



# Welcome to GIS day

HRPDC/HRTPO Map Gallery

November 21, 2019



DISCOVERING  
THE WORLD  
THROUGH GIS

GIS day



# HRGEO.ORG

## Open GIS Data Portal

Home About Log in

# 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 using the search bar above or visiting one of the categories below.



Boundaries



Civic



Coastal Resiliency



Demographics



Environment



Planning



Property Information



Kneeling



Transportation



Water Resources



All Data

### Featured Web Apps



Resilience Projects Dashboard

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

Open



FISHSWIMPLAY.COM

FIND WATER ACCESS SITES IN HAMPTON ROADS

FishSwimPlay.com - Hampton Roads Public Access Sites Finder

FishSwimPlay.com is a map that provides information to public access sites in Hampton Roads, Virginia. Find boat ramps, kayak and canoe launch sites, beaches, park facilities, and more.

Open



Environmental Justice (EJ) Analysis of HRTPO 2040 LRTP

Fiscally-Constrained Planning

This report provides an environmental justice analysis of the 2040 LRTP. The analysis applies a The Will Methodology in order to identify projects that may potentially impact an

Open

### More Open Data Resources

#### Local Open Data & GIS Sites

- City of Chesapeake
- City of Franklin
- City of Gloucester County
- City of Hampton
- City of James City County
- City of Newport News
- City of Norfolk
- City of Portsmouth
- City of Southampton County
- City of Virginia Beach
- City of Williamsburg
- York County

#### State Open Data & GIS Sites

- Data.Virginia
- Virginia Geographic Information Network
- Virginia Department of Conservation & Recreation
- Virginia Department of Transportation
- Virginia Economic Development Partnership

#### Federal/Multi-State Open Data & GIS Sites

- Data.gov
- Homeland Infrastructure Foundation-Level Data
- MARCO Mid-Atlantic Ocean Data Portal

Copyright 2018, Hampton Roads Planning District Commission.

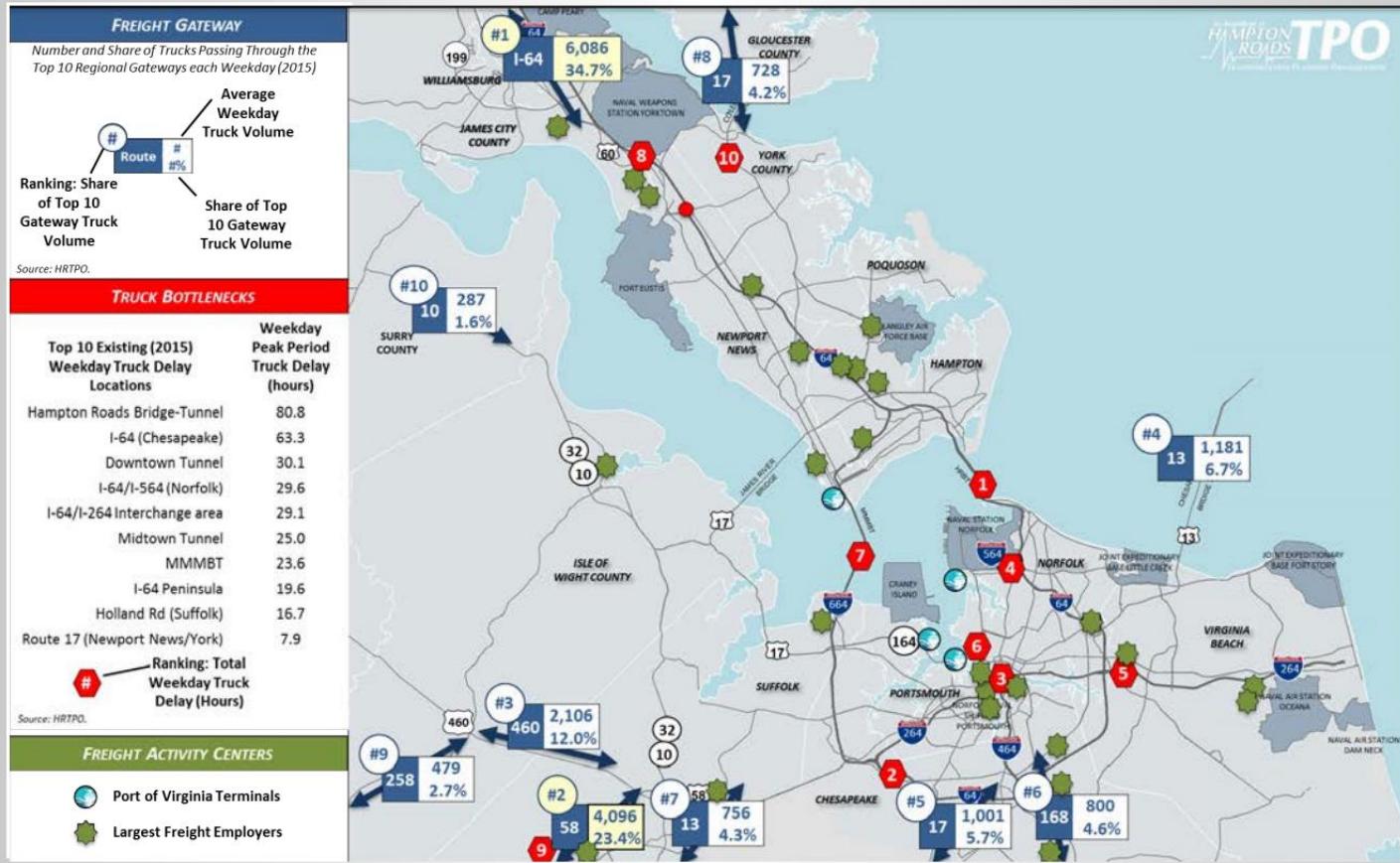
  

More Info

- HRGEO Home
- About HRGEO
- Regional Partners

Contact Us

# HAMPTON ROADS REGIONAL FREIGHT SYSTEM



# Sites Inventory Market Evaluation

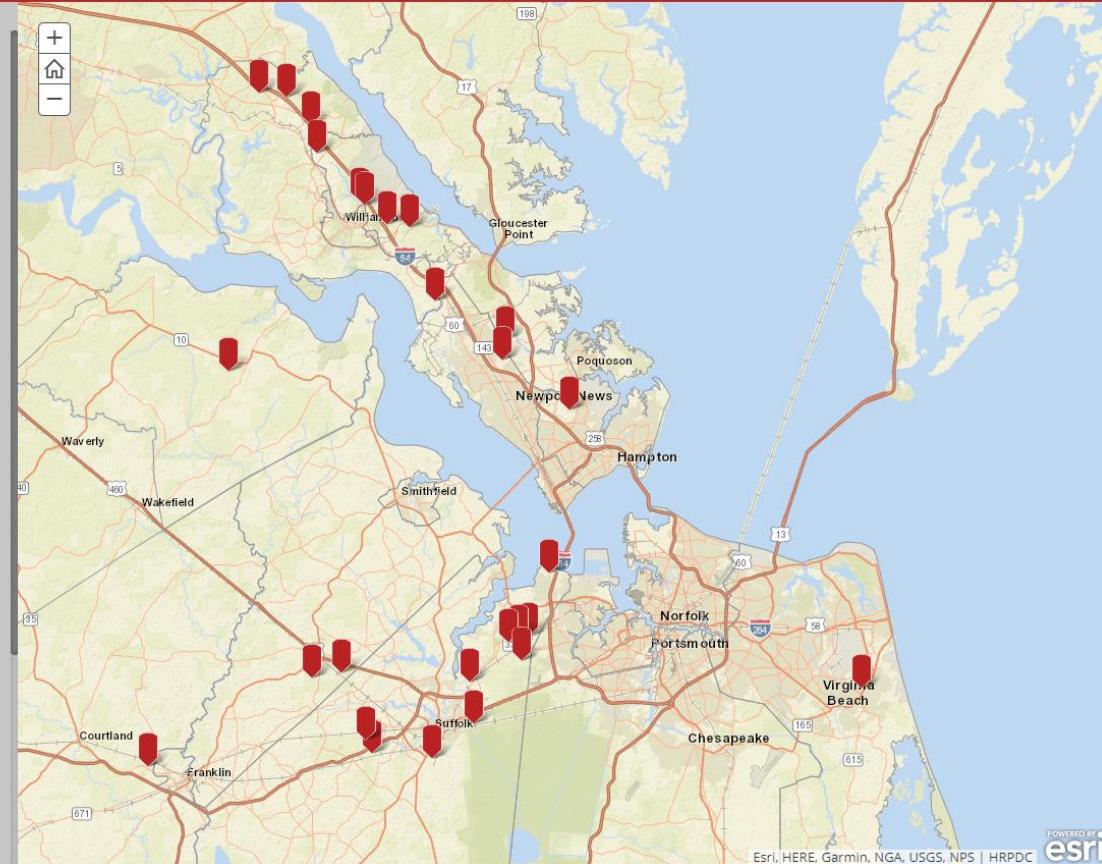
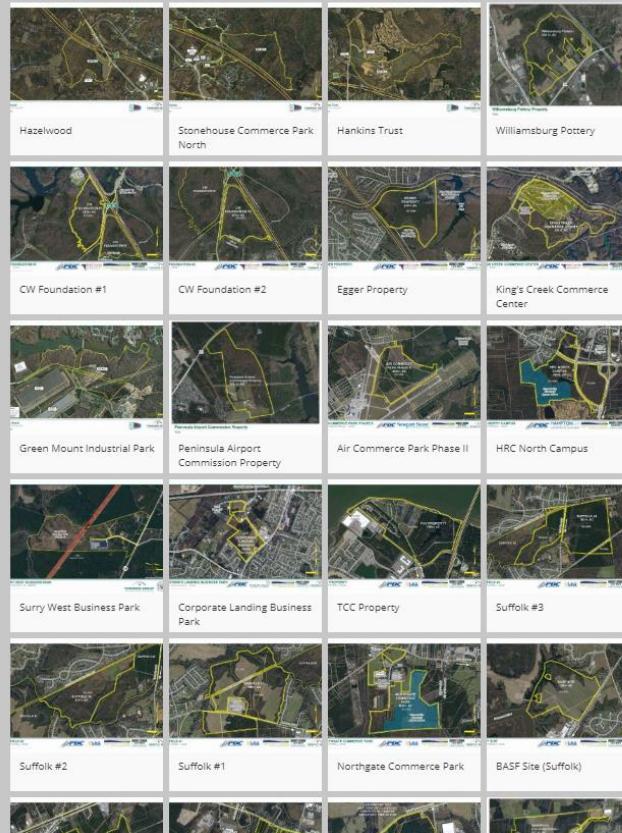
Project Partners: Reinvent Hampton Roads - HREDA - HRPDC

[Edit](#) [F](#) [T](#) [P](#)



100-Acre Sites

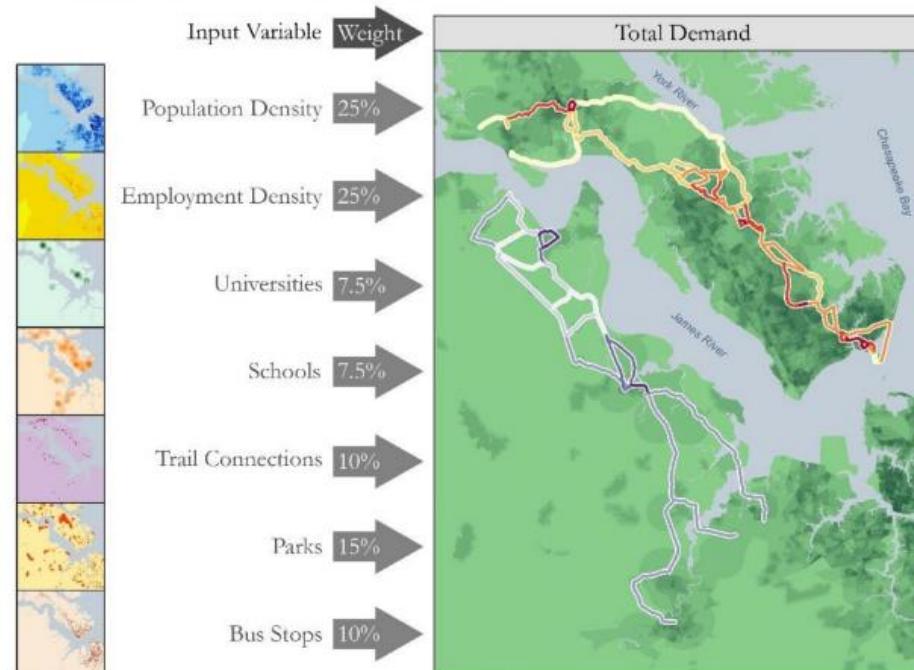
Site Information Tables



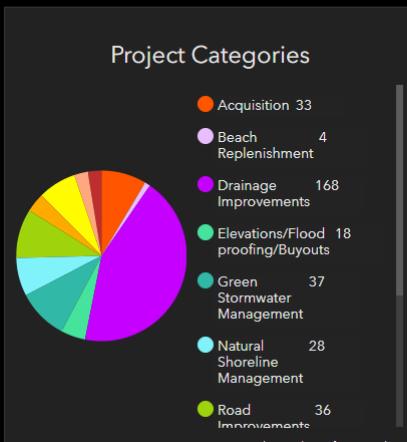
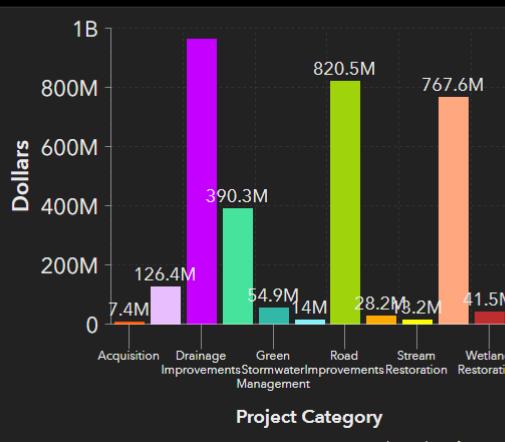
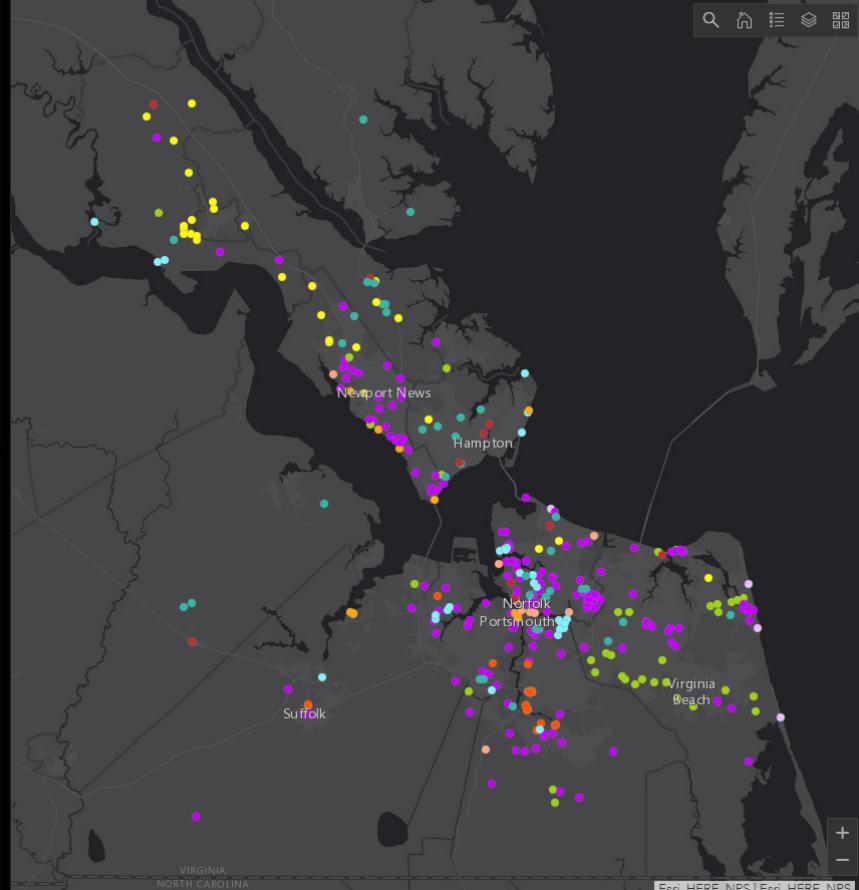
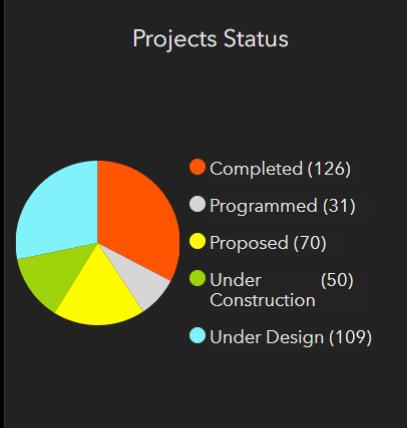
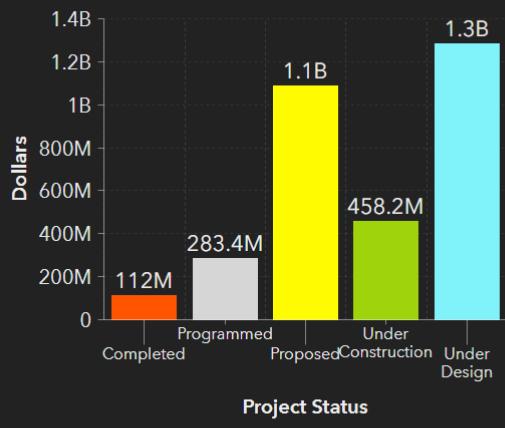
## Input and Analysis

## Birthplace of America Trail Study

FIGURE 8: DEMAND ANALYSIS – CRITERIA AND WEIGHTS



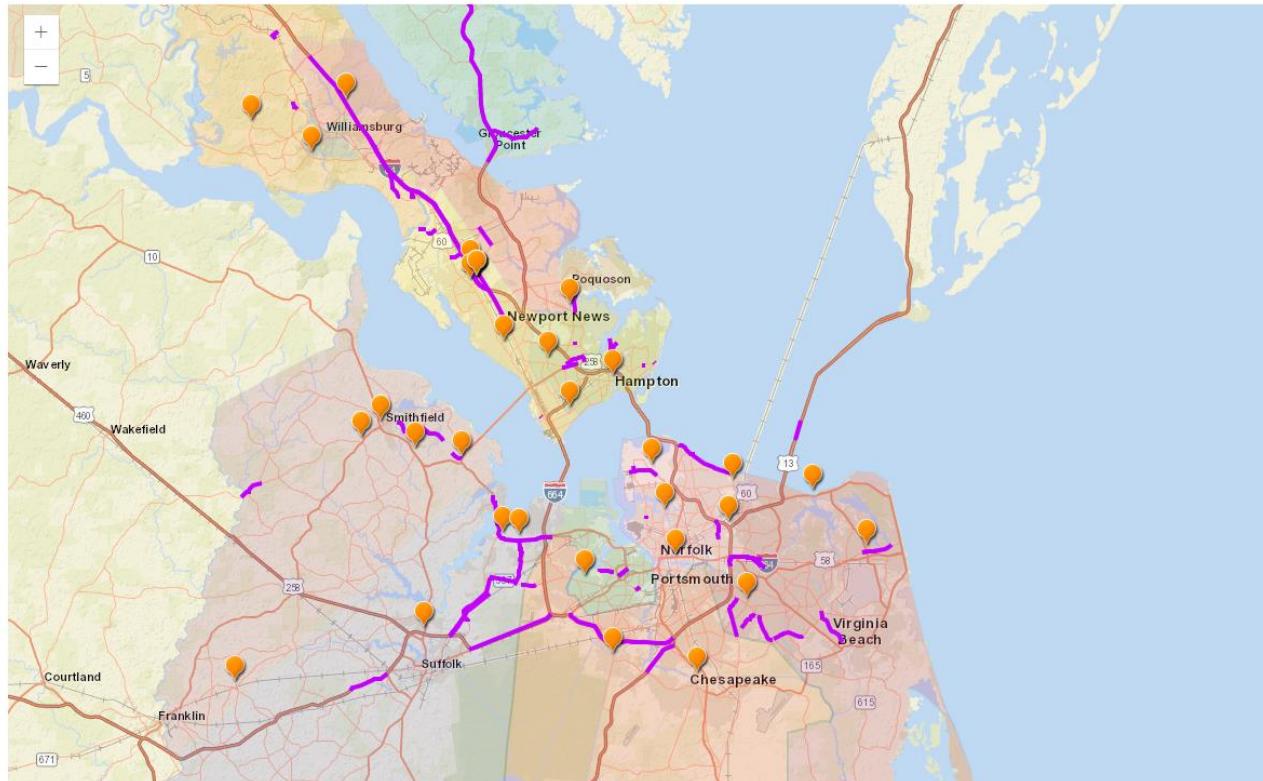
*A draft schematic showing how various demand generators contributed to the overall demand scoring process.*



MENU

Home » Interactive Project Map

## Interactive Project Map



About this map

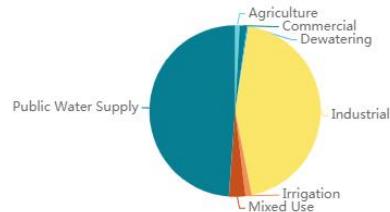
## 2017 HRPC Eastern Virginia Groundwater Withdrawal Permit Summary

This map shows the general location of systems with active groundwater withdrawal permits in the Eastern Virginia Ground Water Management Area as of December 31, 2017. For more information, see: <https://www.hrdcva.gov/library/view/757/hrpc-eastern-virginia-groundwater-withdrawal-permit-summary-2017>

2017 Permitted Groundwater Withdrawals (mgd) by Water Use Category

### Permitted Withdrawals by Water Use (mgd)

Chart will update when filters are applied. Click on a pie piece to highlight map points.

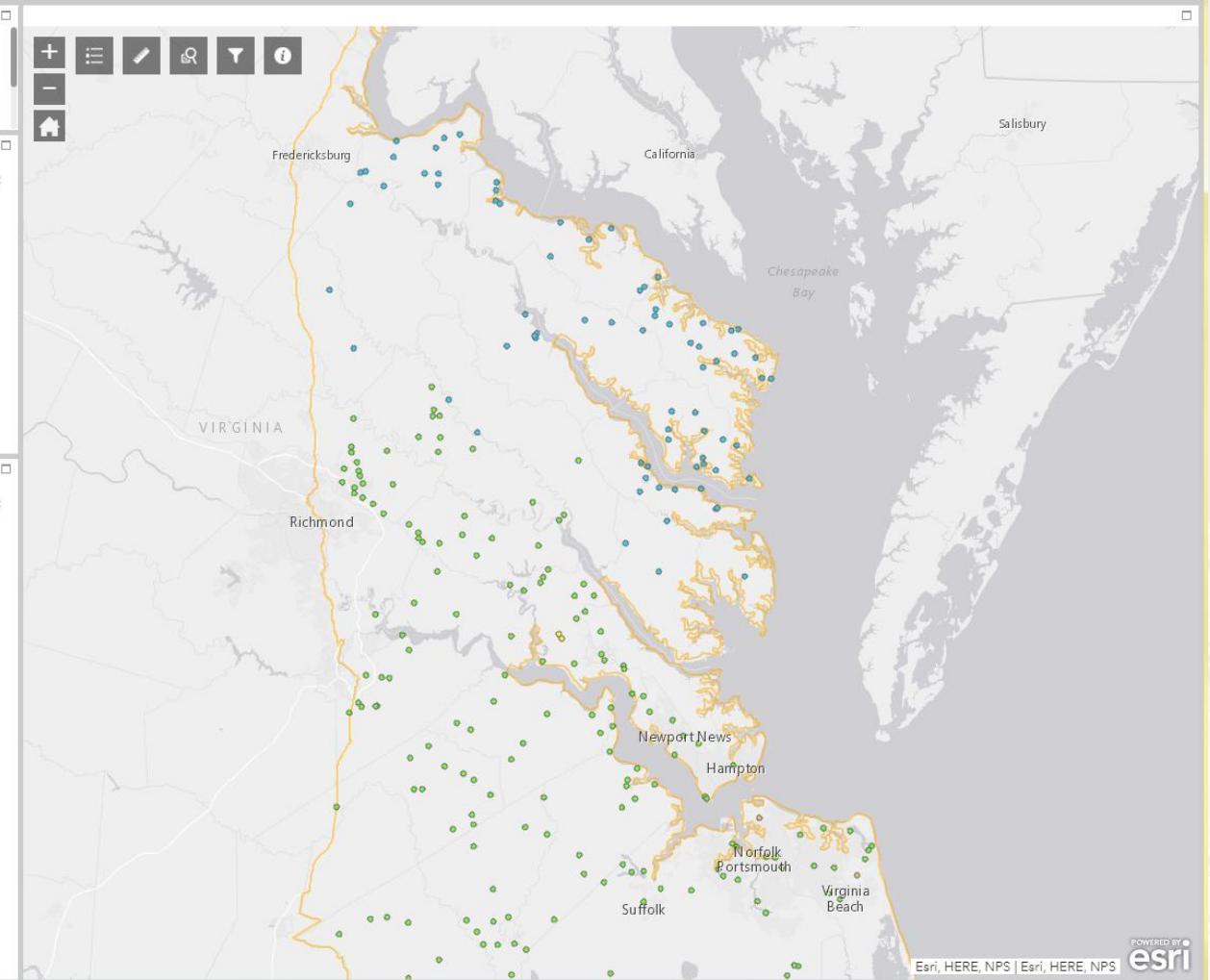


2017 Permitted Groundwater Withdrawals (mgd) by Aquifer

### Permitted Withdrawals by Aquifer (mgd)



Chart will update when filters are applied. Scroll to zoom in/out. Pending permits or unrestricted withdrawals are not included.



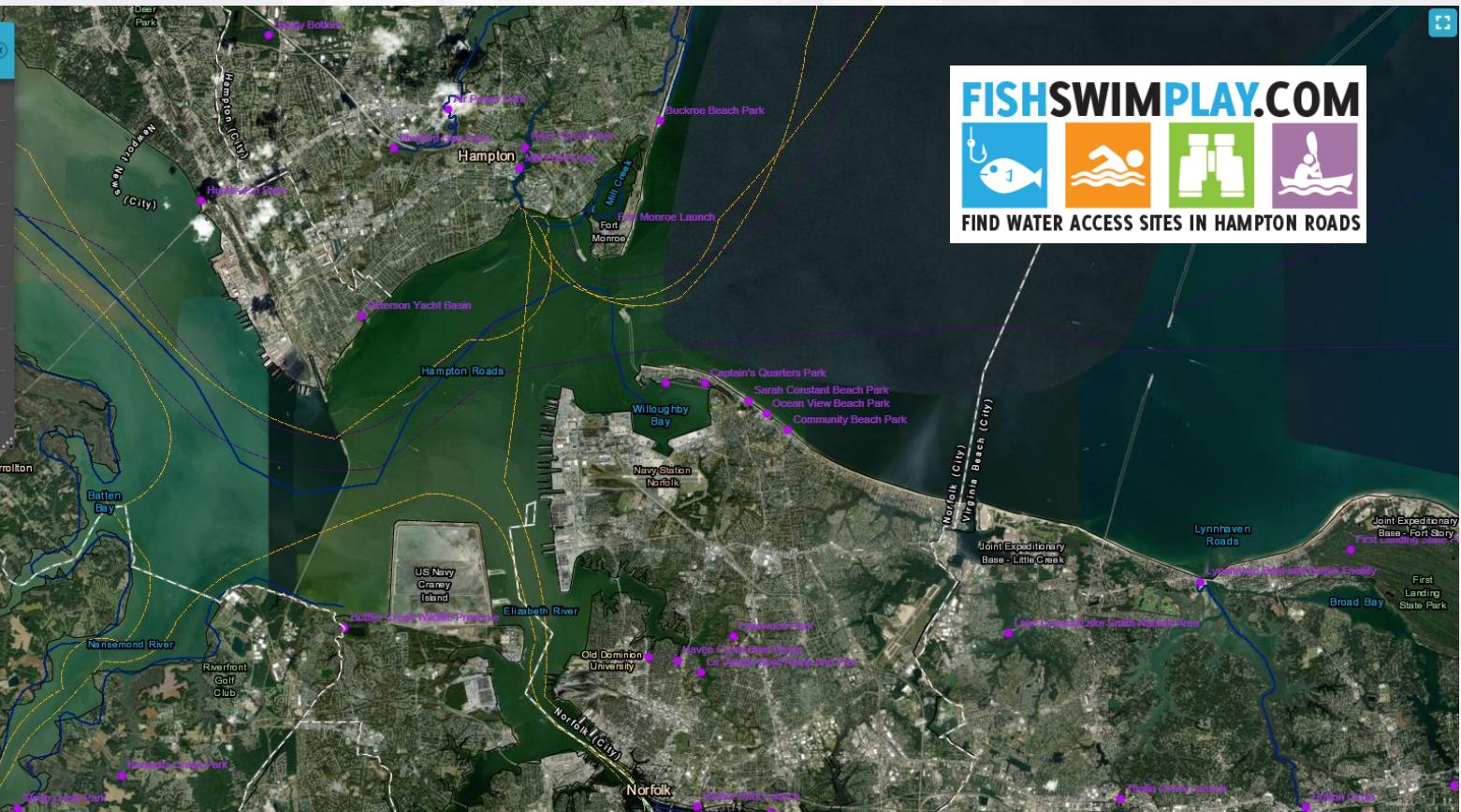
# Status of Birthplace of America Trail Segments

2019



Filter by Access Type

- Boat Ramps
- Canoe/Kayak
- Fishing Pier
- Bank Fishing
- Beach Access
- Nature Trail
- Observation Deck
- Boardwalk



FishSwimPlay.com - Find Water Access Sites in Hampton Roads



# STRAVA | METROHEAT MAP SERIES

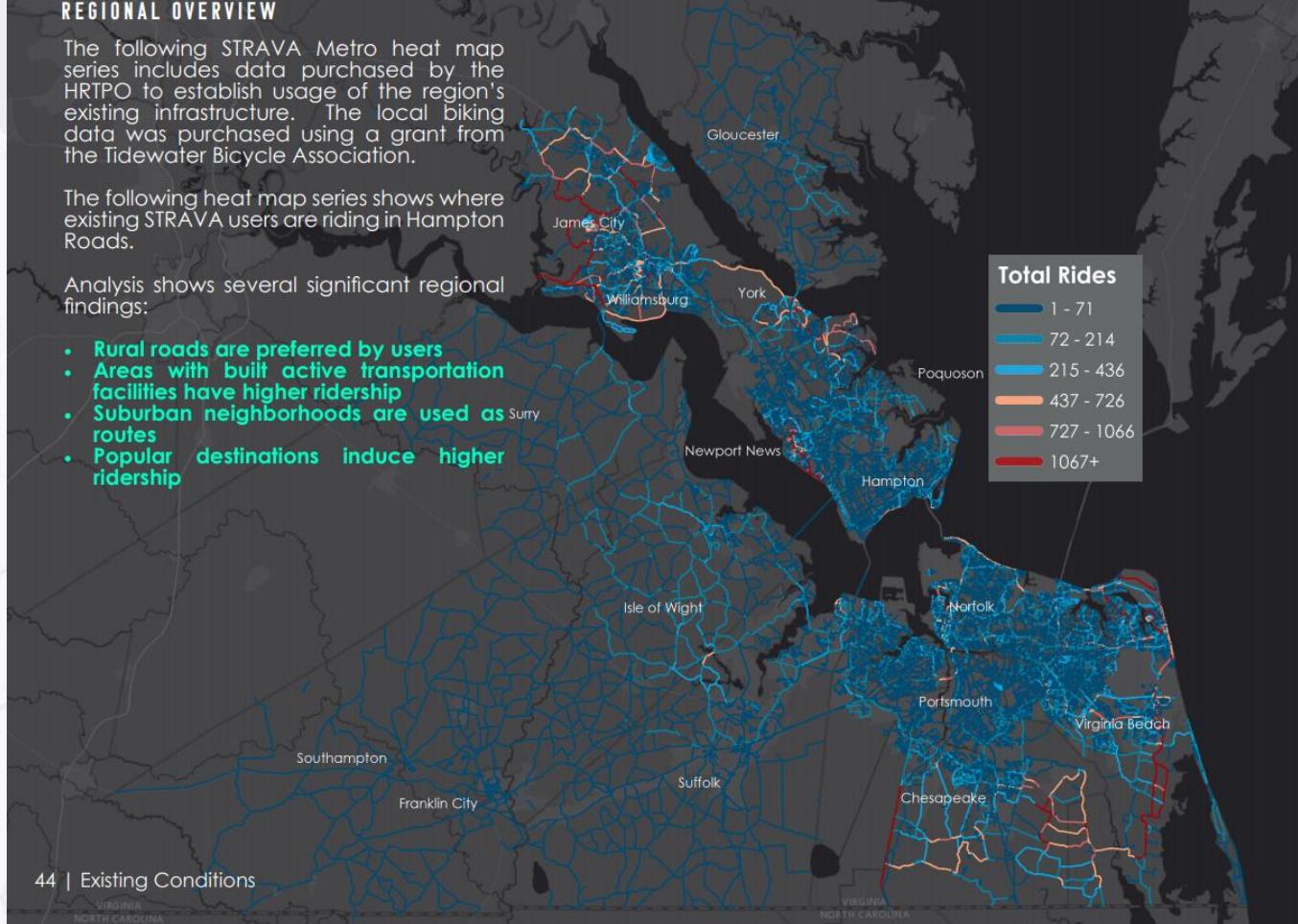
## REGIONAL OVERVIEW

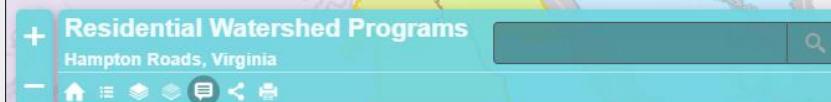
The following STRAVA Metro heat map series includes data purchased by the HRTPO to establish usage of the region's existing infrastructure. The local biking data was purchased using a grant from the Tidewater Bicycle Association.

The following heat map series shows where existing STRAVA users are riding in Hampton Roads.

Analysis shows several significant regional findings:

- Rural roads are preferred by users
- Areas with built active transportation facilities have higher ridership
- Suburban neighborhoods are used as Surry routes
- Popular destinations induce higher ridership





**Residential Watershed Protection Programs serving the Hampton Roads, Virginia region.**

Type an address into the search bar to zoom to that location and identify which residential program serves that location.

Click on the map to view watershed program details.

Choose an icon at the top of the page to toggle through the tools.

Current as of 10/17/2019

Created by the [Hampton Roads Planning District Commission](#)



0 3 6mi

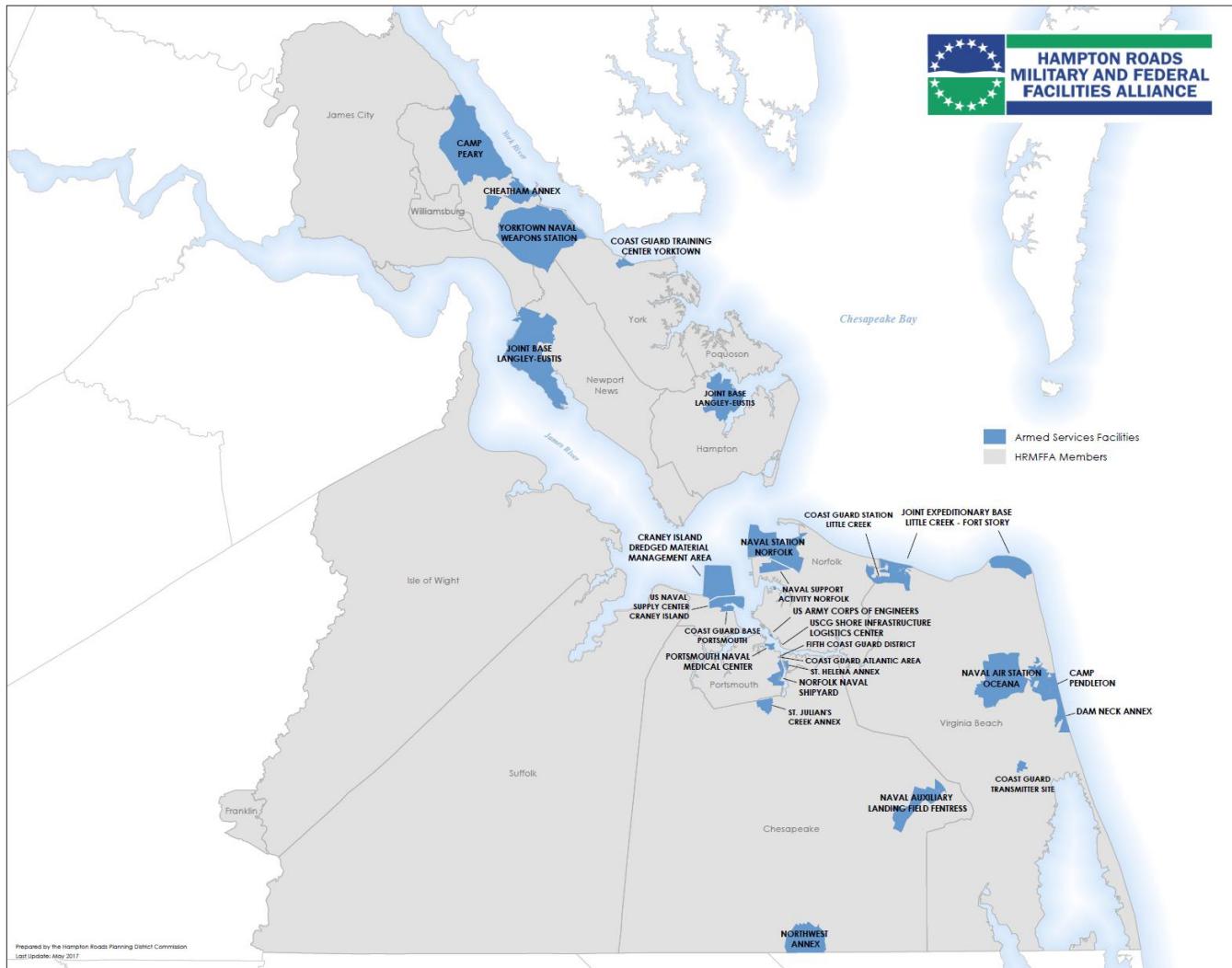
# Bicycle Commuters in Virginia Beach

American Community Survey, 2012-16





**HAMPTON  
ROADS  
MILITARY AND FEDERAL  
FACILITIES ALLIANCE**



## 1 2040 Long-Range Transportation Plan

The Fiscally-Constrained Hampton Roads 2040 Long-Range Transportation Plan (LRTP) includes Committed Projects, Regional Priority Projects, Highway Construction Projects, Transit Construction Projects, Active Transportation Construction Projects, and Regional Transportation Studies planned for Hampton Roads over the next 20 years. Fiscal-constraint is the demonstration of sufficient funding to implement the proposed transportation improvements described here and depicted on the maps.

The map you see to your right contains all of the fiscally-constrained projects in the 2040 LRTP separated by type. The maps following, #2 - #11, are part of the Title VI/Environmental Justice (EJ) Analysis section from the Plan Performance document. Please note that committed projects are projects that will soon begin or are currently under construction. Due to the construction status of these projects, they were not evaluated during the Title VI/EJ Analysis.

Note: Two projects not mapped include the Enhanced Bus Service/Bus Replacement: HRT and the Enhanced Bus Service/Bus Replacement: WATA.

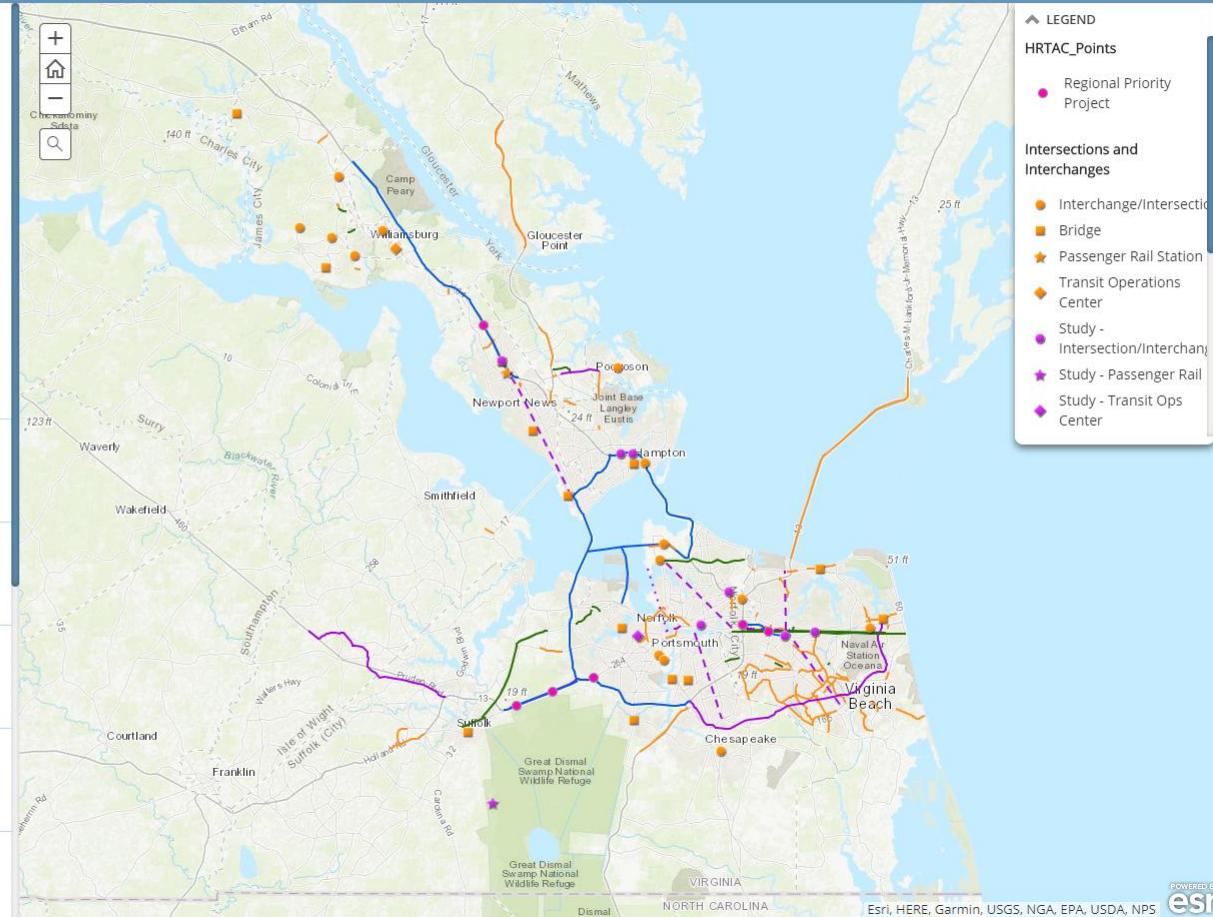
## 2 EJ Population: Disabled

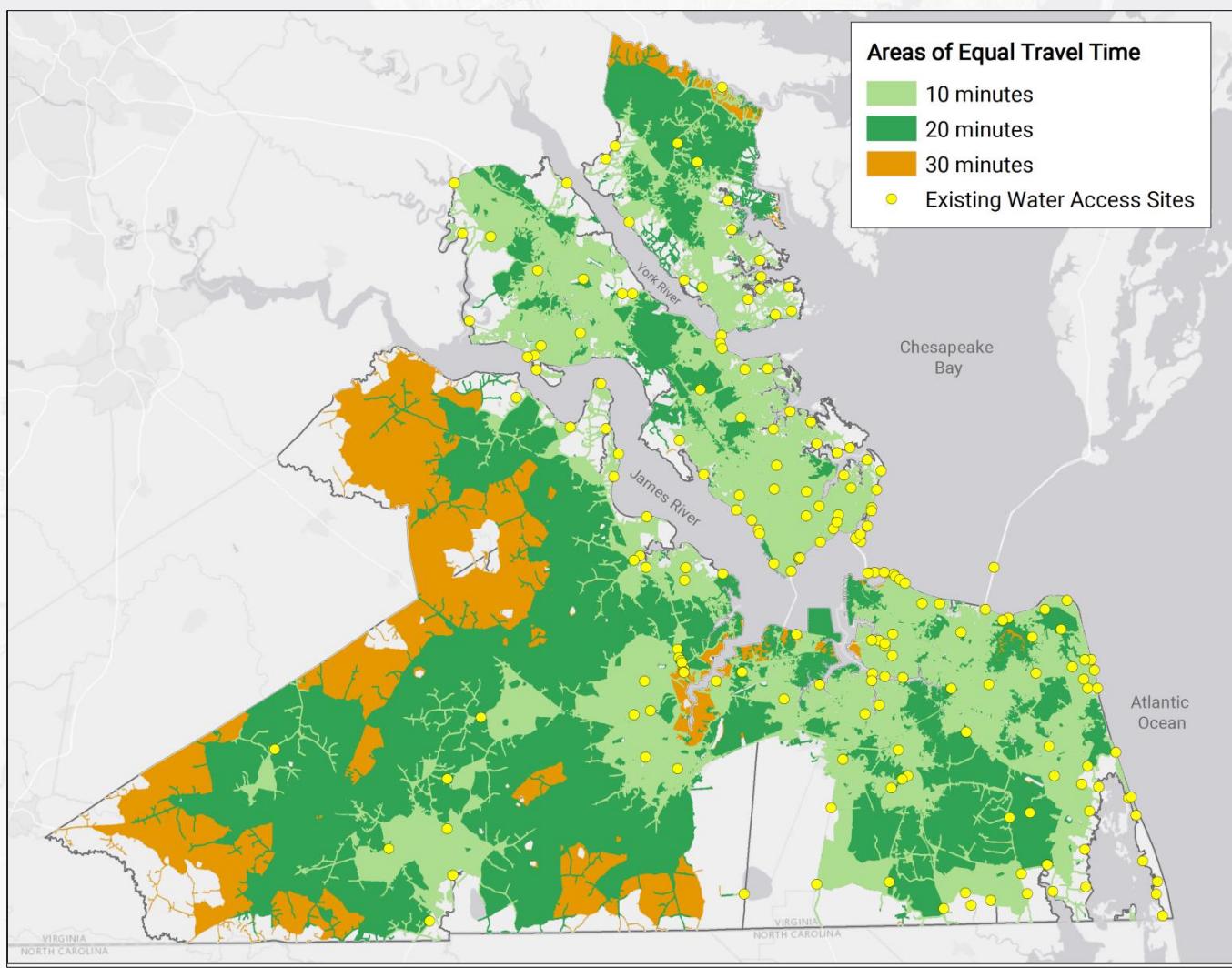
## ► 3 EJ Population: Elderly

## ► 4 EJ Population: Female Head of Household

► 5 EJ Population: Households with Cash Public Assistance

## ► 6 EJ Population: Households receiving Food Stamps

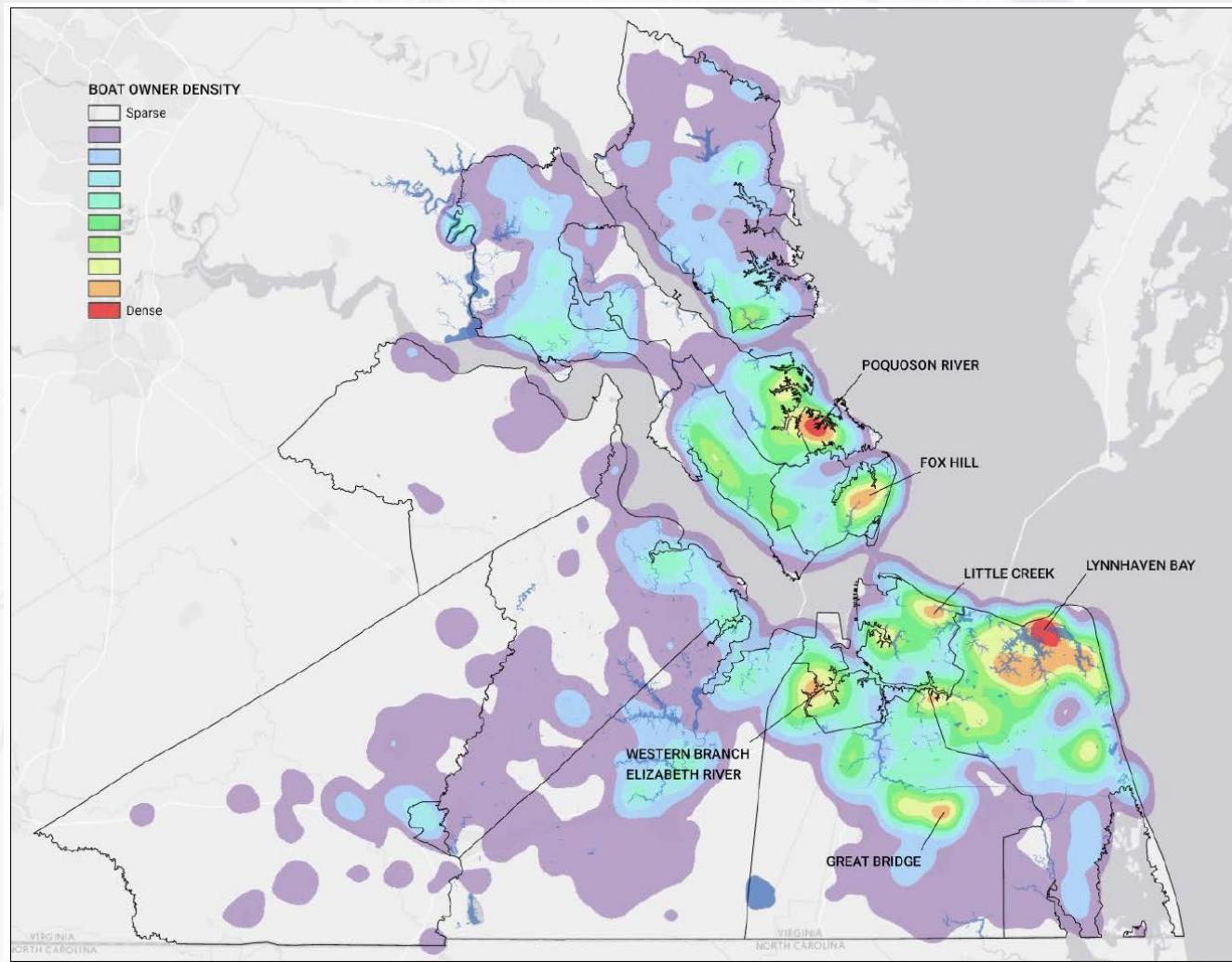


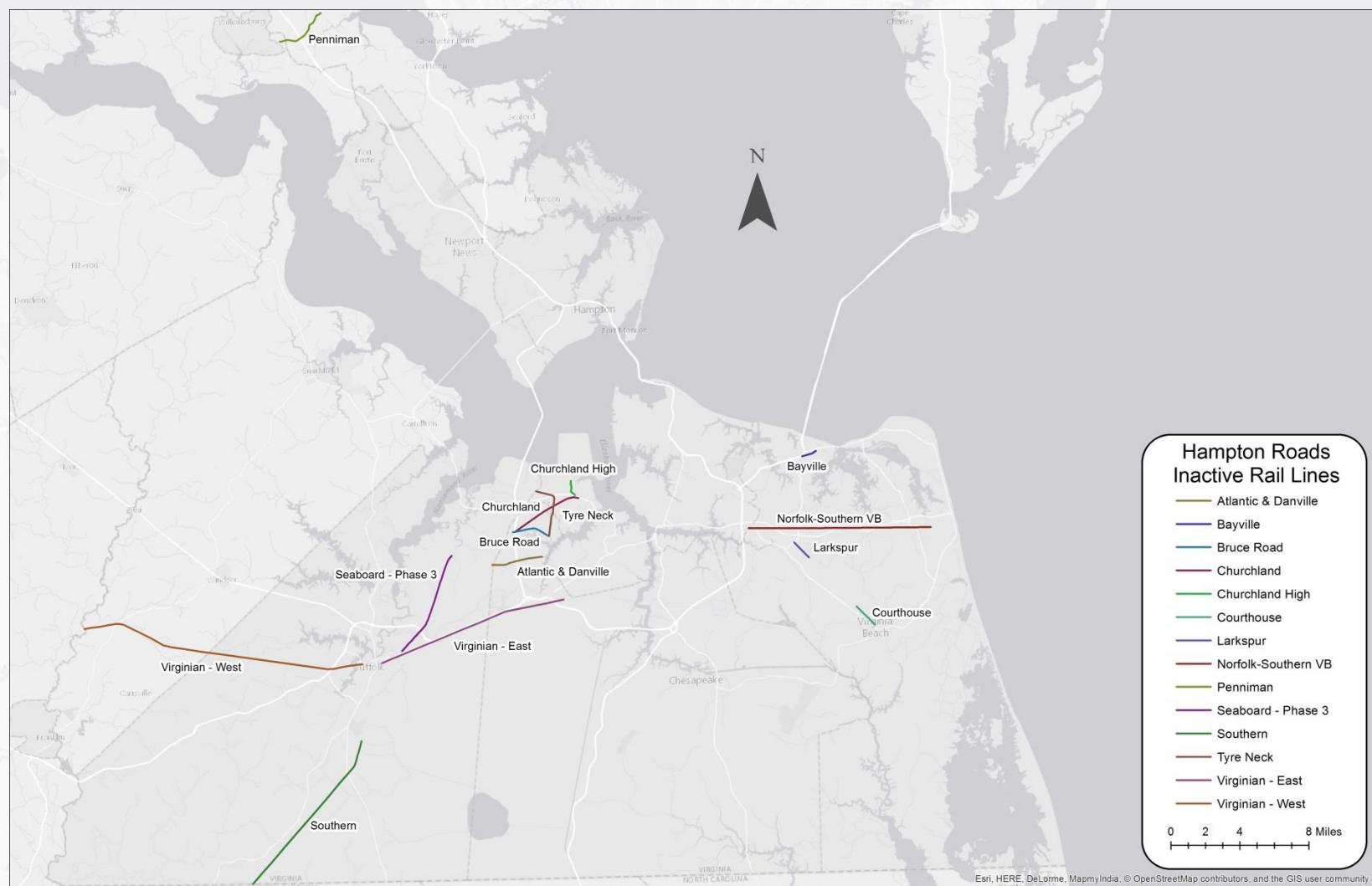


# Destinations of Trucks from Port-Related Distribution Centers

July 2016 – June 2017







### Hampton Roads Inactive Rail Lines

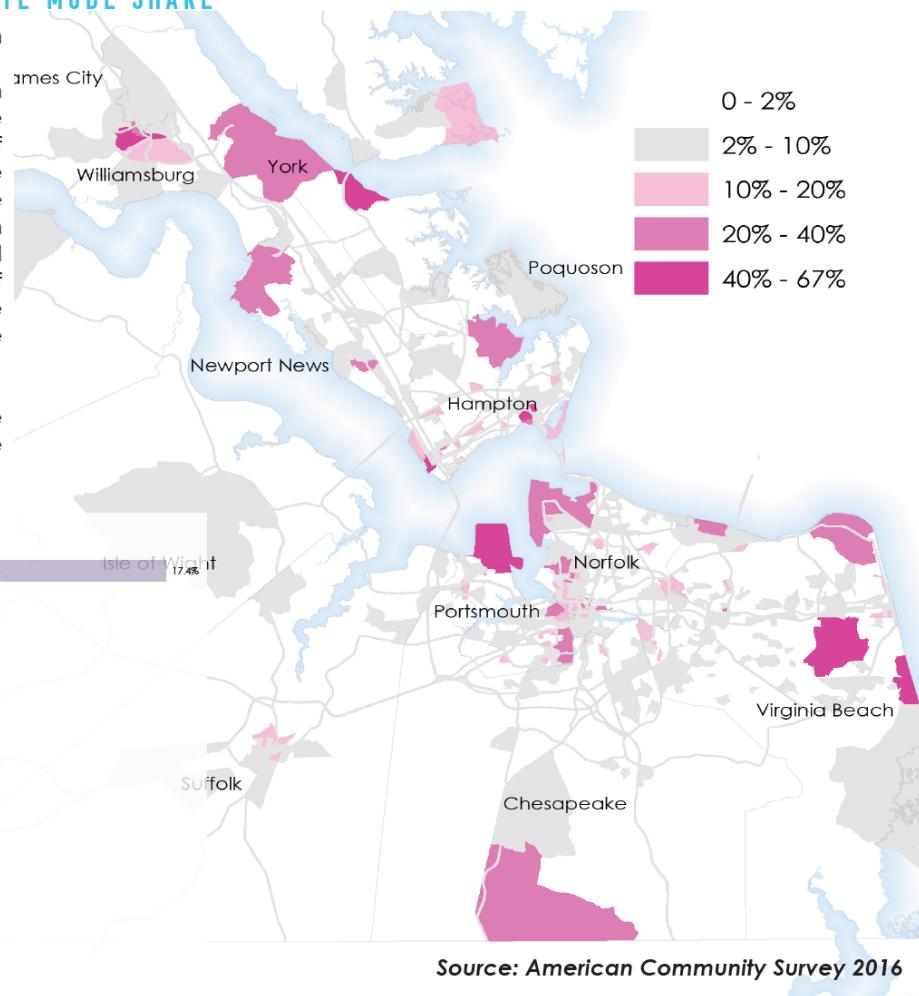
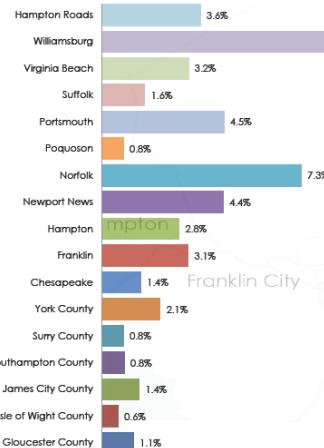
- Atlantic & Danville
- Bayville
- Bruce Road
- Churchland
- Churchland High
- Courthouse
- Larkspur
- Norfolk-Southern VB
- Penniman
- Seaboard - Phase 3
- Southern
- Tyre Neck
- Virginian - East
- Virginian - West

0 2 4 8 Miles

## ACTIVE TRANSPORTATION COMMUTE MODE SHARE

At 3.5 percent, Active Transportation (walking and biking combined) commute mode share in the Hampton Roads Region is higher than the state average of 2.8 percent. The city of Williamsburg has the highest percentage (17.4) over six times that of the state rate. The Southside region had an average rate of 3.5 percent compared to the Peninsula region average rate of 3.4 percent. As shown on the map, the areas with the highest percentage are in urban areas and military bases.

The commute mode share rate average for each locality can be seen in the graph below.



# GIS day

**More maps available  
for viewing in the main lobby  
outside Room D/E**