

## **APPENDIX B – EXISTING GAUGES AND OTHER INFORMATION MAPS**

B.1. Large Format Overview Map (HUC 8 Watershed Boundaries)

B.2. Stream Gauges and Rain Gauges Existing Map, USGS stream gauges, IFLOWs rain and stream gauges, and other stream gauges (provided by NWS)

B.3. DEQ Gauge Map and Key

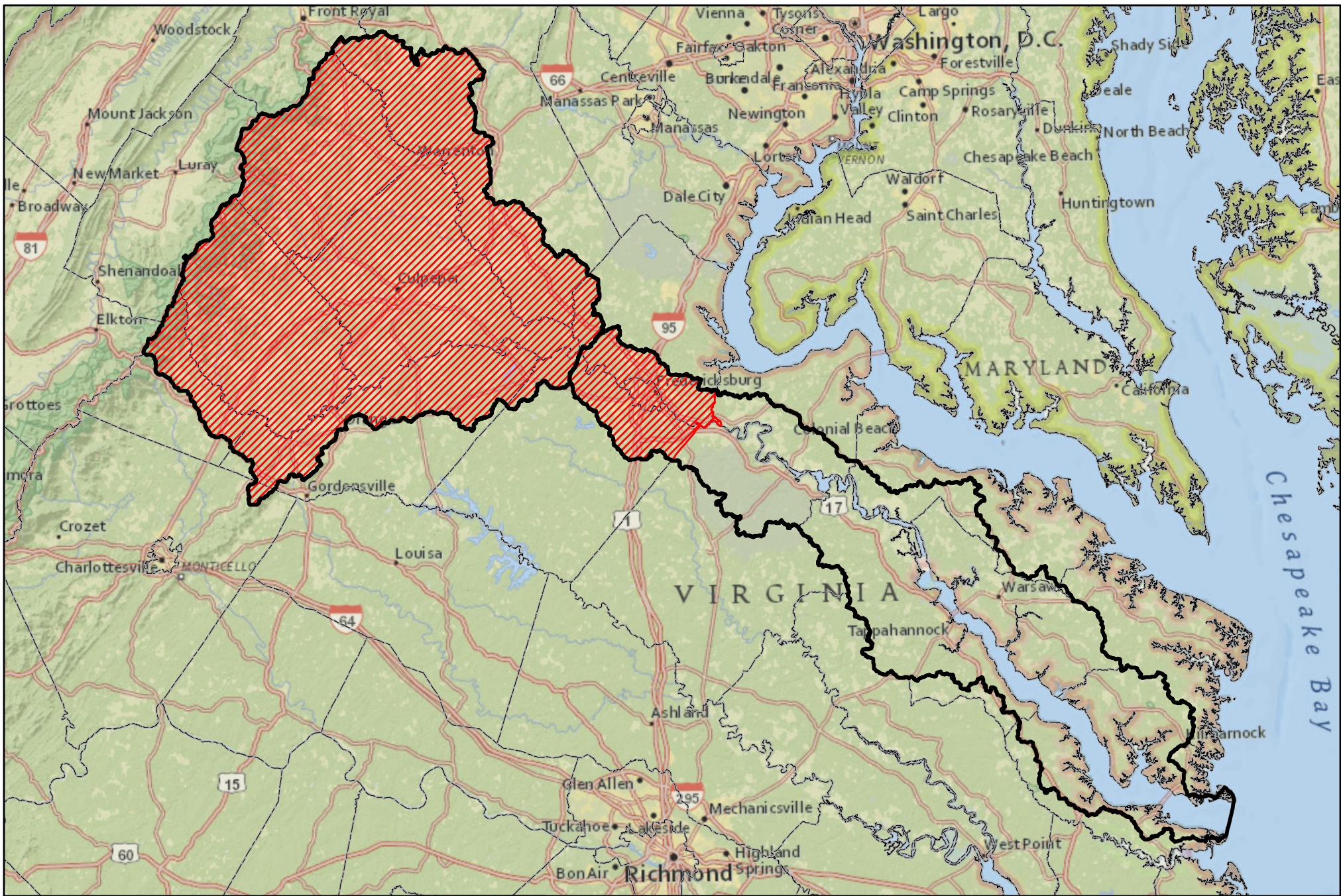
B.4. Existing Dam Map

B.5. NPEDS Location Map

B.6. Map of Impaired 303(d) Streams and Key

B.7. HUC-12 Map

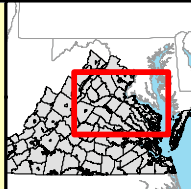
B.8. Existing and Recommended Gauge Locations



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
## Rappahannock River Basin Gauging Analysis

Location Map



0 4 8 16 Miles



-  Study Area
-  Rappahannock River Basin
-  County Boundary

Projection:  
Virginia State Plane  
North Zone - NAD 83  
U.S. Survey Feet

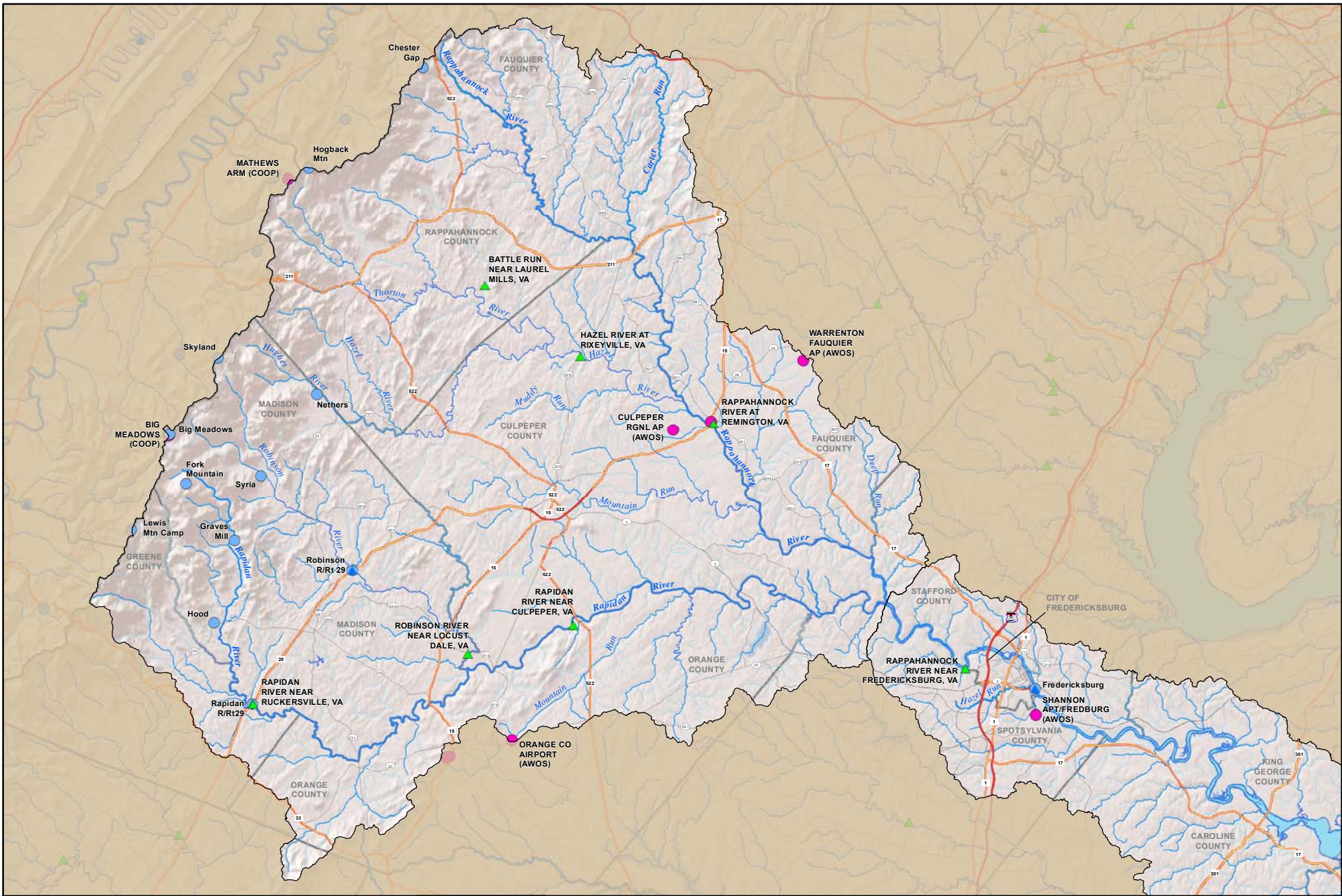
Basemap:  
Esri ArcGIS Online  
National Geographic

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Prepared by: Jason O'Neal  
Geospatial Section

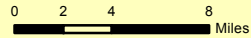
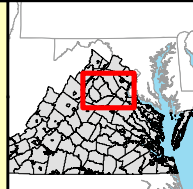
Map File: 4a\_Rap\_River\_Basin\_Overview.mxd  
Map Date: 09 January 2013



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# Rappahannock River Basin Gauging Analysis

Existing Stream and Rain Gauges



1:500,000

- Rappahannock River Basin
- NWS Rain Gauges (Rappahannock)
- IFLOWS Rain Gauge
- IFLOWS Stream Gauge
- USGS Stream Gauge (Real-time)
- County Boundary

Projection:  
Virginia State Plane  
North Zone - NAD 83  
U.S. Survey Feet


Basemap:  
Esri ArcGIS Online  
World Shaded Relief

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Geospatial Section

Map File: 1a\_Rap\_River\_Basin\_Gages\_DEQ.mxd  
Map Date: 09 January 2013

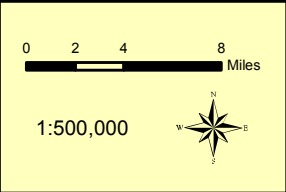







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## Rappahannock River Basin Gauging Analysis

Existing DEQ Monitoring Sites



- Chesapeake Bay Non-Tidal Stations
- Trend Station
- Any site that may have been monitored over a period of time or may have only had one sample taken since 2000 by VA DEQ.
-  Rappahannock River Basin
-  County Boundary


Projection:  
Virginia State Plane  
North Zone - NAD 83  
U.S. Survey Feet

Basemap:  
Esri ArcGIS Online  
World Shaded Relief

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Prepared by: Jason O'Neal  
Geospatial Section

Map File: 1a\_Rap\_River\_Basin\_Gages\_DEQ.mxd  
Map Date: 09 January 2013



Agency	Stream Name	Station ID	Station Location	main Station Type	Second Station Type	County	Latitude (DB)	Longitude (DB)	Latitude (DMS)	Longitude (DMS)	Frequency	Comments
DEQ	Deep Run	3-DPR001.70	Rt. 17	TR		Fauquier	38.430278	-77.629722	382549.0	-773747.0	Bimonthly CY12	Trend and TMDL follow-up
DEQ	Hazel River	3-HAZ005.98	Rt. 625	TR		Culpeper	38.578889	-77.918889	383444.0	-775508.0	Bimonthly CY12	Trend Station.
DEQ	Hazel River	3-HAZ018.29	Rt. 729	TR		Culpeper	38.598056	-78.061944	383553.0	-780343.0	Bimonthly CY12	Trend Station.
DEQ	Hughes River	3-HUE000.20	Rt. 647	TR	RB	Culpeper / Rappahannock	38.522222	-78.171667	383120.0	-781018.0	Bimonthly CY12	Trend Station.
DEQ	Mountain Run	3-MTN000.59	Rt. 620	TR		Culpeper	38.455833	-77.770833	382721.0	-774615.0	Bimonthly CY12	Trend Station.
DEQ	Mountain Run	3-MTRO03.51	Rt. 611	TR		Orange	38.353611	-77.894167	382113.0	-775339.0	Bimonthly CY12	Trend Station.
DEQ	Rapidan River	3-RAP006.53	Rt. 610	TR		Culpeper / Spotsylvania	38.359722	-77.686111	382135.0	-774110.0	Bimonthly CY12	Trend Station.
DEQ	Rapidan River	3-RAP045.08	Rt. 15 (James Madison Hwy)	TR		Madison / Orange	38.280278	-78.140278	381649.0	-780825.0	Bimonthly CY12	Trend Station.
DEQ	Rapidan River	3-RAP077.28	Rt. 662	TR		Madison	38.370556	-78.365000	382214.0	-782154.0	Bimonthly CY12	Trend Station.
DEQ	Robinson River	3-ROB017.24	Rt. 638	TR		Madison	38.411611	-78.240056	382441.8	-781424.2	Bimonthly CY12	Trend Station.
DEQ	Rappahannock River	3-RPP175.51	Rt. 647	TR		Rappahannock / Fauquier	38.756389	-78.028333	384523.0	-780142.0	Bimonthly CY12	Trend Station.
DEQ	Thornton River	3-THO006.50	Rt. 729	TR		Rappahannock	38.628056	-79.063333	383741.0	-790348.0	Bimonthly CY12	Trend Station.
DEQ	Thornton River	3-THO014.37	Rt. 622	TR	RB	Rappahannock	38.654250	-78.131111	383915.3	-780752.0	Bimonthly CY12	Trend Station / Biological -

Agency	Stream Name	Station ID	Station Location	main Station Type	Second Station Type	County	Latitude (DB)	Longitude (DB)	Latitude (DMS)	Longitude (DMS)	Frequency	Comments
DEQ	Rapidan River	3-RAP066.54	Rt. 29	CBN	TR	Madison / Green	38.279722	-78.341111	381647.0	-782028.0	Monthly	Chesbay Nontidal Station.
DEQ	Robinson River	3-ROB001.90	Rt. 614	CBN	TR	Madison	38.325000	-78.095556	381930.0	-780544.0	Monthly	Chesbay Nontidal Station.
DEQ	Rappahannock River	3-RPP147.49	Rt. 29 (James Madison Hwy)	CBN	TR	Fauquier / Culpeper	38.528889	-77.820278	383144.0	-774913.0	Monthly	Chesbay Nontidal Station.
USGS	Rapidan River	3-RAP030.21	Rt. 522	CBN		Orange	38.528889	-77.820278	383144.0	-774913.0	Monthly	Chesbay Nontidal Station.
USGS	Rappahannock River	3-RPP113.37	USGS cableway	CBN		Spotsylvania/Stafford	38.322222	-77.518056	381920.0	-773105.0	Monthly ??	Chesbay Nontidal Station.

### **B.3. VA DEQ Water Quality Monitoring Map**

#### **Monitoring Program Key\*:**

A description of the individual program codes follows:

**WATERSHED AW** The ambient watershed network of stations represents the largest single section of the monitoring program. AW stations are those that are sampled every other month for two years and then rotated to a new set of stations the following two years completing a statewide cycle in six years.

**BAY NON TIDAL PROGRAM BN** The Chesapeake Bay Program is identified in section III.E.1. of the strategy. The design of this program is through the U.S. EPA Chesapeake Bay Program Office and encompasses a multi-state water quality characterization effort. These stations represent a new component to Chesapeake Bay tributary non tidal stream network.

**CHESAPEAKE BAY CB** The design of the Chesapeake Bay Program is through the U.S. EPA Chesapeake Bay Program Office and encompasses a multi-state water quality characterization effort.

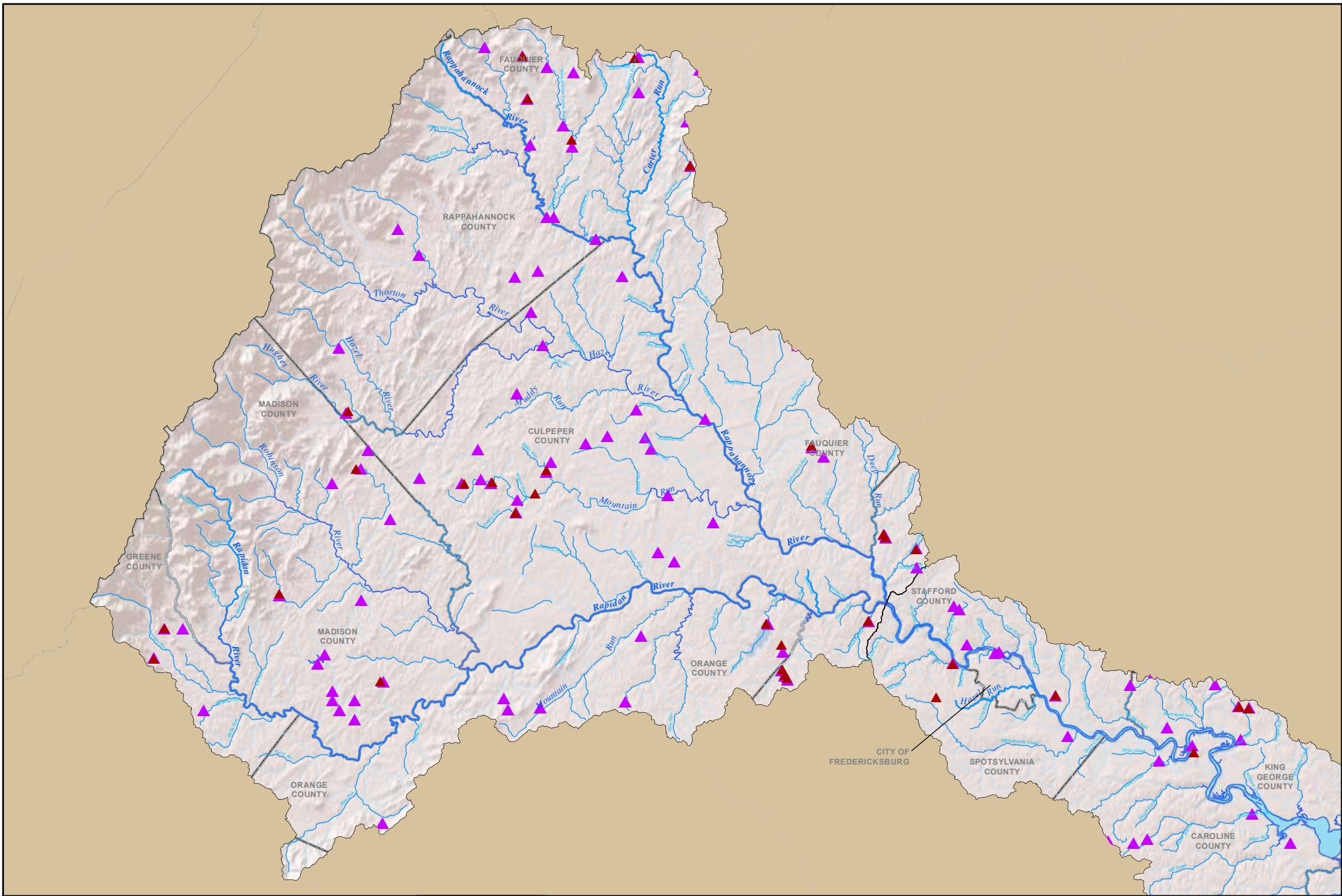
**CITIZEN MONITORING CM** Citizen monitoring are those stations in segments identified through public participation as targeted for specific monitoring. Public notification for requests from citizens to DEQ to include water quality monitoring is usually a result of problems identified by the public. Notification occurs in the fourth quarter of the calendar year with sampling scheduled to begin in the next monitoring year.


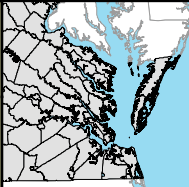
**FRESHWATER PROBABILISTIC FP** The freshwater probabilistic monitoring program covers the non-tidal free flowing waters of the state. The program is designed to answer the question of what is the overall water quality of the Commonwealth for free-flowing streams.

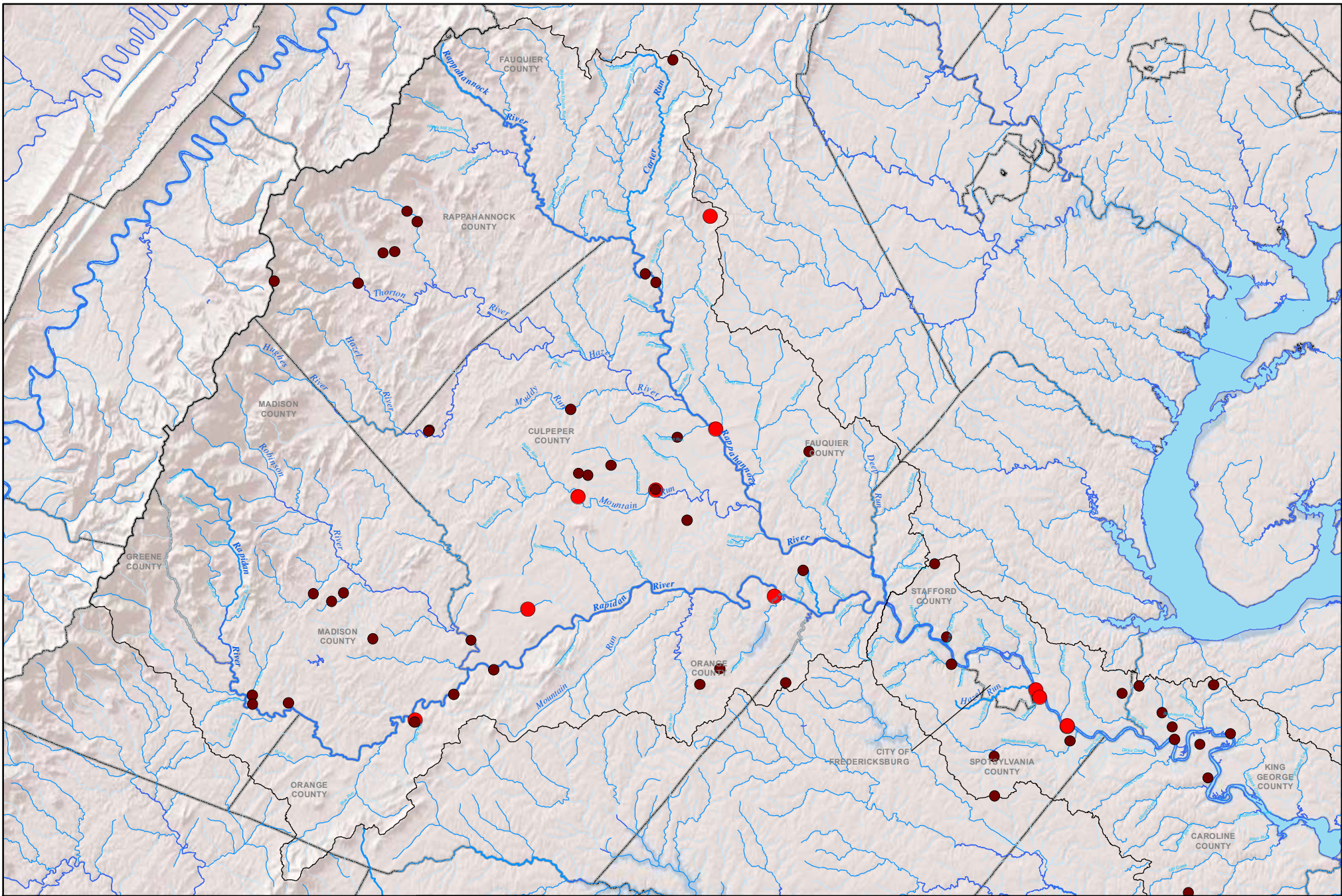
**QUALITY CONTROL QA** The quality assurance program is a component of each of the individual programs and varies in the number and types of quality control samples produced. Generally between two and ten percent of the samples collected in the field have associated quality control samples. These include field replicate samples, field blanks and standard reference material.

**TMDL TM** Total maximum daily load monitoring stations are associated with the development of a TMDL implementation plan for segments listed on the 303(d) list, which indicate the segments that need a cleanup plan.

**TREND TR** Trend stations are those long-term stations sited for permanent monitoring for the purpose of detecting short-, medium- and long-term water quality trends for a wide variety of environmentally important water quality parameters.

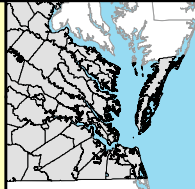


 <p>US Army Corps of Engineers Norfolk District</p>	<h3>Dam Location Map Rappahannock River Basin</h3>		<p>0 9,500 19,000 38,000 Feet</p> <p>1:500,000</p>	<h3>Legend</h3> <table border="0"> <tr> <td data-bbox="1186 1485 1249 1542"></td> <td data-bbox="1260 1485 1491 1542">DCR High and Significant Risk Dams</td> <td data-bbox="1522 1485 1585 1542"></td> <td data-bbox="1596 1485 1963 1542">USACE National Inventory of Dams (2010)</td> </tr> </table>		DCR High and Significant Risk Dams		USACE National Inventory of Dams (2010)
	DCR High and Significant Risk Dams		USACE National Inventory of Dams (2010)					



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### VPDES Location Map Rappahannock River Basin



0 9,500 19,000 38,000  
Feet

1:500,000

### Legend VPDES\_IP



Major



Minor



FID_	ID	Lat	Long_	PermitNo	Classifica	Region	Expiration	FacilityNa	LocationAd	LocationCi	LocationSt
	1	38.716667	-77.815833	VA0021172	Active	NVRO	42486	Warrenton Town Sewage Treatment Plant	731 Frost Ave	Warrenton	VA
	2	38.265833	-78.155833	VA0021385	Active	NVRO	42583	Orange Town Sewage Treatment Plant	13222 Spicers Mill Rd	Orange	VA
	3	38.686111	-78.176944	VA0022471	Active	NVRO	41862	Rappahannock County Elementary School	34 Schoolhouse Rd	Washington	VA
	4	38.38	-78.236639	VA0022845	Active	NVRO	41843	Rapidan Service Authority - Madison POTW	1033 Fishback Rd	Madison	VA
	5	37.956667	-76.676389	VA0023469	Active	PRO	42408	Haynesville Correctional Center	Barnsfield Rd	Haynesville	VA
	6	37.616111	-76.549167	VA0024066	Active	PRO	41461	Christchurch School	Route 33 E	Christchurch	VA
	7	38.66	-78.314722	VA0024449	Active	VRO	41455	Thornton Gap WWTP	3655 US Highway 211 E	Luray	VA
	8	38.288333	-77.449167	VA0025127	Active	NVRO	41199	Fredericksburg Wastewater Treatment Facility	700 Beulah Salisbury Rd	Fredericksburg	VA
	9	38.255556	-77.413889	VA0025658	Active	NVRO	43051	Massaponax Wastewater Treatment Facility	10900 Hugh Cosner Dr	Fredericksburg	VA
	10	37.915278	-76.723056	VA0026891	Active	PRO	42621	Warsaw Wastewater Treatment Plant	Route 630 and Welford Wharf Rd	Warsaw	VA
	11	38.28825	-78.111667	VA0027839	Active	NVRO	43052	Woodberry Forest School	One Walker Dr	Woodberry Forest	VA
	12	37.673056	-76.428889	VA0029343	Active	PRO	42766	The Tides Utilities LLC North WWTP	Waterview Point In	Weems	VA
	13	37.673056	-76.431389	VA0029351	Active	PRO	42121	The Tides Utilities LLC South	480 King Carter Dr	Irvington	VA
	14	38.284167	-77.350278	VA0029785	Active	NVRO	42459	Quarles Petroleum - Fredericksburg	3300 Beulah Salisbury Rd	Fredericksburg	VA
	15	38.857222	-77.856944	VA0031763	Active	NVRO	41232	Marshall Waste Water Treatment Plant	4319 Old Morgan Town Rd	Marshall	VA
	16	38.104444	-77.278056	VA0032034	Active	NVRO	42051	US Army - Fort A P Hill - Wilcox Camp	21170 Peuman Rd	Bowling Green	VA
	17	38.288056	-78.340833	VA0051144	Active	VRO	42613	Greene County WTP	Route 29, 4 miles N of Ruckersville	Ruckersville	VA
	18	38.263889	-78.156111	VA0053121	Active	NVRO	42288	Orange Town Water Treatment Plant	12996 Spicers Mill Rd	Orange	VA
	19	38.484722	-77.956944	VA0059145	Active	NVRO	42209	Culpeper Wood Preservers - Culpeper	15487 Braggs Corner Rd	Culpeper	VA
	20	38.402222	-77.5625	VA0060348	Active	NVRO	42916	Hartwood Elementary School	14 Shackelford Well Rd	Hartwood	VA
	21	38.2375	-77.2625	VA0060429	Active	NVRO	42548	Four Winds Campground Sewage Treatment Plant	State Route 615	Rappahannock Academy	VA
	22	37.616667	-76.29	VA0060569	Active	PRO	42916	Windmill Point Resort and Yacht Harbor	56 Windjammer Ln	White Stone	VA
	23	38.281389	-78.3	VA0060879	Active	NVRO	42533	Rapidan Baptist Camp and Conference Center	559 Baptist Camp Dr	Rochelle	VA
	24	38.465556	-77.968889	VA0061590	Active	NVRO	42072	Culpeper Wastewater Treatment Plant	15108 Service Ln	Culpeper	VA
	25	38.493333	-77.930833	VA0062529	Active	NVRO	41431	Ferguson Sewage Treatment Plant	intersection of Routes 15 and 29	Brandy Station	VA
	26	38.658056	-78.219167	VA0062880	Active	NVRO	42989	Sperryville Sewage Treatment Plant	3751 Sperryville Pike	Sperryville	VA
	27	37.611111	-76.508611	VA0063029	Active	PRO	41545	Mizpah Nursing Home STP	74 Mizpah Rd	Locust Hill	VA
	28	38.338611	-78.203056	VA0063347	Active	NVRO	41877	Mountain View Nursing Home	1776 Elly Rd	Aroda	VA
	29	38.684722	-78.190278	VA0064181	Active	NVRO	41898	Rappahannock County High School	12576 Lee Hwy	Washington	VA
	30	38.504444	-77.704722	VA0064726	Active	NVRO	42448	Mary Walter Elementary School	4529 Morrisville Rd	Bealeton	VA
	31	38.525556	-78.138056	VA0065358	Active	NVRO	41623	Boston Water and Sewer Company STP - Old Facility	1 mile from intersection of Routes 707 and 522	Boston	VA
	32	38.193611	-77.496667	VA0067326	Active	NVRO	41868	The Shockey Precast Group	4717 Massaponax Church Rd	Spotsylvania	VA
	33	38.281944	-77.445	VA0068110	Active	NVRO	41141	FMC Wastewater Treatment Facility	11801 Capital Ln	Fredericksburg	VA
	34	38.518056	-77.855	VA0068586	Active	NVRO	42583	Culpeper County Industrial Airpark STP	Hackney Rd at Culpeper Industrial Park	Culpeper	VA
	35	38.229167	-77.496944	VA0068934	Active	NVRO	42427	Glenwood Mobile Home Park	9755 Glenwood Dr	Fredericksburg	VA
	36	38.336944	-78.091389	VA0068951	Active	NVRO	42570	Hartland Institute	State Route 614	Rapidan	VA
	37	37.910972	-76.875139	VA0071471	Active	PRO	42978	Tappahannock Town of WWTP	400 Mill Rd	Tappahannock	VA
	38	38.085556	-76.838056	VA0072729	Active	PRO	42825	Montross Westmoreland WWTP	160 Lyells St	Montross	VA
	39	37.608333	-76.595556	VA0073318	Active	PRO	42735	HRSD Central Middlesex STP	234 Oak Landing Rd	Saluda	VA
	40	38.397778	-77.712778	VA0074381	Active	NVRO	41209	Camp Happyland	21457 Happyland Dr	Richardsville	VA
	41	38.256111	-77.413611	VA0076392	Active	NVRO	42275	Little Falls Run Wastewater Treatment Facility	952 Kings Hwy	Fredericksburg	VA
	42	38.525556	-77.811389	VA0076805	Active	NVRO	41346	Remington Wastewater Treatment Plant	12523 Lucky Hill Rd	Remington	VA
	43	38.657444	-77.878083	VA0077411	Active	NVRO	41629	Fauquier Springs Country Club STP	Rte 687 and Rte 802	Warrenton	VA
	44	38.295833	-77.831389	VA0078131	Active	NVRO	41701	Locust Grove Elementary School	31230 Constitution Hwy	Locust Grove	VA
	45	38.665	-77.890278	VA0080527	Active	NVRO	41414	Clevengers Village WWTP - new	19525 Clevengers Utility Rd	Jeffersonton	VA

Location	CountyCode	CountyName	MajorMinor	type	DesignFlow	TotalFlow	OwnerName	RiverBasin	SubBasin	ReceivingS
20186	61	Fauquier County	Major	Municipal	2.5	2.5	Warrenton, Town of	3		Great Run, UT
22960	137	Orange County	Major	Municipal	3	3	Orange, Town of	3		Rapidan River
22747	157	Rappahannock County	Minor	Municipal	0.008	0	RAPPAHANNOCK COUNTY SCHOOL BOARD	3		Rush River, UT
22727	113	Madison County	Minor	Municipal	0.08	0	Rapidan Service Authority	3		Little Dark Run
22472	159	Richmond County	Minor	Municipal	0.178	0	VA Department of Corrections	3		Marshy Swamp, UTRIB
23031	119	Middlesex County	Minor	Municipal	0.04	0.04	CHRISTCHURCH SCHOOL	3		UT Rappahannock River
22835	157	Rappahannock County	Minor	Municipal	0.015	0.015	Shenandoah National Park	3		Thornton River
22401	630	Fredericksburg City	Major	Municipal	4.5	0	City of Fredericksburg	3		Rappahannock River
22408	177	Spotsylvania County	Major	Municipal	8	9.4	Spotsylvania County - Dept of Public Utilities	3		Rappahannock River
22572	159	Richmond County	Minor	Municipal	0.3	0	Town of Warsaw	3		Totuskey Creek
22989	113	Madison County	Minor	Municipal	0.039	0.039	Woodberry Forest School	3		Rapidan River
22576	103	Lancaster County	Minor	Municipal	0.0325	0	The Tides Utilities LLC	3		Church Prong, UT
22480	103	Lancaster County	Minor	Municipal	0.0495	0	The Tides Utilities LLC	3		Carter's Creek
22408	177	Spotsylvania County	Minor	Industrial	6	3.6	Quarles Petroleum Incorporated	3		Deep Run, UT
20115	61	Fauquier County	Minor	Municipal	0.64	0.64	Fauquier County Water and Sanitation Authority	3		Carter Run, UT
22427	33	Caroline County	Minor	Municipal	0.53	0	American Water O and M Incorporated	3		Mill Creek, UT
22968	79	Greene County	Minor	Industrial	0.0256	0.0256	Rapidan Service Authority	3		Rapidan River
22960	137	Orange County	Minor	Industrial	0.14	0.2	Orange, Town of	3		Poplar Run
22701	47	Culpeper County	Minor	Industrial	0	0.06	Jefferson Homebuilders Incorporated	3		Jonas Run, UT
22406	179	Stafford County	Minor	Municipal	0.0078	0	STAFFORD CO. SCH. BOARD	3		Horsepen Run, UT
22538	33	Caroline County	Minor	Municipal	0.0375	0	The Four Winds Club, Inc.	3		Rappahannock River
22578	103	Lancaster County	Minor	Municipal	0.03	0	RL Prop 2011-1 Investments, LLC	3		Windmill Point Boat Basin
22738	113	Madison County	Minor	Municipal	0.02	0.02	Rapidan Baptist Camp and Conference Center	3		UT, Rapidan River
22701	47	Culpeper County	Major	Municipal	6	6	CULPEPER, TOWN OF	3		Mountain Run
22714	47	Culpeper County	Minor	Municipal	0.0025	0.0395	Ferguson Martha H	3		Jonas Run, UT
22740	157	Rappahannock County	Minor	Municipal	0.055	0.055	Rappahannock County Water & Sewer Authority	3		Thornton River
23092	119	Middlesex County	Minor	Municipal	0.02	0.02	Mizpah Nursing Home Incorporated	3		Rappahannock River
22709	113	Madison County	Minor	Municipal	0.015	0	Oak Grove Mennonite Church	3		Great Run, UT
22747	157	Rappahannock County	Minor	Municipal	0.005	0	Rappahannock County Public Schools	3		Covington River, UT
22712	61	Fauquier County	Minor	Municipal	0.0067	0	Fauquier County School Board	3		Harper's Run, UT
22713	47	Culpeper County	Minor	Municipal	0.015	0.015	Boston Water and Sewer Company	3		HAZEL RIVER, UT
22408	177	Spotsylvania County	Minor	Municipal	0.005	0	The Shockey Group	3		Massaponax Creek, UT
22401	630	Fredericksburg City	Major	Municipal	4	5.4	Spotsylvania County - Dept of Public Utilities	3		Rappahannock River
22701	47	Culpeper County	Minor	Municipal	0.025	0.3	Culpeper County	3		Hubbard Run
22408	630	Fredericksburg City	Minor	Municipal	0.03	0.03	Glenwood MHC Limited Liability Corporation	3		Massaponax Creek, UT
22733	113	Madison County	Minor	Municipal	0.025	0	Hartland Institute of Health & Education.	3		Robinson River
22560	57	Essex County	Minor	Municipal	0.8	0	Town of Tappahannock	3		Hoskins Creek
22520	193	Westmoreland County	Minor	Municipal	0.13	0	Westmoreland County	3		Ruin Branch, Cat Point Creek
23149	119	Middlesex County	Minor	Municipal	0.025	0	Hampton Roads Sanitation District	3		Urbanna Creek UT
22736	47	Culpeper County	Minor	Municipal	0.026	0	The Salvation Army	3		Hazel Run, UT
22405	179	Stafford County	Major	Municipal	8	13	Stafford County Board of Supervisors	3		Rappahannock River
22734	61	Fauquier County	Major	Municipal	2	2.5	Fauquier County Water and Sanitation Authority	3		Rappahannock River
20186	61	Fauquier County	Minor	Municipal	0.01	0	Sulphur Springs Investment Corporation	3		Rappahannock River
22508	137	Orange County	Minor	Municipal	0.014	0	Orange County School Board	3		Cormack Run, UT
22724	47	Culpeper County	Minor	Municipal	0.9	0.9	Culpeper County	3		Rappahannock River

46	38.296944	-77.733611	VA0081621	Active	NVRO	42057	Lake Wilderness Public Water Systems	Mortar Ln, Jackson Ford Ln, Platoon Dr, Wilderness	Spotsylvania	VA
47	37.9725	-76.749722	VA0083127	Active	PRO	42947	Wood Preservers Incorporated	15939 Historyland Hwy	Warsaw	VA
48	38.375	-77.745833	VA0083411	Active	NVRO	42599	Wilderness Wastewater Treatment Plant	36075 Wildernes Shores Way	Locust Grove	VA
49	38.486139	-77.967944	VA0085723	Active	NVRO	41454	Southern States Petroleum Cooperative - Culpeper	870 James Madison Hwy	Culpeper	VA
50	38.290556	-77.246389	VA0086720	Active	NVRO	42266	Presidential Lakes Section 14 STP	Rte 608 and Rte 609	King George	VA
51	38.290833	-77.331111	VA0086789	Active	NVRO	42926	Oakland Park Sewage Treatment Plant	French Ct	King George	VA
52	37.559722	-76.317222	VA0087173	Active	PRO	42886	Bay Marine Ltd Sewage Treatment Plant	End of State Route 636	Deltaville	VA
53	38.379167	-78.270833	VA0087319	Active	NVRO	41251	Rapidan Service Authority - Madison WTP	Route 657, .5 miles W of Route 29	Madison	VA
54	38.722222	-78.162778	VA0087581	Active	NVRO	41372	Washington Town Water Treatment Plant	Harris Hollow Rd	Washington	VA
55	37.557778	-76.313333	VA0087611	Active	PRO	41400	Norview Marina	18691 General Puller Hwy	Deltaville	VA
56	38.242167	-77.291389	VA0087645	Active	NVRO	41980	Birchwood Power Facility	10900 Birchwood Dr	King George	VA
57	38.372222	-78.250278	VA0087696	Active	NVRO	41546	Madison Wood Preservers Incorporated	216 Oak Park Dr	Madison	VA
58	38.364722	-78.026667	VA0087718	Active	NVRO	41532	DOC - Coffeewood Correctional Center	12352 Coffeewood Dr	Mitchells	VA
59	38.266667	-77.305278	VA0088374	Active	NVRO	41449	Crop Production Services Incorporated - Sealston	2453 Birchwood Creek Rd	Sealston	VA
60	38.524444	-78.138889	VA0088749	Active	NVRO	42345	Boston Water and Sewer STP - New Facility	Routes 707 and 522	Boston	VA
61	38.207222	-77.254167	VA0089125	Active	NVRO	42757	Haymount Wastewater Treatment Facility	22121 Ware Creek Road	Rappahannock Academy	VA
62	37.66	-76.441667	VA0089303	Active	PRO	41546	Ampro Shipyard	25 Shipyard Ln	Weems	VA
63	38.246667	-77.227778	VA0089338	Active	NVRO	41021	Hopyard Farm Wastewater Treatment Facility	Route 607	Popcastle	VA
64	38.543889	-77.976667	VA0089354	Active	NVRO	42758	Emerald Hill Elementary School	11245 Rixeyville Rd	Culpeper	VA
65	38.312222	-77.544444	VA0089460	Active	NVRO	42933	Motts Run Water Treatment Plant	13000 Trench Hill Ln	Fredericksburg	VA
66	38.471389	-77.880278	VA0090212	Active	NVRO	42275	Mountain Run Wastewater Treatment Plant	Greens Corner Rd	Culpeper	VA
67	38.241944	-77.410556	VA0090468	Active	NVRO	42303	Culpeper Wood Preservers - Ruffin Creek	10229 Tidewater Trl	Fredericksburg	VA
68	38.253333	-77.293889	VA0090654	Active	NVRO	42947	Greenhost Incorporated	2259 Kings Hwy	King George	VA
69	37.558611	-76.312778	VA0090921	Active	PRO	42916	Regatta Point Yacht Club	137 Neptune Ln	Deltaville	VA
70	38.28	-78.340278	VA0090948	Active	VRO	41243	Rapidan WWTP	201 Progress Pl	Ruckersville	VA
71	37.608333	-76.595556	VA0091316	Active	PRO	41944	Middlesex Courthouse	Route 33	Saluda	VA
72	38.527417	76.231083	VA0091448	Active	NVRO	41748	Old Dominion Electric Cooperative - Marsh Run	12109 Lucky Hill Rd	Remington	VA
73	37.6725	-76.398611	VA0091511	Active	PRO	42855	Rappahannock Westminster Canterbury WWTF	132 Lancaster Dr	Irvington	VA
74	38.713167	-78.151139	VA0091651	Active	NVRO	42521	Rush River Wastewater Treatment Plant	West of Rte 211 and 522	Washington	VA
75	38.31	-77.808333	VA0091961	Active	NVRO	42904	Locust Grove Town Center	32301 Constitution Hwy	Locust Grove	VA
76	38.471389	-77.880278	VA0092002	Active	NVRO	42848	Greens Corner WWTP	State Route 666 Greens Corner Rd	Culpeper	VA
77	38.310278	-78.066111	VA0092339	Active	NVRO	41836	Rapidan Mill WWTP Clean Rapidan Water Company	7026 Rapidan Rd	Orange	VA
78	38.443722	-77.844389	VA0092452	Active	NVRO	42031	Camp Red Arrow WWTP	19262 Mulford Camp Rd	Culpeper	VA
79	38.336667	-77.549722	VA0092568	Active	NVRO	42283	Rocky Pen Run Water Treatment Facility	500 Greenbank Rd	Fredericksburg	VA

22553	177	Spotsylvania County	Minor	Industrial	0.008	0.0267	Aqua Virginia Inc	3	Grant Lake, UT
22572	159	Richmond County	Minor	Industrial	1.2	0	Wood Preservers Incorporated	3	Clarks Run, UT
22508	137	Orange County	Major	Municipal	2	2	Rapidan Service Authority	3	Rapidan River
22701	47	Culpeper County	Minor	Industrial	0.144	0.0002	Culpeper Petroleum Cooperative Inc	3	Mountain Run, UT
22485	99	King George County	Minor	Municipal	0.07	0	Presidential Service Company Tier II Incorporated	3	Popcastle Creek
22485	99	King George County	Minor	Municipal	0.14	0	King George County Service Authority	3	Muddy Creek, UT
23043	119	Middlesex County	Minor	Municipal	0.007	0	Bay Marine Ltd	3	Broad Creek
22727	113	Madison County	Minor	Industrial	0.0225	0.0225	Rapidan Service Authority	3	White Oak Run, UT
22747	157	Rappahannock County	Minor	Industrial	0.0055	0.0055	Washington Town	3	Rush River
23043	119	Middlesex County	Minor	Municipal	0.02	0	Norview Acquisition LLC	3	Broad Creek
22485	99	King George County	Minor	Industrial	0	1.14	Birchwood Power Partners Limited Partnership	3	RAPPAHANNOCK RIVER
22727	113	Madison County	Minor	Industrial	0	0	Madison Wood Preservers Incorporated	3	Little Dark Run
22729	47	Culpeper County	Major	Industrial	0.2	0	Virginia Department of Corrections	3	Cabin Branch
22547	99	King George County	Minor	Industrial	1.9685	1.9685	Royster Clark Inc dba Crop Production Services	3	Birchwood Run, UT
22713	47	Culpeper County	Minor	Municipal	0.45	0	Boston Water and Sewer Company	3	Hazel River
22538	33	Caroline County	Minor	Municipal	0.58	0.96	Haymount (Fredericksburg) ASLI V LLLP	3	Rappahannock River
22576	103	Lancaster County	Minor	Industrial	0.0216	0.0216	Chesapeake Bay Fisheries	3	Carter's Creek
22485	99	King George County	Minor	Municipal	0.5	0	Hopyard Associates Limited Liability Corporation	3	Rappahannock River
22701	47	Culpeper County	Minor	Municipal	0.01	0.01	Culpeper County School Board	3	Muddy Run
22407	177	Spotsylvania County	Minor	Industrial	12	0	Spotsylvania County - Dept of Public Utilities	3	Motts Run Reservoir
22701	47	Culpeper County	Major	Municipal	0.3	2.5	Culpeper County of Board of Supervisors	3	Mountain Run
22404	177	Spotsylvania County	Minor	Industrial	0.41	0.41	Ruffin Creek Properties LLC	3	Ruffins Pond
22485	99	King George County	Minor	Industrial	0.5	1.9	Greenhost Incorporated	3	Birchwood Run, UT
23043	119	Middlesex County	Minor	Municipal	0.03	0	Dozier John C	3	Broad Creek
22968	79	Greene County	Minor	Municipal	0.6	0	Greene County Board of Supervisors	3	Rapidan River
23149	119	Middlesex County	Minor	Municipal	0.0399	0	Middlesex County	3	UT Urbanna Creek
22734	61	Fauquier County	Minor	Industrial	0	0	Old Dominion Electric Cooperative	3	Unnamed trib. to Marsh Run
22480	103	Lancaster County	Minor	Municipal	0.05	0	Rappahannock Westminster Canterbury Inc	3	Old Mill Cove, UT
22747	157	Rappahannock County	Minor	Municipal	0.06	0	Washington Town	3	Rush River
22508	137	Orange County	Minor	Municipal	0.02	0.0045	Dotson Kenneth and Lora	3	Flat Run, UT
22701	47	Culpeper County	Minor	Municipal	0.1	0.1	Culpeper County of Board of Supervisors	3	Mountain Run, UT
22960	137	Orange County	Minor	Municipal	0.02	0	Rapidan Mill Limited Liability Corporation	3	Rapidan River
22701	47	Culpeper County	Minor	Municipal	0.0055	0	Childrens Bible Ministries of Virginia Inc	3	Mountain Run, UT
22406	179	Stafford County	Minor	Industrial	6	0	Stafford County Board of Supervisors	3	Rocky Pen Run