

Eastern Virginia (Coastal Plain) Ground Water Management Area GROUNDWATER WITHDRAWAL PERMIT SUMMARY 2014

This map summarizes systems with active groundwater withdrawal permits in the Eastern Virginia Ground Water Management Area.

Permit Count	Permit Activity
177	Total permits
163	Active Permits - Issued
3	Certificates of Groundwater Rights
3	Systems with Unrestricted Withdrawals
8	Active Permit - Pending Issuance

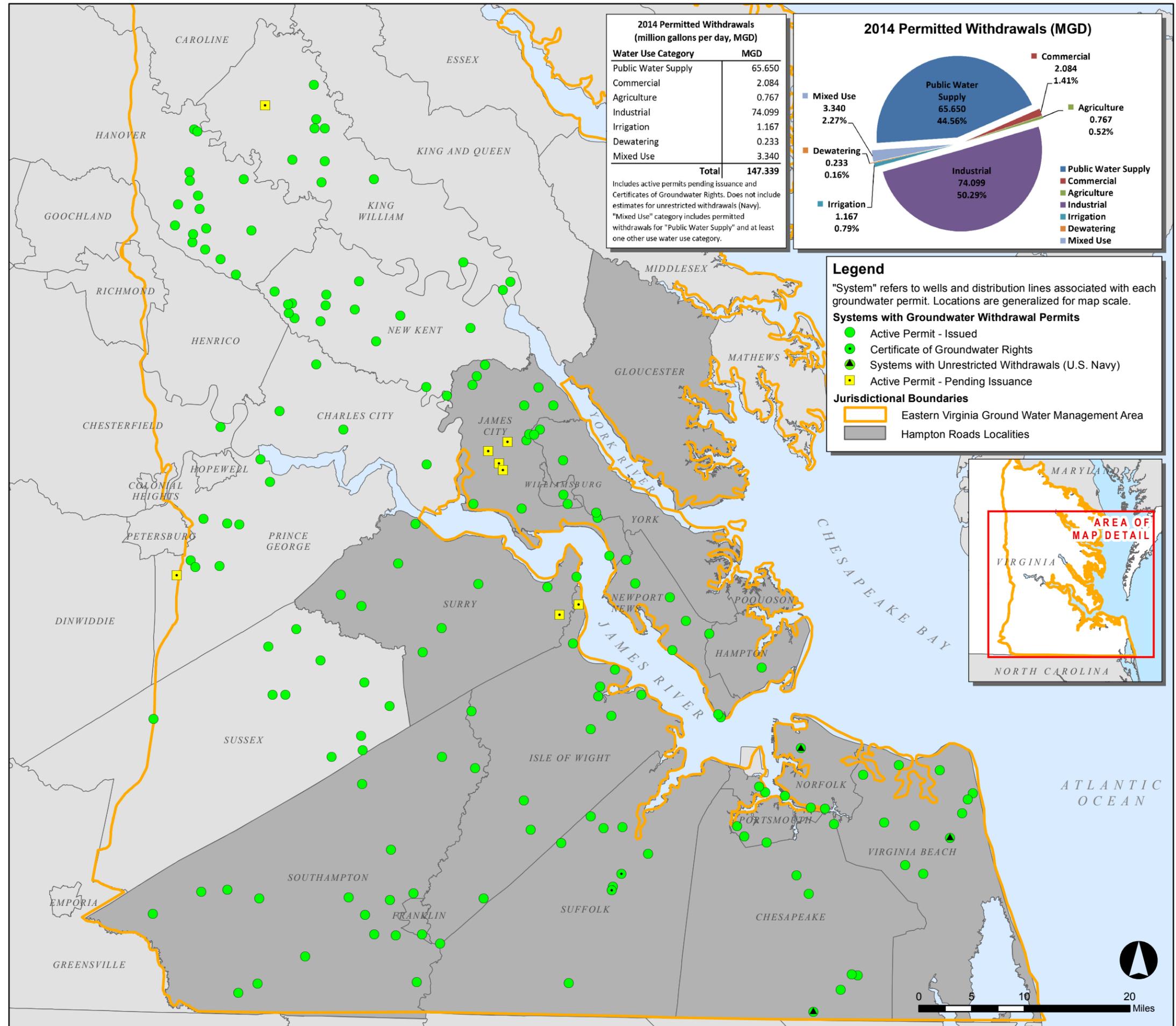
Source Aquifer	Water Use Category	Permit Count	Total Permitted Withdrawals (MGD)
Columbia	Industrial	1	0.043
	Industrial	*1	0.062
	Irrigation	2	0.091
	Irrigation	1	unrestricted (Navy)
	Dewatering	1	0.233
Columbia & Yorktown-Eastover	Public Water System	1	0.334
	Public Water System	1	unrestricted (Navy)
	Irrigation	3	0.268
Yorktown-Eastover	Mixed Use	1	0.116
	Industrial	8	0.256
	Agriculture	2	0.120
	Irrigation	5	0.252
	Irrigation	1	unrestricted (Navy)
St. Mary's-Choptank	Public Water System	1	0.027
Piney Point	Public Water System	8	0.823
	Public Water System	3	(pending) 0.088
Chickahominy & Piney Point	Public Water System	1	(pending) 0.043
	Industrial	1	0.059
Aquia	Public Water System	1	0.097
Virginia Beach	Public Water System	1	0.093
Virginia Beach	Mixed Use	1	0.075
Potomac	Public Water System	65	48.673
	Public Water System	3	(certificates) 15.424
	Public Water System	2	(pending) 0.055
	Mixed Use	22	3.115
	Mixed Use	1	(pending) 0.026
	Industrial	18	73.623
	Industrial	*1	0.055
	Commercial	2	1.960
	Commercial	1	(pending) 0.124
	Agriculture	13	0.646
Irrigation	5	0.555	
Total:		177	147.339

*The limits of this permit apportion withdrawals between the Columbia and Potomac aquifers.

Map created by HRPDC staff (November 2014).

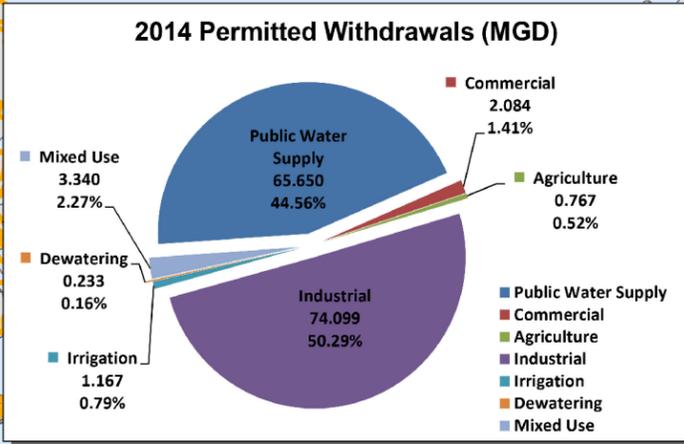
Note: Eastern Virginia Ground Water Management Area, effective 1/1/2014 (amendments to 9VAC25-600). Boundary as shown provided by Virginia DEQ.

Source: Information exported from the Virginia DEQ Groundwater Permit Database (September 30, 2014). Data was classified by HRPDC staff and includes subsequent permit activity through the October 29, 2014 action modifying GW0043501, AEC Virginia (formerly Narricot Industries, LLC).



2014 Permitted Withdrawals (million gallons per day, MGD)	
Water Use Category	MGD
Public Water Supply	65.650
Commercial	2.084
Agriculture	0.767
Industrial	74.099
Irrigation	1.167
Dewatering	0.233
Mixed Use	3.340
Total	147.339

Includes active permits pending issuance and Certificates of Groundwater Rights. Does not include estimates for unrestricted withdrawals (Navy). "Mixed Use" category includes permitted withdrawals for "Public Water Supply" and at least one other use water category.



Legend

"System" refers to wells and distribution lines associated with each groundwater permit. Locations are generalized for map scale.

Systems with Groundwater Withdrawal Permits

- Active Permit - Issued
- Certificate of Groundwater Rights
- ▲ Systems with Unrestricted Withdrawals (U.S. Navy)
- Active Permit - Pending Issuance

Jurisdictional Boundaries

- Eastern Virginia Ground Water Management Area
- Hampton Roads Localities

