

Annual Work Plan

HRPDC Staff
January 8, 2020



Overview

WHERE TO FOCUS OUR EFFORTS



Research



Source Water
Protection



Regulatory



Groundwater



Wastewater



Cooperation

Research



AFFORDABILITY

Research industry trends including: affordability programs, declining demands, and conservation programs



WATER RATES

Collect and compile annual water rate information



JOB SECURITY

Review salary trends and apprenticeship programs across the industry



WATER MANAGEMENT

Research state and regional approaches to water management and permitting

Source Water Protection

TIMELINE OF SIGNIFICANT EVENTS



UPDATE INVENTORY

All databases associated with the Source Water Assessment have been updated



REFINE INVENTORY

Inventory of potential sources of contamination



COLLECT SOURCE WATER CONTACTS

Working to schedule the first meeting



PRIORITIZE INVENTORY

Develop a regional risk assessment protocol



ADDRESS CLIMATE CHANGE

Identify potential impacts from climate change and missing data

Water Quality Response Plan

Update and distribute the Water Quality Response Plan points of contact and guidelines



How would you like us to distribute them?



What else would you like us to add?

Emergency Contact List for In Town Lakes

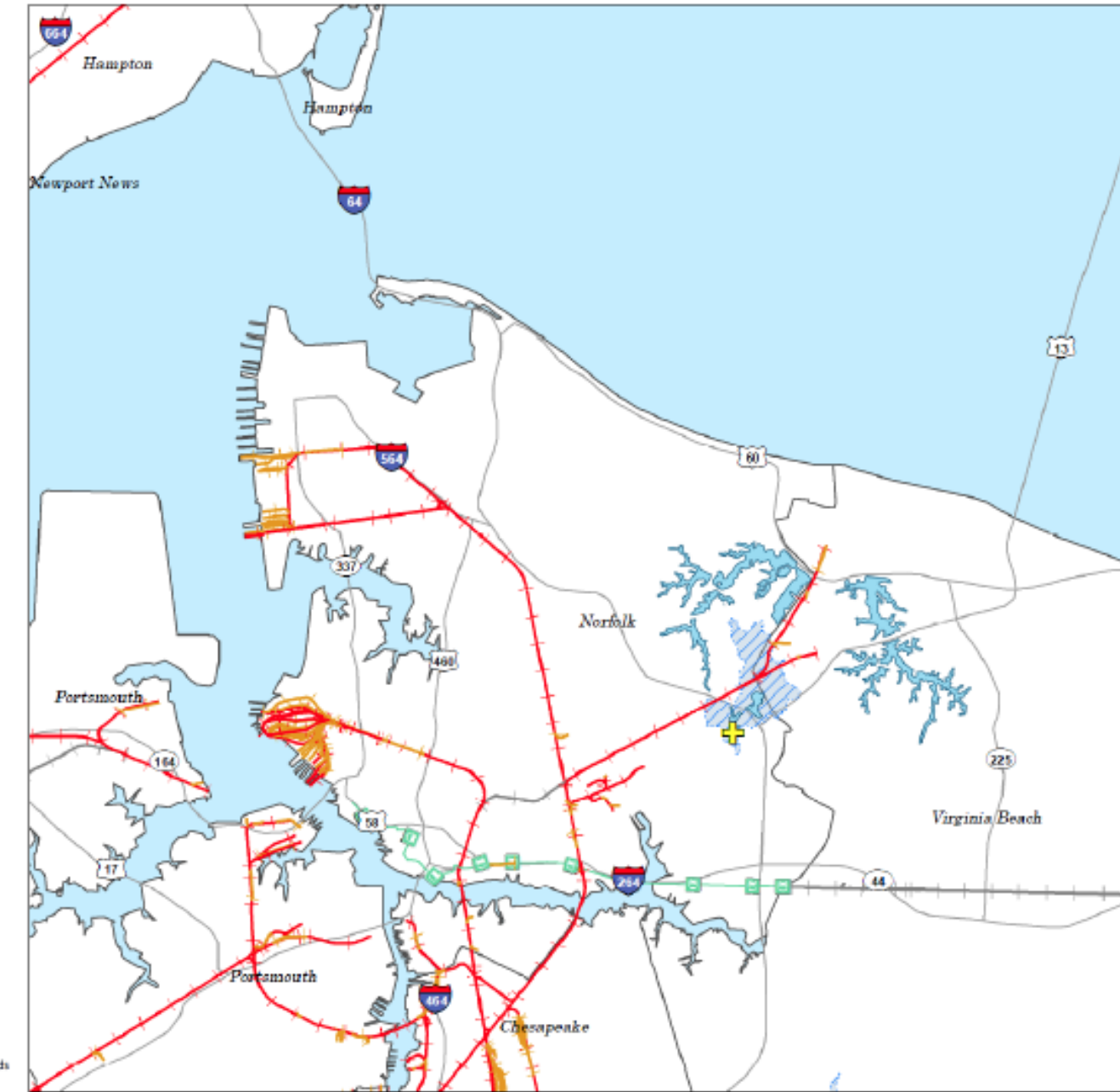
HAMPTON ROADS WATER QUALITY RESPONSE PLAN In-Town Lakes

- IN TOWN LAKES INTAKE
- Railroad (Hampton Roads Lines)
- Light Rail
- Main line or major industrial lead
- Minor industrial lead, passing loop, or yard truck
- Out of service (maintained or abandoned with trac)
- Source Water Protection Zone 1
- Source Water Protection Zone 2

0 0.5 1 2 3 Miles

Railroad information shown on this map is from the "Hampton Roads Rail Network" shapefile (HRPOC, 2011), which includes rail networks within the Hampton Roads Planning District Commission's political boundaries. The data is intended for regional planning purposes and should not be used for site specific studies. The displayed rail network does not contain every individual rail line. For example, in rail yards only a representative number of lines are shown.

Map produced by the staff of the Hampton Roads Planning District Commission (October 2019).



	LOCATION/ADDRESS	CONTACT NAME(S)	CONTACT TITLE(S)	OFFICE	MOBILE
Norfolk Public Utilities	401 Monticello Avenue Norfolk, VA 23501 Phone: 757-664-6701	Kristen Lentz	Director	664-6723	617-3244
		Robert Carteris	Assistant Director	664-6727	621-2621
		Chris Harbin	Water Production Manager	441-5678 x225	604-3365
		Jillian Terhune	Water Quality Manager	441-5678 x270	354-6197
		Operations Center 24 hour	24 Hour	441-5683	
		City Emergency Contact	24 hour number	441-5610	
		Emergency Number for Water/Sewer Breaks	24 Hour	823-1000	
Norfolk Health Department	Norfolk Health Department 830 Southampton Ave., Suite 200 Norfolk, VA 23510 Phone: 757-683-2796 Fax: 757-683-8878	Dr. Demetria Lindsay	District Director	683-2796/683-2497	(757) 412-7656
		Norman Grefe	Environmental Health Manager	(757) 683-2824	418-0147
		Paul Brumund	Business Manager	(757) 683-2797	
		Eve Zentrich	Emergency Planner	(757) 683-2834	(757) 639-9939
		Delores Paulding	Nurse Manager	(757) 683-2788	
		Emergency Contact	24 Hour Number	683-2800	
		Emergency Operations Center	Health Department EOC	314-2316	

Regulatory



WORK TO IMPROVE TRANSPARENCY WITH PERMITTING

i.e. VAHydro



SERVE ON REGULATORY ADVISORY PANELS

We attend the following:

- Groundwater Trading Workgroup
- Waterworks Advisory Committee (VHD-ODW)
- SWIFT Oversight Committee
- & more



STATE WATER SUPPLY PLAN

Assess the applicability of the State
Water Supply Plan to the region




MONITOR LEGISLATIVE AND REGULATORY ISSUES

Monitor legislative and regulatory issues
affecting public water supply and
coordinate regional comments as needed


Groundwater


GROUNDWATER MITIGATION PROGRAM

 Analysis of impacts of groundwater withdrawals and administration of program

 Groundwater education






 Track technical and policy changes in DEQ's application of regional groundwater model in evaluation of permits

 Continue analysis to estimate the sustainable yield of the Virginia Coastal Plain Aquifer system

 Reinstate quarterly meetings with DEQ, USGS, and localities to refine implementation of the state groundwater regulatory program

Groundwater

GROUNDWATER MITIGATION PROGRAM

-  Analysis of impacts of groundwater withdrawals and administration of program
-  Groundwater education
-  Track technical and policy changes in DEQ's application of regional groundwater model in evaluation of permits
-  Continue analysis to estimate the sustainable yield of the Virginia Coastal Plain Aquifer system
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INTERACTIVE GROUNDWATER MAPS



Groundwater Permits and Reported Use

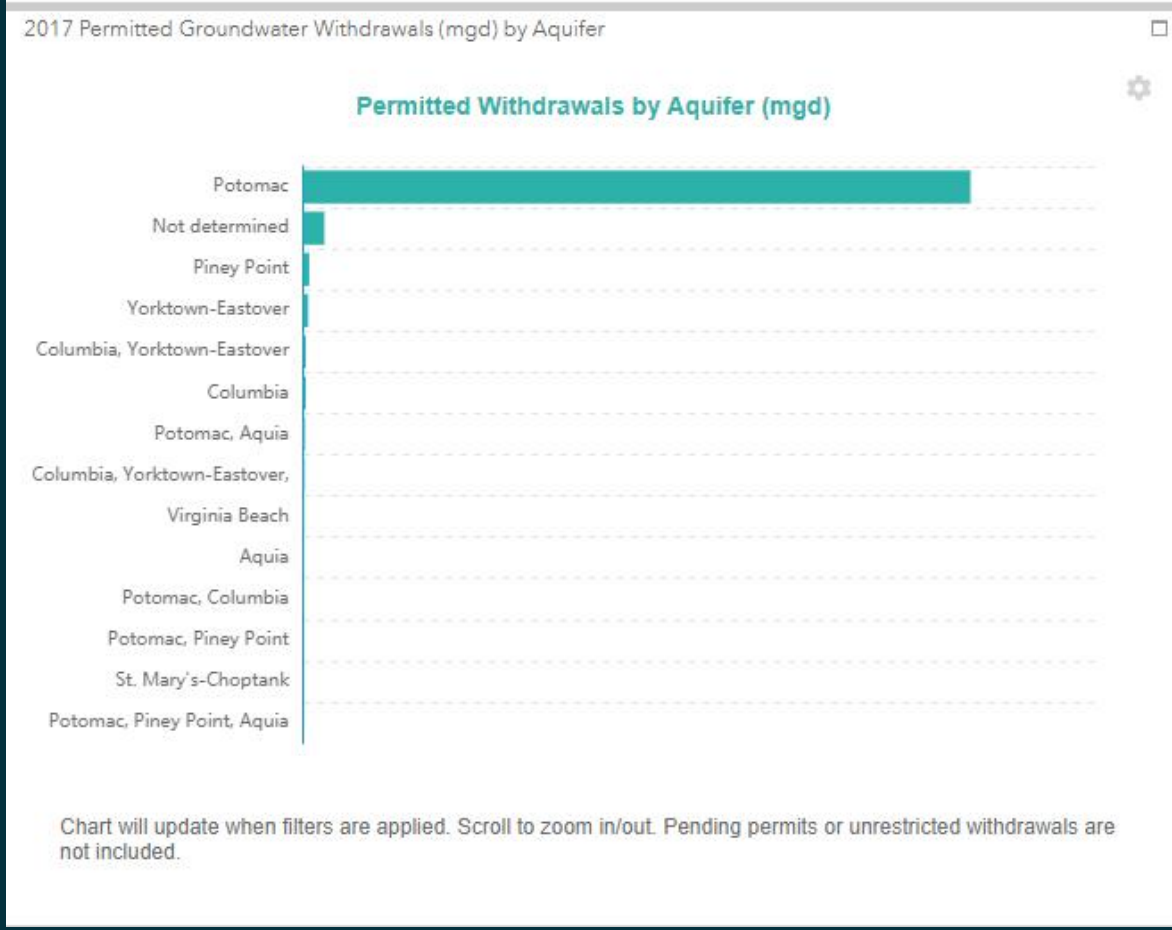
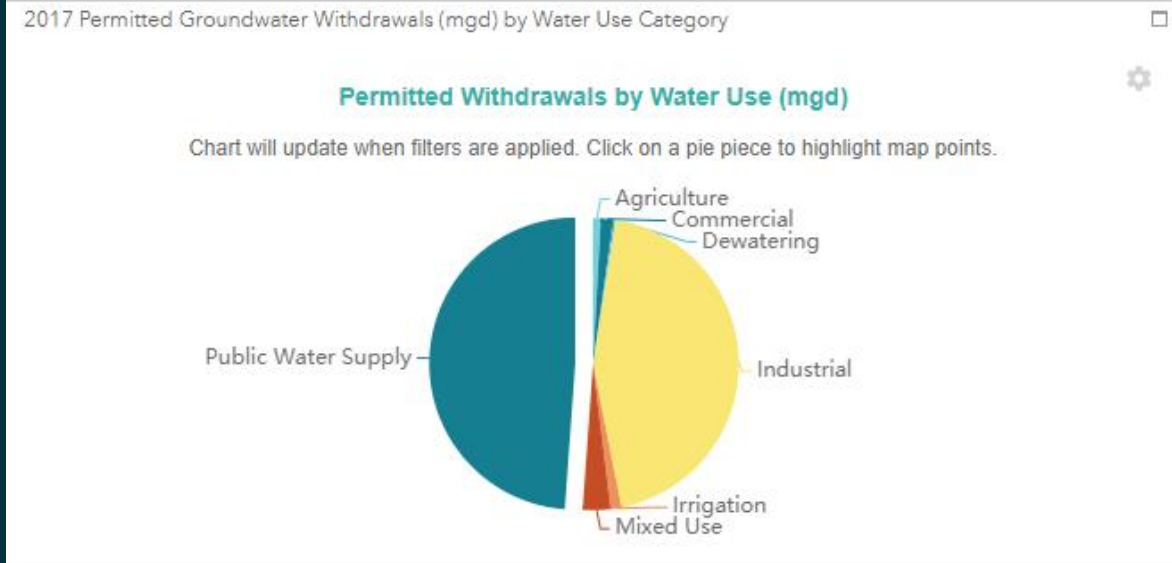


Groundwater Levels

Groundwater Permits

About this map

2017 HRPDC 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.hrpdcva.gov/library/view/757/hrpdc-eastern-virginia-groundwater-withdrawal-permit-summary-2017>



BFinal_2017EasternVaGWMAPermits

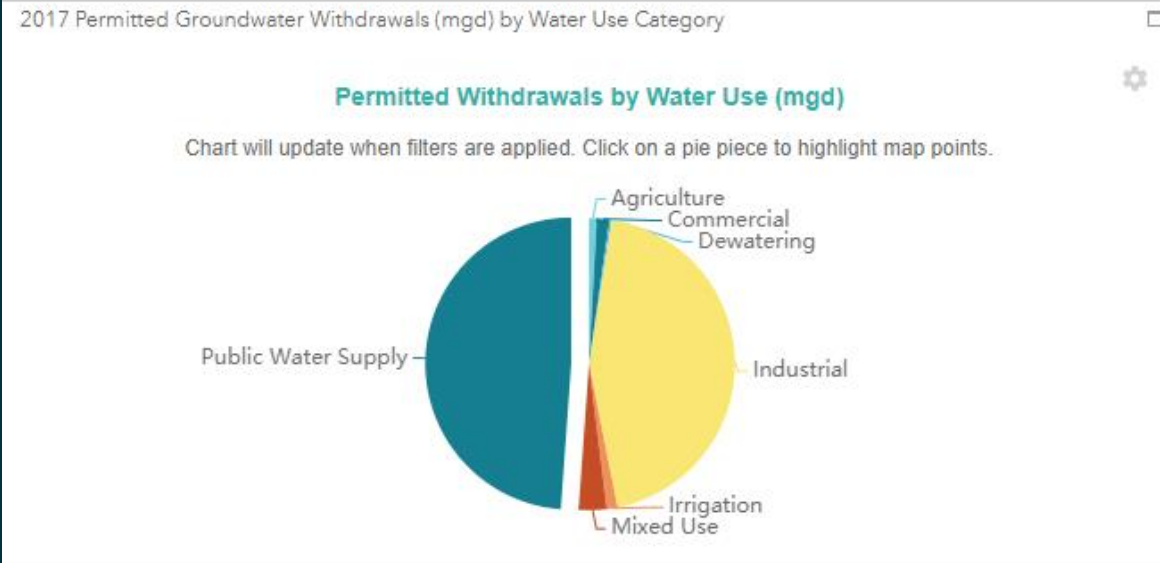
Permit Status	Permit Issued - Original GWMA
Permit No.	GW0068500
Effective Date	5/31/2008
Expiration Date	5/30/2018
Permittee	CW Reeson Boxwood Nursery
System Name	CW Reeson Boxwood Nursery
Source Aquifer	Potomac
Withdrawal Limit (mgd)	0.0090
Withdrawal Limit (gpd)	3,289,376
Limit for Permit Term (gal, if applicable)	
Water Use	Aariculture
Zoom to	...



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Reported Use Graphs for Virginia Wells

Add Filter options for: Aquifer, Water Use Type, and Locality

Potomac Actual Use

P48 - GW0043900

Year	Reported Annual Withdrawal (MGD)
1985	0.2
1988	0.8
1990	0.2
1992	0.3
1994	0.2
1996	1.5
1998	0.2
2000	4.8
2001	4.5
2002	5.0
2003	4.0
2004	4.3
2005	4.2
2006	3.9
2007	4.1
2008	3.8
2009	4.0
2010	4.4
2011	4.5
2012	3.5
2013	3.0
2014	2.9
2015	2.6
2016	2.7
2017	2.5
2018	2.5

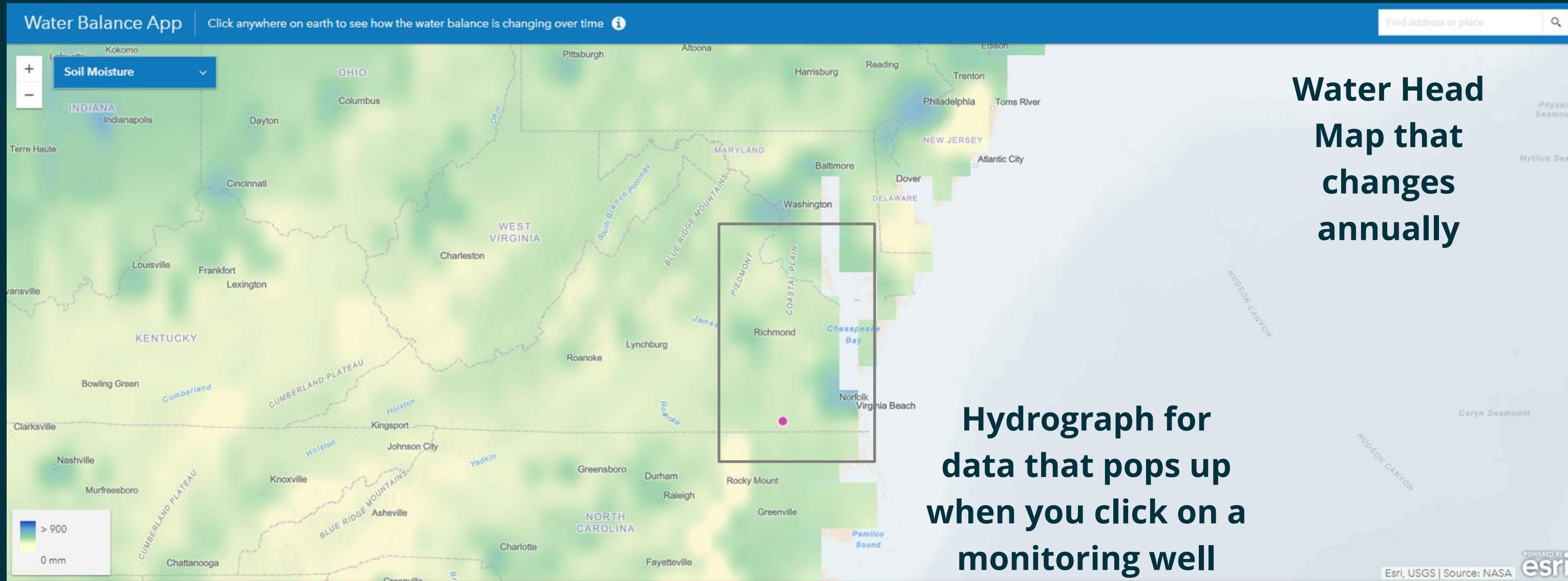
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Groundwater Level Maps

*for the area of the model/EVGMA

Would choose which aquifer to look at



Data downloaded from USGS website for Eastern Virginia Groundwater Management Area

Download data as csv option

Wastewater

SSORS

Manage and provide routine assistance to localities, VDH, and DEQ

CONSENT ORDERS

Will continue to coordinate the regional process.

Potomac Aquifer

Recharge Oversight

Committee

SEPTIC TANKS

Track challenges related to septic tanks and search for funding solutions.

ANY ADDITIONAL PROJECTS

Do you have any in mind?

Cooperation



ECONOMIC DEVELOPMENT INITIATIVES

Maintain communication about initiatives
as related to utilities



SUPPORT

Provide administrative and technical
support



FACILITATE COMMUNICATION

Between military installations, regional
emergency management programs, local
health departments and utilities as
needed



FACILITATE COOPERATION

Facilitate the Committee process

ANY ADDITIONAL
COMMENTS?
