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NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Agriculture	A04	Activity 8: Train staff and public in the development of nutrient management plans.	A04-d	Number of NM Planners trained and/or certified.	Number trained or certified	FY23	55	Active	Statewide, VDOF staff often assist with local agriculture and natural resource days, which support Meaningful Watershed Educational Experiences. In addition, the Department administers the Project Learning Tree (PLT) program for Virginia, including a network of 118 facilitators who are trained to conduct workshops. VDOF partners with Virginia Tech and Virginia Cooperative Extension to offer Beginning Woodland Owner Retreats (2 for 56 landowners with 6,803 acres) and an Advanced Woodland Owner Retreat for 31 landowners with 19,787 acres; and Woods & Wildlife Conferences (2 in 2023, reaching more than 300, with 43,052 acres). These events usually include at least one session addressing the importance of forests to water quality and overall environmental health. In conjunction with Cooperative Extension, DOF developed a "15 Minutes in the Forest" video highlighting the role forested buffers play in producing cleaner water. This video has over 1,000 views to date. DOF also provided instruction to professionals in the Chesapeake Bay Landscape Professional (CBLP) Buffer Certificate Program, reaching over 20 students. DOF presented on the benefits of buffers, agency programs, and technical assistance provided by DOF field staff to a variety of audiences at events including Environment Virginia, the York River and Small Coastal Basins Symposium, Area SWCD meetings, and Consulting Forester's meetings. Finally, presentations were given in educational settings at both the high school and college level. This includes a hands-on experience where students in an Ecology class in Augusta County were able to plant a buffer as part of their class.	https://www.dcr.virginia.gov/soil-and-water/nutgmt	9/30/2024	Periodic	DCR		B	8	A04	400	2000	1,374	68.70%	
Agriculture	A05	Encourage the implementation of agricultural BMPs and increase the reporting and verification of voluntary BMPs	A05	Number of Agricultural BMPs installed	# BMPs	FY23	1	Active	DCR continues to work on ways to better track and encourage reporting of voluntary BMPs. Since January 1, 2021, approximately \$1.8 million in tax credits have been approved by the SWCDs for producers; these practices are tracked and reported, if needed, in the same manner as BMPs implemented using VACS cost-share funds.	http://consapps.dcr.virginia.gov/htdocs/progs/BMP_query.aspx	9/30/2024	Annual	DCR	Number of BMPs installed/funded; Reported i	A, B	2	A5	1,2,4	1	5	4	80.00%
Agriculture	A06	Document the implementation of the Resource Management Program by Agricultural Producers	A06-a	Status of the Virginia RMP program Reported	Report	FY23	1	Active	The Commonwealth's Resource Management Plan (RMP) Program provides a voluntary way to promote the use of BMPs that improve water quality and agricultural operations. RMPs are designed to encourage producers to implement a high level of BMPs to reduce pollution and to increase the producer's profitability, in many instances. By participating in the Program and fully implementing an RMP, the producer is considered to be in compliance with any new state nutrient, sediment and water quality standards for a period of nine years.	https://www.dcr.virginia.gov/soil-and-water/rmp/	9/30/2024	Periodic	DCR	Reported in Chesapeake Bay and VA Waters C	C	11	A6	3,4	1	5	4	80.00%
Agriculture	A06	Document the implementation of the Resource Management Program by Agricultural Producers	A06-b	Acres of land in RMP	Acres	FY23	49,000	Active	As of June 30, 2023, 202 RMPs, including over 49,000 acres, have been certified as fully implemented. Additionally, 362 RMPs, including nearly 68,750 acres, are included in an RMP that is currently being implemented (i.e., not yet certified). The certified RMPs within the Chesapeake Bay watershed include over 48,000 acres. Nearly 60,000 additional acres within the Chesapeake Bay watershed are included in an RMP that is currently being implemented. There are nearly 6,000 acres outside of the Chesapeake Bay watershed that are certified and approximately 7,000 acres are included in an RMP that is currently being implemented.	https://www.dcr.virginia.gov/soil-and-water/rmp/	9/30/2024	Periodic	DCR	Reported in Chesapeake Bay and VA Waters C	C	11	A6	3,4	30000	150000	220,950	147.30%
Agriculture	A07	Respond to all Agricultural Stewardship Act water quality complaints	A07	Report on Virginia Agricultural Stewardship Act including # of complaints and # response/actions	Report	FY23	1	Active	The ASA program received numerous inquiries regarding possible agricultural pollution during the program year of April 1, 2022 through March 31, 2023. Forty-six of these cases became official complaints.	https://www.vdacs.virginia.gov/conservation-and-environmental-agricultural-stewardship.shtml https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	VDACS	Number of complaints, number of responses; reporting	D	12-14	A7	1,4	1	5	4	80.00%
Agriculture	A07	Activity 14: Provide programmatic outreach and education to Soil and Water Conservation Districts, farmers, and the general public.	A07-a	Educational support	Number of trainings, meetings or events.	FY23	37	Active	DCR provides technical and financial assistance to SWCDs, institutions of higher education, and individuals for NPS pollution controls. Throughout FY2023, 37 trainings were conducted for District directors and staff.	https://www.dcr.virginia.gov/soil-and-water/swcds https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DCR/VDACS	A	14	A07	4-Jan	25	125	123	98.40%	
Agriculture	A07	Activity 12: Identify water quality problems and help farmers correct them in a commonsense manner that accommodates both the farmer and the environment.	A07-b	Report on agricultural stewardship act program	Report	FY23	1	Active	The ASA program received numerous inquiries regarding possible agricultural pollution during the program year of April 1, 2022 through March 31, 2023. Forty-six of these cases became official complaints.	https://www.vdacs.virginia.gov/conservation-and-environmental-agricultural-stewardship.shtml https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	VDACS	A	12	A07		1	5	4	80.00%	
Agriculture	A08	Fund Agricultural BMPs as part of NPS Implementation Plan Projects	A08	Number of Agricultural BMPs associated with NPS Implementation Plan Projects entered into cases.	# of AG BMPs in IPs	FY23	4,369	Active	A total of 4,369 BMPs were installed in IP areas.	https://www.deq.virginia.gov/home/showpublisheddocument/4334/637462349464400000 https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Number of ag BMPs installed in IP areas, ente	A	4	A8	5	3500	17500	15,123	86.42%
Agriculture	A08	Activity 4: Provide funding and technical assistance to Virginia's 47 Soil and Water Conservation Districts to deliver technical assistance to implement cost-share program.	A08-a	Report on funding and technical assistance support to SWCDs	Report on Funding	FY23	1	Active	During the 2021 General Assembly, a base technical assistance amount of \$5.85 million was provided to Districts as part of their recurring base budget. This budget action recognized consistent funding is necessary for Districts to adequately provide technical assistance to their agricultural producers.	https://www.dcr.virginia.gov/soil-and-water/swcds https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DCR	A	4	A08	5	1	5	4	80.00%	
Agriculture	A09	Implement state policies outlined in Virginia's Phase III Watershed Implementation Plan for the Chesapeake Bay TMDL	A09	Biannual Chesapeake Bay WIP III Milestone Status Reported	Milestone Report	FY23	1	Active	On January 17, 2023, DEQ submitted Virginia's Chesapeake Bay 2022-2023 Programmatic Milestones Final Progress to EPA's Chesapeake Bay Program Office (EPA-CBPO) on behalf of the Secretary of Natural and Historic Resources. Virginia's draft 2024-2025 Programmatic Milestones and draft 2024-2025 Numeric Milestones were also submitted to EPA-CBPO at that time.	https://www.deq.virginia.gov/our-programs/water/chesapeake-bay/chesapeake-bay-nutrient-sediment-reduction-milestones https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Biannual	DCR/VDACS	Report progress every two years as part of Ch	A, B, C, D	6	A9	1-5	1	2	3	150.00%
Forestry	F01	Provide cost-share to implement forestry BMPs (assuming funds are available) (Number of Forestry BMPs installed)	F01-b	# of Forestry BMPs funded	# BMPs	FY23	63	Active	VDOF offers tree-planting grants using the Virginia Trees for Clean Water (VTCW) Program promoted through an Request for Proposals (RFP) process. The 2022 cycle allocated \$1,045,977 to 63 projects utilizing funds from the Commonwealth's Water Quality Improvement Funds (WQIF).	https://dof.virginia.gov/financial-assistance-programs/ OR https://dof.virginia.gov/water-quality-protection/community-assistance-water-quality-protection/ OR https://dof.virginia.gov/water-quality-protection/logger-assistance/forestry-best-management-practices-bmps-for-water-quality/ OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DOF	# of Forestry BMPs funded	A, B	4	F1	1, 5	1	125	192	153.60%
Forestry	F01	Provide cost-share to implement forestry BMPs (assuming funds are available) (Number of Forestry BMPs installed)	F01-a	Report on overall Forestry BMP Program	Report	FY23	1	Active	VDOF offers tree-planting grants using the Virginia Trees for Clean Water (VTCW) Program promoted through an Request for Proposals (RFP) process. The 2023 cycle allocated \$1,045,977 to 63 projects utilizing funds from the Commonwealth's Water Quality Improvement Funds (WQIF). Projects for FY23 are still in process with final reports due in June 2024. These tree-planting activities are being tracked using VDOF's "My Trees Count"	https://dof.virginia.gov/financial-assistance-programs/ OR https://dof.virginia.gov/water-quality-protection/community-assistance-water-quality-protection/ OR https://dof.virginia.gov/water-quality-protection/logger-assistance/forestry-best-management-practices-bmps-for-water-quality/	9/30/2024	Annual	DOF	Reported in Chesapeake Bay and VA Waters C	A, B	3	F1	1, 5	1	5	4	80.00%

NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Forestry	F02	Increase the establishment of riparian forest buffers through promotion of incentive programs and tracking of the acres of buffers installed	F02	Acres of Riparian Buffers Installed	Acres riparian buffers installed	FY23	1,222	Active	For Tax Year 2022, VDOF issued Riparian Forest Buffer tax credits on 63 applications covering 1,222 acres of retained forested buffers. The tax benefit to forest landowners was \$554,536.08 on timber valued at \$2,654,919.59.	https://dof.virginia.gov/urban-community-forestry/urban-forestry-community-assistance/plant-urban-riparian-forest-buffers/ OR https://dof.virginia.gov/water-quality-protection/water-quality-protection-landowner-assistance/plant-riparian-forest-buffers/ OR https://dof.virginia.gov/water-quality-protection/water-quality-protection-landowner-assistance/riparian-forest-buffer-tax-credit/	9/30/2024	Periodic	DOF	Reported in Chesapeake Bay and VA Waters C	C	9	F2	1, 4, 5	1	3750	4,121	109.89%
Forestry	F03	Permanently conserved forestland through permanent conservation easements of acquisition; report of acres of conservation easements	F03	Acres forests protected by easement	Acres Easement	FY23	94,000	Active	VDOF administers a conservation easement program to assure a sustainable forest resource. Because larger blocks of forest potentially provide the greatest range of functions and values, VDOF easements focus on keeping the forest land base intact and unfragmented as well as keeping the forest in larger, more manageable, and functional acreages. VDOF holds 205 conservation easements in 63 counties and the City of Suffolk permanently protects over 94,000 acres of vital forest and farmland. Of these, 121 easements consisting of 33,959 acres lie within the Chesapeake Bay watershed.	https://dof.virginia.gov/forest-management-health/forestland-conservation/landowner-conservation-financial-assistant-programs/ OR https://deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DOF	Reported in Chesapeake Bay and VA Waters C	D	8	F3	1, 3	80000	80000	94000	117.50%
Forestry	F04	Implement state policies outlined in Virginia's Phase III Watershed Implementation Plan for the Chesapeake Bay TMDL	F04	Biannual Chesapeake Bay WIP III Milestone Status Reported	Milestone Report	FY23	1	Active	A watershed action system has been in place since 1993 to track trends in BMP implementation and effectiveness. The entire BMP Implementation Monitoring effort has also been automated to be compatible with VDOF's IFRIS (Integrated Forest Resource Information System) enterprise database system. The information compiled serves as the basis for VDOF reporting under Virginia's WIP. In calendar year 2022, 97.7 percent of the timber harvest acres in Virginia conducted within the boundaries of the Bay watershed were under BMPs, and 96.8 percent of the timber harvest acres statewide were under BMPs. The audit also showed three (1.25%) of the sites visited had any signs of active sedimentation present after the closure of the harvesting operation. The BMP goal for WIP III is to achieve a 95 percent implementation rate by 2025. On August 5th, 2022, DEQ submitted Virginia's Chesapeake Bay 2022-2023 Programmatic Milestones Final Progress to EPA's Chesapeake Bay Program Office (EPA-CBPO) on behalf of the Secretary of Natural Resources.	https://dof.virginia.gov/urban-community-forestry/ OR https://dof.virginia.gov/water-quality-protection/learn-about-water-quality-protection/chesapeake-bay-watershed-and-virginia/ OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://dof.virginia.gov/water-quality-protection/ OR https://dof.virginia.gov/urban-community-forestry/	9/30/2024	Biannual	DOF	Report progress every two years as part of Ch A-D	A-D	3-7, 10-1	F4	1-5	0	2	4	200.00%
Onsite Sewage	S01	Work with local governments and recipients of DEQ funding to capture and report the number of residential septic systems addressed through grant projects completed throughout Virginia.	S01	Number of Septic BMPs funded	# BMPs	FY23	375	Active	During FY2023, a total of \$895,365 in state and federal funding combined with landowner contributions were expended to install 375 septic BMPs.	https://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/ OR https://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/division-of-onsite-sewage-water-services-environmental-engineering-and-marina-programs/ OR https://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/gmps-policy-product-approvals/ OR https://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/regulations-and-current-regulatory-activity/ OR https://www.vdh.virginia.gov/environmental-health/onsite-sewage-water-services-updated/organizations/ OR https://www.vdh.virginia.gov/environmental-health/swap/	9/30/2024	Annual	DEQ	# of Septic System BMPs (BMPs funded by 311)	C, D	3-5	S1	1, 2, 3, 4	400	2000	1,520	76.00%
Onsite Sewage	S02	Implement state policies outlined in Virginia's Phase III Watershed Implementation Plan for the Chesapeake Bay TMDL	S02	Biannual Chesapeake Bay WIP III Milestone Status Reported	Milestone Report	FY23	1	Active	Across the state, there are approximately 1.1 million onsite sewage systems including approximately 32,000 alternative onsite sewage systems (AOSS). Roughly 550,000 of the total onsite sewage systems in Virginia are located in the Chesapeake Bay watershed. VDH has been involved with a variety of legislative initiatives aimed at decreasing pollution from onsite sewage systems across the Commonwealth.	https://www.deq.virginia.gov/our-programs/water/chesapeake-bay/chesapeake-bay-nutrient-sediment-reduction-milestones OR https://www.deq.virginia.gov/our-programs/water/chesapeake-bay/phase-iii-wip	9/30/2024	Biannual	VDH	Report progress every two years as part of Ch A, B	A, B	1,2,5,6	S2	1-4	0	2	2	100.00%
Onsite Sewage	S03	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorous (P), tons of sediment (S), and colony forming units of bacteria (B).	S03-a	Report on the status of the 319-funded BMP program	Report	FY23	1	Active	These programs made available funds for grantees to provide technical services to implement on-the-ground septic BMP projects. In addition, during FY2023, a total of \$895,365 in state and federal funding combined with landowner contributions were expended to install 375 septic BMPs	https://www.deq.virginia.gov/home/showpublisheddocument/4334/637462334964400000 https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	VDH/DC R/DEQ	Annually report 319-funded data into GRTS	C	3	S3	1, 3	1	5	4	80.00%
Onsite Sewage	S03	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorous (P), tons of sediment (S), and colony forming units of bacteria (B).	S03-b	Pounds of Nitrogen reduced as result of 319-funded activity as reported in GRTS	N Lbs./yr.	FY23	2,866	Active	This resulted in the removal of 2,866 pounds of nitrogen and 4.76E+12 CFU of bacteria (Table 2.25).	https://www.deq.virginia.gov/home/showpublisheddocument/4334/637462334964400000 https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	VDH/DC R/DEQ	Annually report 319-funded data into GRTS	C	3	S3	1, 3	4500	22500	14,736	65.49%
Onsite Sewage	S03	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorous (P), tons of sediment (S), and colony forming units of bacteria (B).	S03-c	Bacteria pollution reductions as reported in GRTS'	B CFU	FY23	4.76E+12	Active	This resulted in the removal of 2,866 pounds of nitrogen and 4.76E+12 CFU of bacteria (Table 2.25).	https://www.deq.virginia.gov/home/showpublisheddocument/4334/637462334964400000 https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	VDH/DC R/DEQ	Annually report 319-funded data into GRTS	C	3	S3	1, 3	5.50E+12	2.8E+13	2.41E+13	87.78%
Resource Extraction	M01	Document and report reclamation of active, orphaned, or abandoned mine sites.	M01-a	Report on Orphaned and Abandoned Mine Land Program	Report	FY23	1	Active	The Virginia Energy (formerly Department of Mines Minerals and Energy) NPS Programs continue to address the identification, management, and reclamation of abandoned sites that may contribute NPS pollution to waterways. The Mined Land Repurposing Program oversees the Abandoned Mine Land Program, which assists with the reclamation of abandoned coal mines. The Mineral Mining Program manages the Orphaned Land Program to address abandoned mineral mined lands.	https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/AMML.shtml OR https://energy.virginia.gov/Or https://energy.virginia.gov/mineral-mining/HistoricMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineland/	9/30/2024	Annual	VDE	# of sites reclaimed and type of reclamation	A, D	1-4,6,9	M1	1, 3	1	5	4	80.00%
Resource Extraction	M01	Document and report reclamation of active, orphaned, or abandoned mine sites.	M01-b	# of OML reclamation sites	# sites reclaimed	FY23	16	Active	The Abandoned and Orphaned Mine Land Programs have expended a cumulative \$1,716,868 from the interest on the Minerals Reclamation Fund and AML sources to prioritize and remediate sites across Virginia posing environmental and safety hazards. A total of 16 sites were remediated between July 1, 2022 and June 30, 2023.	https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/webmaps/MineralMining/	9/30/2024	Periodic	VDE	# of sites reclaimed and type of reclamation	A, D	1-4,6,9	M1	1, 3	40	200	182	91.00%
Resource Extraction	M01	Document and report reclamation of active, orphaned, or abandoned mine sites.	M01-c	Type of reclamation sites	type OML reclamation	FY23	16	Active	The Abandoned and Orphaned Mine Land Programs have expended a cumulative \$1,716,868 from the interest on the Minerals Reclamation Fund and AML sources to prioritize and remediate sites across Virginia posing environmental and safety hazards. A total of 16 sites were remediated between July 1, 2022 and June 30, 2023.	https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/webmaps/abandonedmineland/	9/30/2024	Periodic	VDE	# of sites reclaimed and type of reclamation	A, D	1-4,6,9	M1	1, 3	4	20	49	245.00%
Resource Extraction	M02	Reduce water quality impacts associated with resource extraction activities by proper site planning and BMP implementation and prioritization of areas for reclamation activities.	M02	Number of WQ related plans/reviews conducted	# Plans or reviews	FY23	195	Active	Between July 1, 2022 and June 30, 2023, Mined Land Repurposing Program's Water Quality Section performed 195 water-quality-related plan reviews.	https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/AMML.shtml OR https://energy.virginia.gov/Or https://energy.virginia.gov/mineral-mining/HistoricMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineland/	9/30/2024	Periodic	VDE	Number of plans or reviews that addressed wa	A, B	1-4,6	M2	1	400	2000	1,272	63.60%

NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Resource Extraction	M03	Inventory, monitor, and report areas contributing significant sediment and mine water discharges to waterbodies and consider pollution as part of the selection process for determining which sites will be reclaimed.	M03	Number of Orphaned Mine Lands inventoried	# OML sites	FY23	3,249	Active	As of June 30, 2023, 3,249 orphaned mineral mined sites have been inventoried in 587 (47%) of Virginia's 1,247 hydrologic units (HUC). Of the inventoried sites (* as of 06/30/23): •1,264 sites were identified as safety hazards. •331 sites were identified as environmental hazards. •161 sites were identified as both safety and environmental hazards. In addition to reclamation activities, pollutant reductions are achieved through the agency's BMPs and offset approach to TMDL implementation in its joint mining and discharge permitting processes.	https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/JAMML.shtml OR https://energy.virginia.gov/mineral-mining/HistoryMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineand/ https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/JAMML.shtml OR https://energy.virginia.gov/mineral-mining/HistoryMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineand/	9/30/2024	Annual	VDE	Report # of orphaned mined land (OML) sites	C, D	7,10	M3	1, 3, 5	1	3204	3,249	101.40%
Resource Extraction	M04	VDE investigates reported occurrences of environmental pollution including NPS pollution and, when appropriate, takes jurisdictional action to eliminate, abate, or prevent water resource degradation.	M04	Number of investigations conducted	# Investigations or complaints	FY23	718	Active	Virginia Energy's program goals include: the reduction of NPS pollution on abandoned mined land; development of water quality goals in prioritization of areas for reclamation activities; enhanced coordination between DEQ and Virginia Energy to collect and report BMPs installed on active mine sites, as well as reclamation of active and abandoned mines; and documentation and reporting of reclamation of active and abandoned mine sites. In calendar year 2023, Mineral Mining conducted 700 reclamation inspections and 18 complaint investigations.	https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/JAMML.shtml OR https://energy.virginia.gov/mineral-mining/HistoryMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineand/	9/30/2024	Periodic	VDE	Number of investigations of environmental pollution	C, b	8	M4	2, 4	200	1000	9,948	994.80%
Resource Extraction	M05	Enhance coordination between DEQ and VDE to collect and report data on BMPs installed on active mine sites as well as reclamation of active, abandoned, and orphaned mines.	M05	Number of Meetings and Events held	# Meetings and events	FY23	2	Active	DEQ participates annually in the Virginia Orphaned Lands Advisory Committee (OLAC) coordinated by Virginia Energy. Virginia Energy collaborates with DEQ on NPS Annual Reports and reports BMPs in DEQ's BMP Warehouse.	https://energy.virginia.gov/mineral-mining/mineralmining.shtml OR https://energy.virginia.gov/public/laws-and-regulations.shtml OR https://energy.virginia.gov/public/mapping-center.shtml OR https://energy.virginia.gov/mineral-mining/JAMML.shtml OR https://energy.virginia.gov/mineral-mining/HistoryMining.shtml OR https://energy.virginia.gov/webmaps/MineralMining/ OR https://energy.virginia.gov/coal/mined-land-repurposing/mined-land-repurposing.shtml OR https://energy.virginia.gov/coal/mined-land-repurposing/Abandoned-Mine-Land.shtml OR https://energy.virginia.gov/webmaps/abandonedmineand/	9/30/2024	Annual	VDE/DEQ	Number of meetings or initiatives	A	5	M5	3, 4	2	10	9	90.00%
Resource Protection	P01	Implement Healthy Waters Program, partially through 319 Funds	P01	Report on the Healthy Waters Program	Report	FY23	1	Active	DEQ has provided significant data and funding from Section 319(h), CBIG, and NOAA CZM to support the Program and broaden its applicability through ongoing partnerships with VDOF, NGOs, and the private sector.	https://www.deq.virginia.gov/natural-heritage/healthywaters OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR	Report progress annually as part of 319 annual A	A	1	P1	1, 3, 4	1	5	4	80.00%
Resource Protection	P02	Implement Chesapeake Bay Preservation Act and Coastal Zone Management Programs	P02-a	Report on the Chesapeake Bay Preservation Act Program	Report	FY23	1	Active	Chesapeake Bay Preservation Act (CBPA) compliance reviews continued to be conducted for the Tidewater localities subject to the CBPA. DEQ, Local Government Assistance Program staff are striving for all 84 CBPA localities to be in the position of completing the periodic compliance reviews every five years. Table 2.3.1 includes a summary of compliance review status for CBPA localities and reported implementation based on the 2022 annual report cycle (January 1, 2022 – December 31, 2022).	https://www.deq.virginia.gov/our-programs/water/chesapeake-bay/chesapeake-bay-preservation-act OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Report progress annually as part of Virginia's B	B	2	P2	1	1	5	4	80.00%
Resource Protection	P02	Implement Chesapeake Bay Preservation Act and Coastal Zone Management Programs	P02-b	Report on the Coastal Zone Management Program	Report	FY23	1	Active	Section 309 of the Coastal Zone Management Act (CZMA) provides funds from the National Oceanic & Atmospheric Administration (NOAA)'s Office for Coastal Management (OCM) to implement federally approved CZM Programs related to non-point source issues. Efforts include assessments of water quality as well as resiliency (Section 306) or for land acquisition, low-cost construction of public access facilities, or habitat restoration (Section 306A). Section 309 of the CZMA is known as the Coastal Zone Enhancement Program and provides NOAA-OCM funds for the development of new enforceable policies, which may include additional actions to protect coastal resources.	https://www.deq.virginia.gov/our-programs/coastal-zone-management OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Report progress annually as part of Virginia's B	B	2	P2	1	1	5	4	80.00%
Resource Protection	P03	The Source Water Protection strategy improve its education and, empowerment, and financing initiatives through its various programs and partnerships.	P03	Number of Meetings held to address the Source Water Protection Strategy	Meetings	FY23	1	Active	As part of the Source Water Protection Program, The Office of Drinking Water at VDH has undergone several projects related to surface water protection. VDH received a grant providing for the town of Purcellville's project to fence five wells and to partially fund Middleburg's design, construction and contingency plans. VDH is also participating in the Executive Committee for the Occoquan Sewershed (ECOS) with Virginia Tech. This is a research project focused on developing solutions to freshwater salinization in the Occoquan Sewershed. The project is designed with regular interactions between the project team and stakeholders to ensure that the design and interpretation of findings are grounded in real world conditions and provide information that is relevant to management decisions in practice. One goal of the assistance program is to spread source water awareness and educate waterworks and communities on measures they can implement to protect their water sources. ODW's contractors, Tetra Tech and CHA, interacted with a total of 38 waterworks. The interactions included updating Sourcewater Protection Plans (SWPPs), coordinating with systems with draft SWPPs, conducting implementation assistance and completing the annual substantial implementation survey.	https://www.vdh.virginia.gov/drinking-water/source-water-programs/ OR https://www.deq.virginia.gov/our-programs/water/water-quantity/water-supply-planning OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	VDH	Hold at least one meeting or educational event	D	4	P3	1, 4	1	3	4	133.33%
Resource Protection	P04	Implement portions of the Coastal Nonpoint Source program through initiatives identified by the Virginia Coastal Zone Management Program 5-year strategy	P04	Report on Progress of the Virginia Coastal Nonpoint Source Program	Report	FY23	1	Active	During the current reporting period (July 1, 2022 – June 30, 2023), projects associated with the current (FY2021-2025) Section 309 Strategies included continuing initiatives to implement the Virginia Marine Debris Reduction Plan to better align with the NOAA Mid-Atlantic Marine Debris Action Plan under the FY2021-2025 Marine Debris Strategy and to address issues identified under the FY2021-2025 Coastal Hazards Strategy. Section 306/306A efforts during the same reporting period included regional resiliency efforts and planning habitat restoration efforts. One (1) FY2019 habitat restoration effort (Task 9 - lower York River oyster reef restoration) was completed in February of 2023.	https://www.deq.virginia.gov/our-programs/coastal-zone-management OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Report progress annually as part of Virginia's C	C	3	P4	1	1	5	4	80.00%
Urban & Developed Lands	U01	Implement state policies outlined in Virginia's Phase III Watershed Implementation Plan for the Chesapeake Bay TMDL	U01	Biannual Chesapeake Bay WIP III Milestone Status Reported	Milestone Report	FY23	1	Active	The Virginia Conservation Assistance Program (VCAP) is administered by the Virginia Association of SWDCs. Districts with qualified, trained, and experienced staff implement the voluntary stormwater BMPs and cost-share program for public, private, and nonprofit landowners. Recognizing the importance of this Program, the Virginia General Assembly has provided \$2.5 million in state funding for FY2020–2022. The fund was established to assist the Commonwealth in meeting its reduction targets for urban and residential areas as established in the Chesapeake Bay TMDL including localities with Municipal Separate Storm Sewer Systems (MS4). VCAP provides cost-share and technical assistance to address natural resource and stormwater concerns by assisting in the voluntary installation of certain BMPs on land for which there is no other cost-share program assistance available. VCAP is also intended to retrofit existing infrastructure.	https://www.deq.virginia.gov/our-programs/water/chesapeake-bay/chesapeake-bay-nutrient-sediment-reduction-milestones	9/30/2024	Biannual	VDH/DEQ/VCE/SWCD	Report progress every two years as part of Ch	A, B	1-4	U1	1-5	0	2	4	200.00%
Water Planning	W00	Update the NPS Pollution Management Plan on a five-year cycle.	W00	Update the NPS Pollution Management Plan on a five-year cycle.	Plan Update	FY23		Active	The 2019 Plan, approved in Spring 2020, does not expire until 2024. The next version of the management plan will start in Q1 2024. However, DEQ has met with partner agencies to kick off the discussion of plan development for 2024.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Once	DEQ	Update by 9/30/2024	D	12	W0	1-5	0	1	0	0.00%

NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Water Planning	W01	Develop a new prioritization schedule (Vision) for TMDL Development for 2023-2028	W01	Develop a new prioritization schedule (Vision) for TMDL Development for 2023-2028	List	FY23	1	Active	DEQ is implementing the second cycle of the 303(d) Vision (aka "2022 Vision") finalized in September 2022 and effective through 2032. The 2022 Vision asks states, territories, and tribes to develop a long-term Prioritization Framework outlining water quality goals through 2032. It also calls for states, territories, and tribes to provide shorter-term commitments for TMDL or Advance Restoration Plan (ARP) development every two years in conjunction with the Integrated Report cycle from 2024-2032. In preparation for the 2022 Vision, DEQ sought public input in September 2020 to inform the process of identifying types of water quality impairments and other strategic measures that may be considered for the 2022 Vision. DEQ is currently developing the Prioritization Framework as well as the two-year commitments for the 2025-2026 period, both of which will be included in the 2024 Integrated Report and related public process. While EPA was finalizing the 2022 Vision, each state was asked to develop two-year commitments for TMDL or ARP development for the 2023-2024 period. This list of two-year commitments was included in the 2022 Integrated Report that included the solicitation of public comment in June 2022 and that was approved by EPA. The final list of 2023-2024 commitments can be found on VA DEQ's TMDL Development website.	https://www.deq.virginia.gov/our-programs/water/water-quality/tmdl-development	9/30/2024	Once	DEQ	EPA-approved list of TMDL priorities by January 2023	A	2-4	W1	2	0	1	1	100.00%
Water Planning	W02	Develop and implement a 6-year prioritization process for IP development (~3 IPs annually addressing an average of 4 impaired waterbody segments per IP, depending on resources).	W02-a	Develop 6 year Prioritization for IP Development	list	FY23	0	Active	As funding limitations have continued over the years, it has become increasingly important to evolve the implementation planning program. DEQ is continuing to evaluate the prioritization methods of developing implementation plans, as well as how these plans are written. Several strategies are being looked at to increase efficiencies in the development of IPs. This includes increasing efforts to pursue the production of joint TMDL-IP reports (i.e., where an IP is developed alongside each TMDL), exploring TMDL alternatives, evaluating larger watershed areas, pursuing more watershed-based plans, and simplifying modeling efforts. These efforts have allowed the implementation planning program to seek new opportunities to perform more development work in-house. Sediment/benthic impairments were prioritized in FY2021 in the development of implementation plans following suit to FY2021 TMDL priorities. Bacteria impairments continue to be the most common pollutant to Virginia waterbodies and are addressed through many already approved IP development plans since 2001.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation	9/30/2024	Once	DEQ	1 st IP priority list complete by 2020, 2022 and 2023	B	5-6	W2	1,2,4	1	3	1	33.33%
Water Planning	W02	Develop and implement a 6-year prioritization process for IP development (~3 IPs annually addressing an average of 4 impaired waterbody segments per IP, depending on resources).	W02-b	Develop 3 IPs annually	IPs	FY23	1	Active	In FY2023, DEQ and partners finalized 1 IP covering 9 impairments. Two IPs covering 16 impairments were under development at the end of the fiscal year. Since 2001, Virginia has approved 84 IPs addressing 551 impairments. Figure 2.2 summarizes IP development since 2001. Figure 2.3 illustrates the locations of the 84 EPA approved IPs as well as the 2 IPs currently under review by EPA that are not yet approved.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation	9/30/2024	Annual	DEQ	1 st IP priority list complete by 2020, 2022 and 2023	B	5-6	W2	1,2,4	3	15	7	46.67%
Water Planning	W02	Develop and implement a 6-year prioritization process for IP development (~3 IPs annually addressing an average of 4 impaired waterbody segments per IP, depending on resources).	W02-c	Annually address 12 impaired waterbody segments with IP development	Segments	FY23	9	Active	In FY2023, DEQ and partners finalized 1 IP covering 9 impairments. Two IPs covering 16 impairments were under development at the end of the fiscal year. Since 2001, Virginia has approved 84 IPs addressing 551 impairments. Figure 2.2 summarizes IP development since 2001. Figure 2.3 illustrates the locations of the 84 EPA approved IPs as well as the 2 IPs currently under review by EPA that are not yet approved.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	1 st IP priority list complete by 2020, 2022 and 2023	B	5-6	W2	1,2,4	12	60	72	120.00%
Water Planning	W03	Every 2 years, issue Request for Applications for implementation projects (5-10 new projects every 2 years, and 15-20 active projects annually (from overlapping EPA awards), depending on resources)	W03-a	Issue 3 Request for Applications over the course of 5 years	RFA	FY23	1	Active	Requests for Applications (RFA) are issued annually to identify candidates for Section 319(h) funding. The 2023 RFA was issued on April 22, 2022 and closed August 31, 2022; applications for three new project areas were received requesting a total of over \$650,000 and providing over \$630,000 of match. All three projects were granted a total of over \$650,000 of 319(h) funding to start projects in 2023. The results of this RFA were used to develop Virginia's application for 2024 funding. The results of the 84 EPA approved IPs as well as the 2 IPs currently under review by EPA that are not yet approved.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/funding-grant-and-project-resources	9/30/2024	Periodic	DEQ	RFA's expected 2019, 2021, 2023; report on nC	C	7	W3	1,2,5	0	3	5	166.67%
Water Planning	W03	Every 2 years, issue Request for Applications for implementation projects (5-10 new projects every 2 years, and 15-20 active projects annually (from overlapping EPA awards), depending on resources)	W03-b	Report the number of active projects (15-20) annually from all 319 funding	# active projects	FY23	29	Active	The NPS Management Plan has a goal to provide 319(h) funding for active implementation projects in 38 of the approved IP areas between 2020-2024 and to have by 2024 some level of implementation funded with state and 319(h) funding in 73 IPs. During FY2023, DEQ has approached 87% (33/38) of the goal to provide 319(h) funding for projects in approved IP areas. Virginia has also exceeded the 2001-2024 goal of having some level of implementation in 73 IPs, a total of 92 IPs have had some sort of implementation within them.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/funding-grant-and-project-resources	9/30/2024	Annual	DEQ	RFA's expected 2019, 2021, 2023; report on nC	C	7	W3	1,2,5	10	50	29	58.00%
Water Planning	W03	Every 2 years, issue Request for Applications for implementation projects (5-10 new projects every 2 years, and 15-20 active projects annually (from overlapping EPA awards), depending on resources)	W03-c	Develop and implement 2-5 new implementation projects every year	# new projects	FY23	3	Active	Requests for Applications (RFA) are issued annually to identify candidates for Section 319(h) funding. The 2023 RFA was issued on April 22, 2022 and closed August 31, 2022; applications for three new project areas were received requesting a total of over \$650,000 and providing over \$630,000 of match. All three projects were granted a total of over \$650,000 of 319(h) funding to start projects in 2023.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/funding-grant-and-project-resources	9/30/2024	Annual	DEQ	RFA's expected 2019, 2021, 2023; report on nC	C	7	W3	1,2,5	2	10	13	130.00%
Water Planning	W04	At least every 2 years update DEQ TMDL BMP Cost-share Guidelines. Align issuance with release of RFA grant awards.	W04	At least every 2 years update DEQ TMDL BMP Cost-share Guidelines. Align issuance with release of RFA grant awards.	Guidelines	FY23	0	Active	NPS BMP Guidelines and associated BMP specifications to be updated in July 2024	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/funding-grant-and-project-resources	9/30/2024	Periodic	DEQ	Guidelines issued 2019, 2021, 2023	C	8	W4	1,2,5	0	3	3	100.00%
Water Planning	W05	Continue improving DEQ Nonpoint Source BMP Database (BMP Warehouse).	W05	Continue improving DEQ Nonpoint Source BMP Database (BMP Warehouse).	# Updates	FY23	1	Active	In fall of 2019, DEQ contracted for the development of a requirements document that would create the methodology and plan to address any system issues and updates related to the BMP Warehouse and various modules within DEQ's Comprehensive Environmental Data System, CEDS (including Water Quality Assessment, TMDL, and TMDL IP modules), as well as for the creation of the Section 319(h) grant program management module. In early 2020, DEQ contracted to make substantial edits to several existing modules within CEDS, as well as edits to the BMP Warehouse. Development of user interface components will address a variety of functionality requirements. By December 2020, 100% percent of the 15 individual updates were completed. These integrated the Water Quality Assessment, TMDL, and TMDL IP modules related to tracking impairments and assessment units. The TMDL IP module and the BMP Warehouse were also updated to better assist in the tracking of BMPs related to implementation efforts. On-going efforts to continue to improve implementation tracking continues.	https://www.deq.virginia.gov/our-programs/water/water-quality/implementation OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DEQ	Update at least once before 2024	C	11	W5	3	1	5	4	80.00%
Water Planning	W06	Continue enhancing DEQ's Comprehensive Environmental Data System (CEDS) to integrate Implementation Plan data.	W06	Continue enhancing DEQ's Comprehensive Environmental Data System (CEDS) to integrate Implementation Plan data.	# Updates	FY23	1	Active	In fall of 2019, DEQ contracted for the development of a requirements document that would create the methodology and plan to address any system issues and updates related to the BMP Warehouse and various modules within DEQ's Comprehensive Environmental Data System, CEDS (including Water Quality Assessment, TMDL, and TMDL IP modules), as well as for the creation of the Section 319(h) grant program management module. In early 2020, DEQ contracted to make substantial edits to several existing modules within CEDS, as well as edits to the BMP Warehouse. Development of user interface components will address a variety of functionality requirements. By December 2020, 100% percent of the 15 individual updates were completed. These integrated the Water Quality Assessment, TMDL, and TMDL IP modules related to tracking impairments and assessment units. The TMDL IP module and the BMP Warehouse were also updated to better assist in the tracking of BMPs related to implementation efforts. On-going efforts to continue to improve implementation tracking continues.	https://www.deq.virginia.gov/water/water-quality/implementation/tmdl-implementation-projects OR https://www.deq.virginia.gov/water/water-quality/nonpoint-source-management/funding-grant-and-project-resources OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Periodic	DEQ	Update IP CEDS at least once before 2024	C	11	W6	3	1	5	500.00%	

NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Water Planning	W07	Complete Nonpoint Source Assessment chapters for the 2020, 2022, and 2024 Integrated 303(d) 305(b) reports.	W07	Complete Nonpoint Source Assessment chapters for the 2020, 2022, and 2024 Integrated 303(d) 305(b) reports.	Report	FY23	0	Active	The 2022 305(b)/303(d) Water Quality Assessment Integrated Report (IR), approved by EPA in October 2022, includes chapter 5 "Nonpoint Source Assessment." This report assesses data and information through December 31, 2020.	https://www.deq.virginia.gov/our-programs/water/water-quality/	9/30/2024	Periodic	DEQ/DCR	Report 2020, 2022, 2024	A	1	W7	1-3	1	3	2	66.67%
Water Planning	W08	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorus (P), tons of sediment (S), and colony forming units of bacteria (B).	W08-a	Annually report PR data in GRTS	GRTS Report	FY23	1	Active	Virginia also reported all Section 319(h)-funded BMPs and pollution reductions in the Grants Reporting and Tracking System (GRTS) by September 30, 2023 (for BMPs installed by 6/30/2023), and DEQ continues to work with EPA to see that non-Section-319(h)-funded BMPs for select implementation plans are provided to EPA for entry into the Watershed Plan Tracker (WPT), a separate module within GRTS	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR/VDE	Annually report 319-funded data into GRTS	C	9	W8	1-3	1	5	3	60.00%
Water Planning	W08	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorus (P), tons of sediment (S), and colony forming units of bacteria (B).	W08-b	Report in GRTS Annual Nitrogen reductions from all IP projects annually	Nitrogen lbs/yr	FY23	4.08 million pounds	Active	BMP installations and calendar year 2023 entered into GRTS resulted in the reduction of 4,427.65 pounds of nitrogen, 281.79 pounds of phosphorus, 434.15 tons of sediment, and 2,61E+17 colony forming units (CFU) of fecal coliform bacteria. DEQ has calculated that these BMPs resulted in the reduction of 4.08 million pounds of nitrogen, 67,004 pounds of phosphorus, 80,125 tons of sediment, and 5.87E+16 CFU of bacteria in IP areas.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR/VDE	Pollution Reductions in IP areas from all funded	C	9	W8	1-3	500000	2500000	3,091,845	123.67%
Water Planning	W08	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorus (P), tons of sediment (S), and colony forming units of bacteria (B).	W08-c	Report in GRTS Annual Phosphorus reductions from all IP projects annually	Phosphorus lbs/yr	FY23	67004 pounds of phosphorus	Active	BMP installations and calendar year 2023 entered into GRTS resulted in the reduction of 4,427.65 pounds of nitrogen, 281.79 pounds of phosphorus, 434.15 tons of sediment, and 2,61E+17 colony forming units (CFU) of fecal coliform bacteria. DEQ has calculated that these BMPs resulted in the reduction of 4.08 million pounds of nitrogen, 67,004 pounds of phosphorus, 80,125 tons of sediment, and 5.87E+16 CFU of bacteria in IP areas.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR/VDE	Pollution Reductions in IP areas from all funded	C	9	W8	1-3	10000	50000	96,880	193.76%
Water Planning	W08	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorus (P), tons of sediment (S), and colony forming units of bacteria (B).	W08-d	Report in GRTS Sediment reductions from all IP projects annually	Sediment tons/yr	FY23	80,125 tons of sediment	Active	BMP installations and calendar year 2023 entered into GRTS resulted in the reduction of 4,427.65 pounds of nitrogen, 281.79 pounds of phosphorus, 434.15 tons of sediment, and 2,61E+17 colony forming units (CFU) of fecal coliform bacteria. DEQ has calculated that these BMPs resulted in the reduction of 4.08 million pounds of nitrogen, 67,004 pounds of phosphorus, 80,125 tons of sediment, and 5.87E+16 CFU of bacteria in IP areas.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR/VDE	Pollution Reductions in IP areas from all funded	C	9	W8	1-3	25000	125000	128,663	102.93%
Water Planning	W08	Report reductions of NPS pollutants from Section 319-funded activities in pounds of nitrogen (N), pounds of phosphorus (P), tons of sediment (S), and colony forming units of bacteria (B).	W08-e	Report in GRTS Bacteria reductions from all IP projects annually	Bacteria CFU/year	FY23	2.61E+16	Active	BMP installations and calendar year 2023 entered into GRTS resulted in the reduction of 4,427.65 pounds of nitrogen, 281.79 pounds of phosphorus, 434.15 tons of sediment, and 2,61E+16 colony forming units (CFU) of fecal coliform bacteria. DEQ has calculated that these BMPs resulted in the reduction of 4.08 million pounds of nitrogen, 67,004 pounds of phosphorus, 80,125 tons of sediment, and 5.87E+16 CFU of bacteria in IP areas.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/DCR/VDE	Pollution Reductions in IP areas from all funded	C	9	W8	1-3	3.00E+15	1.5E+16	1.07E+17	713.20%
Water Planning	W09	Annually report on BMP installation and other implementation progress for selected active IPs in accordance with the milestone goals and timelines established in approved plans and current grant agreements. Data for BMPs funded by 319(h) are entered into GRTS, BMP data for non-319 funded practices for select IPs reported annually into Watershed Plan Tracker.	W09-a	Provide annual progress reports for 5 to 10 319-funded implementation projects active in a given year	Project Progress Report	FY23	0	Active	This reporting activity was delayed due to staffing and resources. A new schedule for annual BMP installation and IP progress is being developed.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Provide annual progress reports for 5 to 10 319-funded	C	10	W9	1-4	5	25	21	84.00%
Water Planning	W09	Annually report on BMP installation and other implementation progress for selected active IPs in accordance with the milestone goals and timelines established in approved plans and current grant agreements. Data for BMPs funded by 319(h) are entered into GRTS, BMP data for non-319 funded practices for select IPs reported annually into Watershed Plan Tracker.	W09-b	Annually enter BMP data into GRTS by February 28 for 319(h) funded projects	GRTS Data entry	FY23	1	Active	Virginia also reported all Section 319(h)-funded BMPs and pollution reductions in the Grants Reporting and Tracking System (GRTS) by September 30, 2023 (for BMPs installed by 6/30/2023), and DEQ continues to work with EPA to see that non-Section-319(h)-funded BMPs for select implementation plans are provided to EPA for entry into the Watershed Plan Tracker (WPT), a separate module within GRTS.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Provide annual progress reports for 5 to 10 319-funded	C	10	W9	1-4	1	5	4	80.00%
Water Planning	W09	Annually report on BMP installation and other implementation progress for selected active IPs in accordance with the milestone goals and timelines established in approved plans and current grant agreements. Data for BMPs funded by 319(h) are entered into GRTS, BMP data for non-319 funded practices for select IPs reported annually into Watershed Plan Tracker.	W09-b2	Annually report BMP data for all IP projects	report	FY23	1	Active	In FY2023, DEQ funded 29 individual projects covering 27 separate implementation plan areas with Section 319(h) funds. Other state and federal funds administered by either DEQ or DCR were also available. Collectively, 4,369 residential septic and agricultural BMPs were installed within 79 IP areas that addressed 234 IP watersheds (Table 2.5). These BMPs cost a total of \$28.5 million, of which \$24.4 million was provided by DEQ and DCR in the form of either state or federal cost-share assistance (excluding funds from USDA). Projects that were not run through Soil and Water Conservation Districts (SWCDs) or had urban BMPs are not included in Table 2.5 and the following analysis.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Provide annual progress reports for 5 to 10 319-funded	C	10	W9	1-4	1	1	5	500.00%
Water Planning	W09	Annually report on BMP installation and other implementation progress for selected active IPs in accordance with the milestone goals and timelines established in approved plans and current grant agreements. Data for BMPs funded by 319(h) are entered into GRTS, BMP data for non-319 funded practices for select IPs reported annually into Watershed Plan Tracker.	W09-c	Annually provide EPA BMP report for WPT entry	WPT Data	FY23	2	Active	In FY23, Woods Creek IP and four subwatersheds from the Dan River IP BMP goals were submitted to EPA. This account for five watersheds. Additionally, a backlog of BMP goals for previously committed watersheds continued to be worked on throughout FY23. An updated BMP crosswalk document was also worked on.	https://grts.epa.gov OR https://ordspub.epa.gov/ords/grts/f?p=grts-95 OR https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Provide annual progress reports for 5 to 10 319-funded	C	10	W9	1-4	1	5	6	120.00%
Water Planning	W10	Maintain 319 funding for water quality monitoring of NPS implementation project areas. Report on the parameters and frequency of stations monitored and the number of implementation projects with monitoring	W10	Submit data to Storet Help Desk every year by 1/31 for 319-funded DEQ data	Report	FY23	1	Active	DEQ submitted data to STORET helpdesk by 1/31 for 319-funded DEQ data. A total of 616 stations with 69 IP areas (181 watersheds) were monitored during 2023.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Report number of stations and parameters, m	E	13	W10	5	1	5	4	80.00%
Water Planning	W11	Continue water quality monitoring for watersheds associated with USDA's National Water Quality Initiative.	W11-b	Number of NWQI sites monitored Annually	# Sites	FY23	4	Active	DEQ monitored for bacteria in the 4 designated NWQI watersheds; NRCS/USGS monitored for other parameters (nutrients, etc.)	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/NRCS	Three NWQI projects with monitoring funded	E	13	W11	3,5	3	15	16	106.67%

NPS Plan Component	Milestone #	2019-2024 Milestone Description	Detailed milestone #	Detailed Goal Description	Milestone Reporting Unit	Report Year	Amount completed	Status	Reporting Comment	website link for additional information	Estimated End Date	Estimated Reporting Frequency	Lead	Original Plan Measurement / Reporting	Objective	Activity	Original Milestone #	NPS Goal	2023 Goal	Total Milestone Unit Goal	Total Units Reported as Completed to Date	% completed of Milestone Unit Goal
Water Planning	W12	Waterbodies identified in VA's Integrated report (IR) as primarily NPS-impaired that are partially or fully-restored or that show water quality improvements	W12-a	Waterbodies identified in VA's Integrated report (IR) as primarily NPS-impaired that are partially or fully-restored or that show water quality improvements	Report and segments	FY23		4 Active	Table 2.11 lists delisted segments associated with Success Stories that are currently underway but not yet approved by EPA. These delistings were based on the 2022 approved 303d/305b Integrated Report. Reviewing the data from the 2022 305(b)/303(d) Water Quality Assessment Integrated Report and comparing it to the list of developed implementation plans, there were four delisted segments spanning four implementation plans covering 27.57 miles approved for delisting.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/water-quality-success-stories	9/30/2024	Annual	DEQ/DCR/VDE	Report from Integrated Report	E	14	W12	1,3		2	21	1050.00%
Water Planning	W12	Waterbodies identified in VA's Integrated report (IR) as primarily NPS-impaired that are partially or fully-restored or that show water quality improvements	W12-b	3 success stories per year, 15 by 2024. Report delisting in integrated report (2020, 2022, and 2024)	Success Stories	FY23		3 Active	In 2023, two success stories were completed for two delisted segments (Table 2.10). Three success stories were completed in 2022 with seven delisted segments. Four success stories were reported to EPA pending approval with four delisted segments. These stories are classified by two types with type 1 stories defined as: delisting of impairments related to partial or full restoration of water bodies. During FY23, all success stories were classified as type 1.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting OR https://www.deq.virginia.gov/our-programs/water/water-quality/water-quality-success-stories	9/30/2024	Annual	DEQ/DCR/VDE	3 success stories per year, 15 by 2024. Report	E	14	W12	1,3	3	15	12	80.00%
Water Planning	W13	Office of Watershed Program will strive to improve the relationship with target agency programs (e.g., VDH, VDE, SERCAP, DCR, etc.) to further water quality improvement opportunities	W13	Number of interagency meetings	meetings	FY23		15 Active	DEQ continued its effort to strengthen its relationships with other agencies to further NPS efforts. During FY2023, DEQ staff engaged in or participated in at least two agency/partner meetings or events per month for a total of at least 20 in the last year. These included: •12 meetings with DCR (to discuss interagency priorities and agricultural programs and practices) •1 meetings with VDH (including discussion on septic requirements and programs) •2 meetings with Virginia Energy (formerly DMME) (to identify priorities in resource extraction) DEQ NPS staff also regularly engage with other programs within DEQ, such as the Clean Water Finance (to integrate revolving fund programs) and Coastal Zone Management.	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ/Partners	Hold two interagency meetings per year with	E	15	W13	1,2,4,5	2	10	84	840.00%
Watershed Roundtable	R01	Maintain watershed roundtables for priority river basins to provide watershed-based forums for stakeholders to participate in defining critical watershed needs, targeting problems for solutions, and providing input on potential management options to restore and protect water quality.	R01	Status Report on Virginia Watershed Roundtable Support Activity	Report	FY23	1	Active	A status report on Watershed Roundtables was provided. Activity has been consistent from previous years. During FY2022, out of the 14 river basins with historic watershed roundtables statewide, 10 (71%) roundtables were active	https://www.deq.virginia.gov/our-programs/water/water-quality/nonpoint-source-management/nps-reporting	9/30/2024	Annual	DEQ	Provide annual progress reports on roundtable	A	1,2	R1	1-5	1	5	4	80.00%