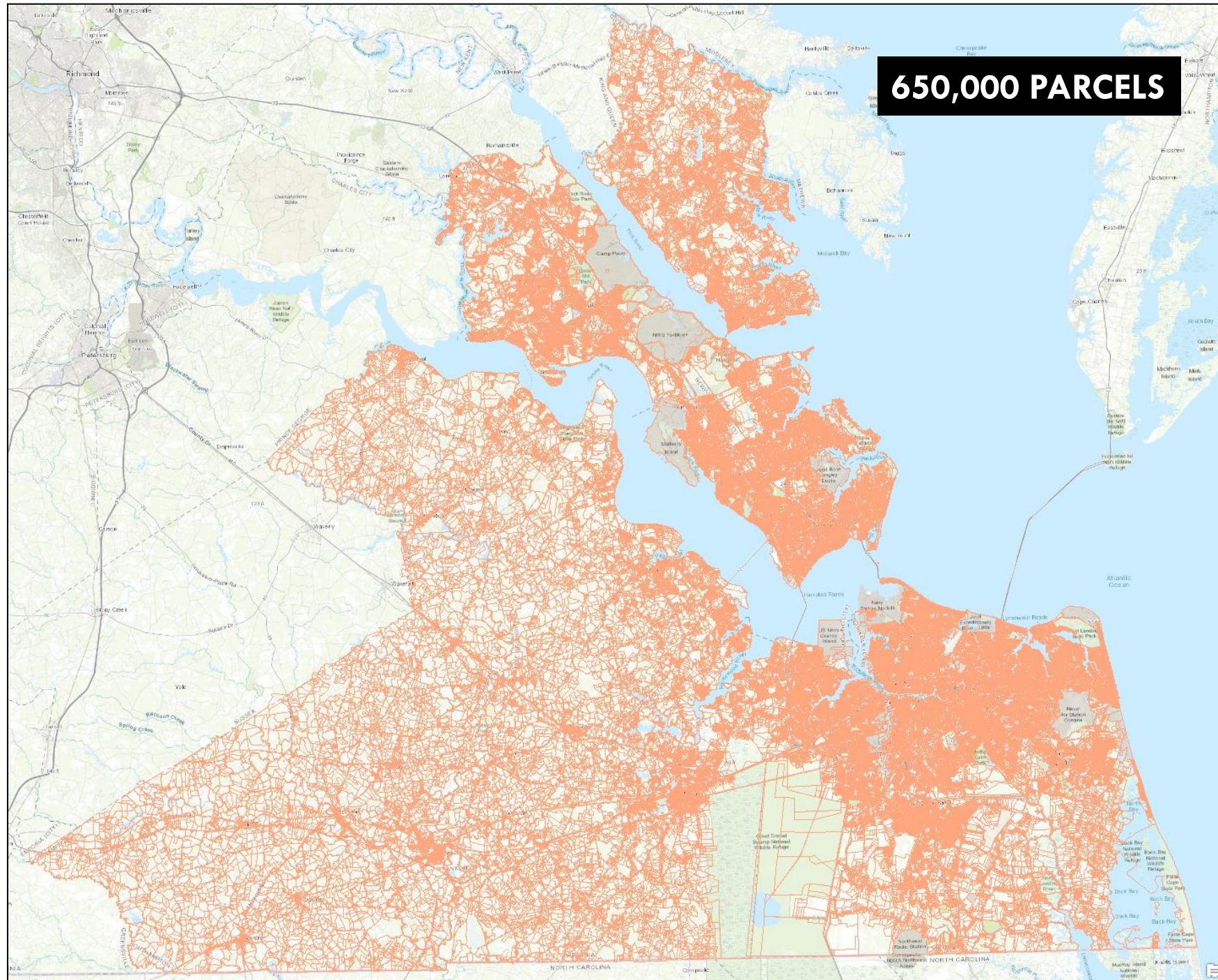
- Parcels are one of the most frequently requested layers
- How can we create a regional parcel layer most efficiently from local data sources?
- Developed a regional parcel standard for
- Met with all GIS managers
- Set up the server & processes

Regional Fields	Description
FIPS	FIPS code
PARCELID	GPIN
TAXMAPNO	Tax Map Number
LOCALID	Local ID/Real Estate ID
OWNERNME1	Owner Name
PSTLADDRESS	Parcel Address
PSTLCITY	Parcel City
PSTLSTATE	Parcel State
PSTLZIP5	Parcel ZIP
MLADDRESS	Mailing Address
MLCITY	Mailing City
MLSTATE	Mailing State
MLZIP5	Mailing ZIP
SUBDIV	Subdivision Name
IMPVALUE	Improvements Value
LNDVALUE	Land Value
TOTVALUE	Total Value
RESYRBLT	Year Structure Built
ZONING	Zoning District
STATEDAREA	Stated/Assessed Area
CALCAREA	GIS calc area
SRCAGENCY	Source Agency
AGENCYURL	Agency URL
LASTUPDATE	Last Update



Hampton Roads localities





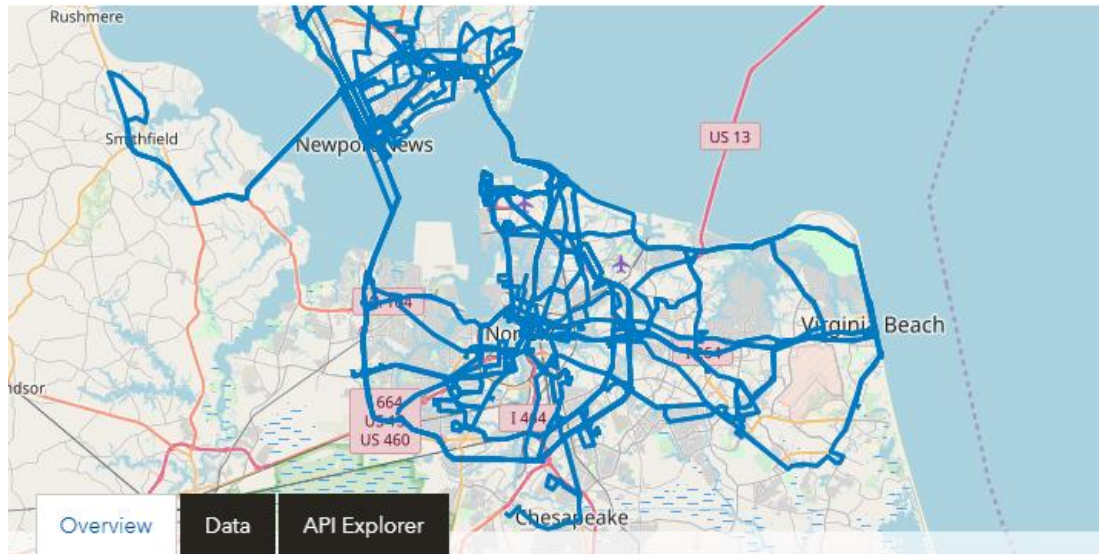


EXAMPLE USES

HAMPTON ROADS TRANSIT

Hampton Roads Transit (HRT) Routes

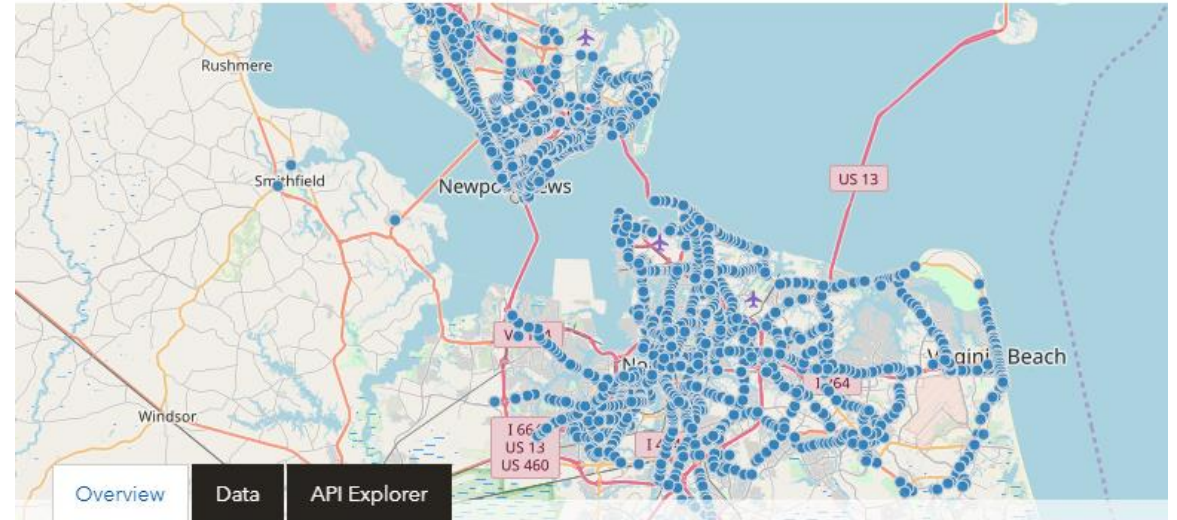
Last updated 13 hours ago | 87 Records



9/27/2019 Feature Layer No license specified

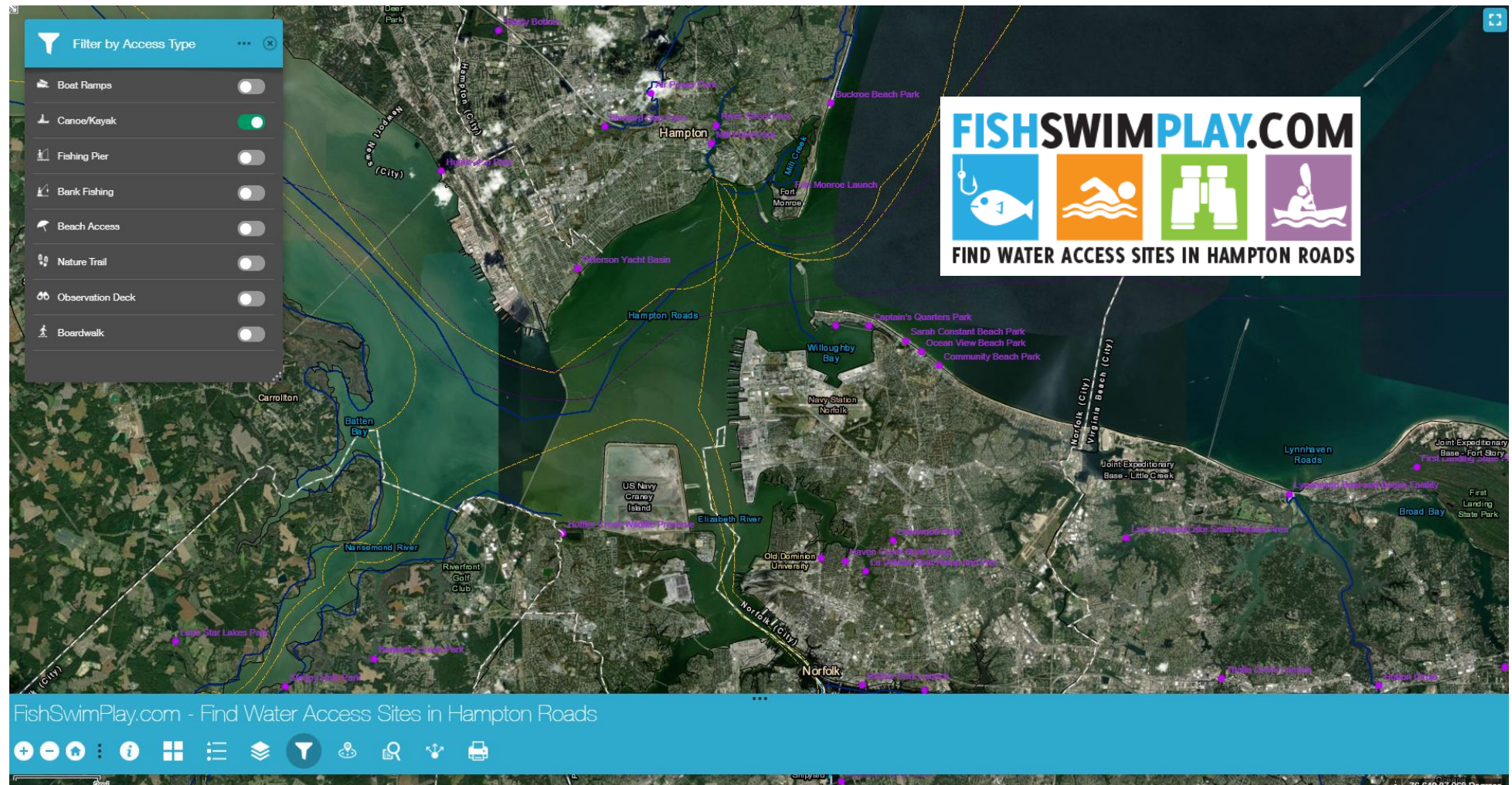
Hampton Roads Transit (HRT) Stops

Last updated 18 days ago | 3,025 Records



11/1/2019 Feature Layer No license specified

FISHSWIMPLAY.COM



OTHER USES

State Gov't

- VDOT
- VIMS
- DEQ
- Virginia Coastal Resilience Master Plan

Federal Gov't

- USGS
- US DOT
- Chesapeake Bay Program

Non-Profit/Education

- Chesapeake Conservancy
- Old Dominion Univ., William and Mary, UVA faculty & students

Multiple Consultants

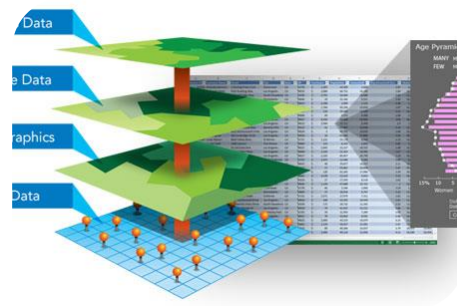
- Regional Connectors Study
- JBLE Air Installation Compatible Use Zones Study
- Hampton Resiliency Plan
- JLUS

Private companies

- Apple Maps

Interest from other PDCs in developing their own open data portal

VISION



Planning & Research



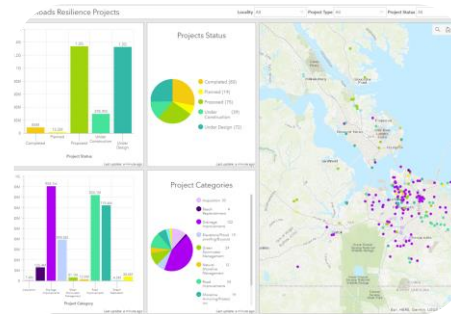
Maps & Apps



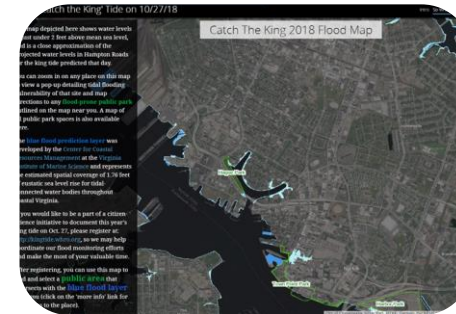
Partnerships & Collaboration



Innovative Tech



Better Storytelling



Community Involvement & Engagement



[HRGEO.ORG](https://hrgeo.org)

CONTACT

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