Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: AO05-01-BAC Assateague Island, Tom's Cove South

Cause Location: Atlantic Ocean, Middle of Tom's Cove, Monitored by Accomack Co. - VDH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: Recreation Use is impaired based on data from station VA800662 due to geomean exceedance in any 90-day period.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-AO05_ATL01B24 / Assateague Island - Middle of Tom's Cove / Atlantic Ocean, Middle of Tom's Cove, Monitored by Accomack Co. - VDH.	5A	Enterococcus	2024	L	0.146

Assateague Island, Tom's Cove South

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.146		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: AO23-01-BAC Atlantic Ocean Beaches - Croatan and 15th Street

Cause Location: This cause encompasses the area of 15th Street and Croatan Beach along shore of City of Virginia Beach. VDH bathing beach areas.

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired for Croatan Beach based on Enterococcus bacteria data from the VDH-Beach stations VA723069 (1 viol. / 26 Geo-mean obs.) and VA323310 along with multiple swimming advisories between the years 2009-2014. In 2014, Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach will be listed in the 2016 IR as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-AO23_ATL03A24 / Atlantic Ocean Beaches - 15th Street / Atlantic Ocean beaches - 15th Street. Along shore of City of Virginia Beach. VDH bathing beach areas.	4A	Enterococcus	2024	L	0.316

Atlantic Ocean Beaches - Croatan and 15th Street

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.316		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: AO25-01-BAC Atlantic Ocean Beaches

Cause Location: Atlantic Ocean beaches along shore of North Dam Neck

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: 2024 VA307929: Impaired- geomean exceedance in any 90-day period, ENTER: Number of 90 day windows with > 10% STV exceedance rate: 0. Recreation Use will now be listed in the 2024 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-AO25_ATL01A08 / Atlantic Ocean Beaches - Dam Neck North / Atlantic Ocean beaches along shore of North Dam Neck. VDH bathing beach areas.	5A	Enterococcus	2024	L	2.527

Atlantic Ocean Beaches

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	2.527		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-01-SF Great Wicomico River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 89A, 5/28/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-089A, 5/15/2022

The upstream portion of the Great Wicomico River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89A, 5/28/1997. Although the condemnation later expanded larger than the 1998 condemnation (see C01E-01-SF2), the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. The TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

During the 2010 cycle, it was determined that a portion of the 1998 condemnation is considered an administrative closure by the VDH; therefore, the Shellfish Use was removed from the administrative portion and the segment was partially delisted.

The downstream extent shrank in the 2022 cycle and the mainstem condemnation became smaller than the TMDL extent. The expansion was limited to Blackwells Creek. The seasonally condemned portion of the TMDL extent was partially delisted as was the mainstem expansion.

During the 2024 cycle, condemnation A expanded and is now slightly larger than the TMDL extent. The mainstem expansion will be relisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River CB5MH	4A	Fecal Coliform	1998	L	0.095
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of VDH-DSS condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.268
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream. CB5MH	4A	Fecal Coliform	1998	L	0.020

Great Wicomico River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.382		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-01-SF2 Blackwells Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-089D, 5/15/2022. Portion of Condemnation 013-089A, 5/15/2022 not included in 89A, 5/28/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Notice and Description of Shellfish Condemnation 013-089D, 5/15/2022 Portion of VDH-DSS Condemnation 013-089A, 5/15/2022

The upstream portion of the Great Wicomico River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89A, 5/28/1997. The condemnation later expanded downstream on the mainstem and also incorporated Blackwells Creek. The bacteria TMDL only addressed the original upstream portion..

Over several cycles, the expansion has reduced in size and split. In the 2022 cycle, the mainstem expansion and a portion of Blackwells Creek were seasonally condemned and were partially delisted. The impairment was then limited to a portion of Blackwells Creek.

The mainstem condemnation expanded past the TMDL extent in the 2024 cycle and was re-listed. The Blackwells Creek condemnation also expanded to its previous extent.

The impairments are nested within the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. They are therefore considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLA01A22 / Blackwells Creek / Described in VDH-DSS Condemnation 013-08D, 5/15/2022 Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	2004	L	0.061
VAP-C01E_GWR01B08 / Great Wicomico River / Portion of VDH-DSS condemnation 013-089A, 5/15/2022 not included in 089A, 5/28/1997. Split in the 2022 cycle. CB5MH	4A	Fecal Coliform	2024	L	0.070

Blackwells Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.131		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-02-SF Balls Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 89B, 5/28/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 5/15/2022

The upstream portion of Balls Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89B, 5/28/1997. The impairment was addressed in the Great Wicomico River Shellfish TMDL Report, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. See C01E-02-SF2 for the expansion.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLS01A02 / Balls Creek / Described in VDH-DSS condemnation notice 89B, 5/28/1997. CB5MH	4A	Fecal Coliform	1998	L	0.064

Balls Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.064		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-02-SF2 Balls Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-089F, 5/15/2022 not included in the 5/28/1997 condemnation.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 5/15/2022

The upstream portion of Balls Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89B, 5/28/1997. Although the condemnation is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. As the segment first expanded in the 2002 cycle, the due date for the expansion is 2014.

The size increased in the 2024 cycle.

The impairment is considered nested in the Balls Creek TMDL (Great Wicomico River Shellfish TMDL Report), which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/15/2022 not included in 89B, 5/28/1997. Merged and expanded in the 2024 cycle. CB5MH	4A	Fecal Coliform	2002	L	0.113

Balls Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.112		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-03-SF Tipers Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 89C, 5/28/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 5/15/2022

The upstream portion of Tipers Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89C, 5/28/1997. The TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Although the condemnation later expanded beyond the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. The lower portion was addressed in fact sheet C01E-03-SF2.

In the 2022 cycle, the condemnation shrank and the downstream portion became seasonally condemned. The expansion was delisted (Category 2B). The portion of the seasonal condemnation within the approved TMDL was partially delisted (Category 2C/2B).

The condemnation expanded past the TMDL extent again in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TIP01A98 / Tipers Creek / Described in VDH-DSS condemnation notice 89C, 5/28/1997 Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.083

Tipers Creek

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.083		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-04-SF Henrys Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 016-057D, 12/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 016-057D, 12/15/2022

The TMDL for Henrys Creek was developed as part of the Indian Creek Shellfish TMDL, which was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The TMDL was developed for the maximum extent of the condemnations, which occurred on 1/28/2005.

The condemnation shrank slightly in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH-DSS Condemnation 016-057D, 12/15/2022. Shrank in the 2024 cycle. CB5MH	4A	Fecal Coliform	2018	L	0.031

Henrys Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.031		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-05-SF Whays Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 089D, 4/3/2002

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 013-220B, 5/15/2022

The upstream portion of Whays Creek was included on the 1998 303(d) list as impaired of the Shellfish Consumption Use due to VDH Condemnation 89F, 5/28/1997. The shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007, was based on condemnation 089D, 4/3/2002.

In the 2022 cycle, the condemnation shrank. The downstream re-opened area was partially delisted (Category 2C.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WHY01A98 / Whays Creek / Described in VDH-DSS condemnation notice 013-220B, 5/15/2022 CB5MH	4A	Fecal Coliform	1998	L	0.028

Whays Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.028		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-06-SF Warehouse Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 089E, 5/28/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 5/15/2022

The upper portion of Warehouse Creek was included on the 1998 303(d) list due to VDH Condemnation 89E, 5/28/1997. Although the condemnation has since expanded, the bacteria TMDL was completed only for the original upstream portion. The TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. The upper portion is considered Category 4A. The lower portion is addressed in fact sheet C01E-06-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997 CB5MH	4A	Fecal Coliform	1998	L	0.069

Warehouse Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.069		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-06-SF2 Warehouse Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-220A, 6/15/2020 not included in condemnation 89E, 5/28/1997.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 5/15/2022

The upper portion of Warehouse Creek was included on the 1998 303(d) list due to VDH Condemnation 89E, 5/28/1997. Although the condemnation has since expanded, the bacteria TMDL was completed only for the original upstream portion. The due date is 2018 since it first expanded in the 2006 cycle.

The impairment is considered nested within the upstream Warehouse Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/15/2022 not included in 89E, 5/28/1997 CB5MH	4A	Fecal Coliform	2006	L	0.008

Warehouse Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.008		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-08-BAC Cockrell Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 012-002A, 9/22/2005.

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: Due to monitoring around the Omega Protein facility during development of the Cockrell Creek Shellfish TMDL, the segment was listed for the Recreation Use due to enterococci exceedances at several stations. Monitoring at downstream station 7-COC000.27 was acceptable.

The enterococci TMDL was due in 2020, however it was addressed during the Shellfish TMDL, which was approved by the EPA on 12/8/2008 and by the SWCB on 4/28/2009. The segment is considered Category 4A.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 9/15/2022 Size increased in the 2024 cycle. CB5MH	4A	Enterococcus	2008	L	0.231
VAP-C01E_COC04B10 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002A, 9/15/2022 CB5MH	4A	Enterococcus	2008	L	0.198
VAP-C01E_COC04C22 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002S194, 9/15/2022. Size reduced in the 2024 cycle. CB5MH	4A	Enterococcus	2008	L	0.041

Cockrell Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.47		

Sources: Agriculture; Industrial Point Source Discharge; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-09-SF Prentice Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 022D, 2/27/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 015-022E, 5/15/2022

This portion of Prentice Creek was included on the 1998 303(d) list due to condemnation 022D, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

During the 2010 cycle, the condemnation expanded and merged with another 1998 condemnation on an unnamed tributary. The 1998 segment is considered Category 4A for the Shellfish Use; the expanded area is addressed in fact sheet C01E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997. CB5MH	4A	Fecal Coliform	1998	L	0.015

Prentice Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.015		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-09-SF2 Prentice Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 015-022E, 5/15/2022 not included in 022D or 022C, 2/27/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 015-022E, 5/15/2022

Two portions of Prentice Creek was included on the 1998 303(d) list due to condemnations 022C & 022D, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed during the 2008 cycle as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

During the 2010 cycle, the condemnations expanded and merged. The 1998 segments are considered Category 4A for the Shellfish Use; the TMDL for the expanded area is due in 2022. The impairment is nested in the Prentice Creek Bacterial TMDL and is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT02B10 / Prentice Creek / Portion of VDH-DSS condemnation 015-022E, 5/15/2022 that was open on 022, 2/27/1997. CB5MH	4A	Fecal Coliform	2010	L	0.014

Prentice Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.014		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-10-EBTOX Cockrell Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 012-002B, 8/15/2022

Cause City/County: Northumberland County

Use(s): Aquatic Life

Causes(s)/VA Category: Sediment Bioassay/5A

Cause Description: During the 2020 cycle, upper Cockrell Creek was impaired of the Aquatic Life Use due to an altered benthic community at 2018 Coastal 2000 station 7-COC002.14.

The source is considered unknown; the analysis indicates a strong potential of effects from cumulative metals and PAHs.

During the 2024 cycle, the impairment was changed from estuarine bioassessments to sediment bioassays and the Cause Group Code was renamed.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/15/2022. CB5MH	5A	Sediment Bioassay	2020	L	0.612

Cockrell Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Sediment Bioassay - Total Impaired Size by Water Type:	0.612		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-12-BAC Mill Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 123, 6/2/1997

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The upper portion of Mill Creek was assessed as impaired of the Recreation Use during the 2010 cycle due to an enterococci violation rate of 5/12 at 7-MIL004.00, which is located at the end of Rt. 830.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Because bacteria reductions are already required due to the Mill Creek Shellfish TMDL, the enterococci impairment is considered nested (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997. CB5MH	4A	Enterococcus	2010	L	0.241

Mill Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.241		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-12-SF Mill Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 123, 6/2/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/15/2022

The upper portion of Mill Creek was included on the 1998 303(d) list due to shellfish condemnation 123, 6/2/1997. The segment has expanded since then, however only the original portion was included in the TMDL for Mill Creek, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. The original upstream segment is considered Category 4A; the fact sheet for the downstream portion is C01E-12-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997. CB5MH	4A	Fecal Coliform	1998	L	0.241

Mill Creek

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.241		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-12-SF2 Mill Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 014-123A, 5/15/2022 not included in 123, 6/2/1997.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/15/2022

The upper portion of Mill Creek was included on the 1998 303(d) list due to shellfish condemnation 123, 6/2/1997. The segment has since expanded; however, only the original portion was included in the TMDL for Mill Creek, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. As the segment first expanded during the 2004 cycle, the TMDL is due in 2016. The impairment shortened slightly in the 2020 cycle.

The impairment is nested within the upstream Mill Creek Shellfish TMDL and is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Shellfish Condemnation 014-123A, 5/15/2022 not included in the notice 123, 6/2/1997. CB5MH	4A	Fecal Coliform	2004	L	0.027

Mill Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.027		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-14-SF Gaskin Pond

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 011-122A, 9/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 011-122A, 9/15/2022

Gaskin Pond is considered nested in the TMDL for the neighboring Owens Pond shellfish condemnation. The TMDL was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009.

The size of the condemnation has varied. In the 2022 cycle, the condemnation shrank again and a portion is now seasonally condemned and was partially delisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 9/15/2022. CB5MH	4A	Fecal Coliform	2010	L	0.076

Gaskin Pond

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.076		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-15-SF Dividing Creek, Lawrence Creek, Natty Point Cove, UT to Dividing Creek

Cause Location: Described in VDH Shellfish Condemnation 22A, 2/27/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnations 015-022A, -B, and -D, 5/15/2022

The upstream section of Dividing Creek was included on the 1998 303(d) list for the Shellfish Use due to VDH condemnation 22A, 2/27/1997. The bacterial TMDL was completed for the 1998 impairment.

The condemnations have varied in size throughout the cycles.

The open area that is within the TMDL study area is considered Category 2C. The closed areas remain Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01A98 / Dividing Creek / Dividing Creek and XDB - Dividing Creek, UT within VDH-DSS condemnation 015-022A, 5/15/2022 (excludes Natty Point Cove and XES). Size increased in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.181
VAP-C01E_DIV01C14 / Dividing Creek, UT / Described in VDH-DSS condemnation 015-022D, 5/15/2022. CB5MH	4A	Fecal Coliform	2024	L	0.009
VAP-C01E_LRC01A12 / Lawrence Cove / Described in VDH-DSS condemnation 015-022B, 5/15/2022. Expanded in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.103
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018. CB5MH	4A	Fecal Coliform	1998	L	0.018
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 6/15/2020. CB5MH	4A	Fecal Coliform	1998	L	0.029

Dividing Creek, Lawrence Creek, Natty Point Cove, UT to Dividing Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.339		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-17-PCB Chesapeake Bay and Tidal Tributaries

Cause Location: Chesapeake Bay mainstem and its small coastal tidal tributaries

Cause City/County: Accomack County; Chesapeake Bay - County Not Applicable; Gloucester County; Hampton; Lancaster County; Mathews County; Middlesex County; Norfolk; Northampton County; Northumberland County; Poquoson City; Virginia Beach; York County

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Chesapeake Bay and its small coastal tidal tributaries are included under the 12/13/2004 VDH Fish Consumption Advisories for PCBs. No more than two meals/month are recommended of anadromous (coastal) striped bass.

Also, VDH issued additional fish consumption advisory for PCBs in the Mobjack Bay and its tributaries, particularly the East, West, and Ware Rivers (on 12/13/2004) and in the Piankatank River from Rt. 17 to Deep Point Boat Landing (10/7/2009). No more than two meals/month of gizzard shad are recommended.

The advisories are based on the results of DEQ's fish tissue monitoring program, which show elevated PCBs levels in several monitoring sites within the basin, including:

7-COC000.40 in Cockrell Creek 7-DYM000.00 in Dymer Creek 7-DRN001.43 in Dragon Swamp 7-PNK019.85 and 7-PNK015.49 in the Piankatank River 7-MLF002.45 in Milford Haven 7-WIN000.88 in Winter Harbor 7-EST002.65 in the East River 7-WAR005.77 in the Ware River

Note: there were previous exceedances at 7-GWR007.97 in the Great Wicomico River, 7-IND001.80 in Indian Creek, and 7-NOR003.65 in the North River. Re-sampling at those stations was acceptable in the 2022 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E-POC / Chesapeake Bay - VA portion of CBP segment POCMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pocomoke sound. HUC: 02080101.	5A	PCBs in Fish Tissue	2006	L	40.232
VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	5A	PCBs in Fish Tissue	2006	L	118.937
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Open)	5A	PCBs in Fish Tissue	2006	L	2.822
VACB-C10E_POC01C20 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	5A	PCBs in Fish Tissue	2006	L	4.152
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	5A	PCBs in Fish Tissue	2006	L	1.366

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	5A	PCBs in Fish Tissue	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VACB-C10E_TNN01A06 (2016).	5A	PCBs in Fish Tissue	2006	L	0.243
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015.	5A	PCBs in Fish Tissue	2006	L	2.169
VACB-R01E-04CE / Chesapeake Bay - Cape Charles DSS #089-011 / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	5A	PCBs in Fish Tissue	2006	L	0.312
VACB-R01E-04DE / Chesapeake Bay - S. Thimble Island / Va Dept of Health Shellfish zone #069-163. Open to shellfish harvesting as of 4/25/2007. S. Thimble Island. HUC: 02080101	5A	PCBs in Fish Tissue	2006	L	0.027
VACB-R01E-04EE / Chesapeake Bay - Off Little Creek / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. [effective 2005-3-08]	5A	PCBs in Fish Tissue	2006	L	0.597
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. [effective 2005-3-08]	5A	PCBs in Fish Tissue	2006	L	1.299
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward.	5A	PCBs in Fish Tissue	2006	L	185.846
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	5A	PCBs in Fish Tissue	2006	L	127.195

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	5A	PCBs in Fish Tissue	2006	L	160.307
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the southeastern half of the Virginia Chesapeake Bay.	5A	PCBs in Fish Tissue	2006	L	169.747
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the eastern half of the Virginia Chesapeake Bay along the Eastern Shore.	5A	PCBs in Fish Tissue	2006	L	371.633
VACB-R01E-CB8 / Chesapeake Bay - CBP Segment CB8PH / This assessment unit is the mainstem portion of Chesapeake Bay Program segment CB8PH, located in the Virginia Chesapeake Bay between the mouths of the James River and mouth of Chesapeake Bay.	5A	PCBs in Fish Tissue	2006	L	141.796
VACB-R01E-MOB / Chesapeake Bay - CBP Segment MOBPH / This assessment unit is the mainstem Chesapeake Bay and Mobjack Bay portions of Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay.	5A	PCBs in Fish Tissue	2006	L	92.894
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #079-112 (Open)	5A	PCBs in Fish Tissue	2006	L	0.023
VACB-R01E_CB7S01A24 / Chesapeake Bay - Southern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #080-169 (Restricted)	5A	PCBs in Fish Tissue	2006	L	0.054
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.083
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.005
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in VDH-DSS condemnation notice 017-188B, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.032

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT02A08 / Antipoison Creek / Portion of VDH-DSS condemnation notice 017-188, 7/13/2004 not otherwise segmented. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.306
VAP-C01E_ASH01A10 / Ashleys Cove / Portion of VDH-DSS condemnation 016-024D, 1/28/2005 open in 016-024, 12/15/2022 Split in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C01E_ASH01B24 / Ashleys Cove / Described in VDH-DSS condemnation 016-024E, 12/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.030
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220F, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.052
VAP-C01E_BAL01A02 / Ball Creek / Portion of VDH condemnation notice 014-124B, 6/2/1997 open in 014-124, 4/15/2021. Size increased in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.042
VAP-C01E_BAL01B20 / Ball Creek / Described in VDH-DSS condemnation notice 014-124A, 4/15/2021. Size decreased in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.039
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS Condemnation 124B, 6/2/1997 downstream to its mouth. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.128
VAP-C01E_BAR01A98 / Barrett Creek / Described in VDH-DSS condemnation notice 013-08S80, 6/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.066
VAP-C01E_BAR02A08 / Barrett Creek, UT / Described in VDH-DSS SFC 013-089S81, 6/15/2020 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.007
VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.042
VAP-C01E_BLA01A22 / Blackwells Creek / Described in VDH-DSS Condemnation 013-08D, 5/15/2022 Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.061
VAP-C01E_BLS01A02 / Balls Creek / Described in VDH-DSS condemnation notice 89B, 5/28/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.064

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/15/2022 not included in 89B, 5/28/1997. Merged and expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.113
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/15/2022. Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.082
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River CB5MH	5A	PCBs in Fish Tissue	2006	L	0.095
VAP-C01E_BRS01A08 / Barnes Creek / Portion of VDH-DSS condemnation 016-057C, 12/13/2006 open in 016-057, 11/15/2020. Split in the 2022 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.225
VAP-C01E_BRS01B20 / Barnes Creek / Portion of VDH-DSS condemnation 12/13/2006 open on 016-057, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.023
VAP-C01E_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 11/15/2020. Shrank in the 2022 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.062
VAP-C01E_BRS01D22 / Barnes Creek / Described in VDH-DSS condemnation 016-057S136, 11/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.031
VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.023
VAP-C01E_CLE01A98 / Cloverdale Creek / Described in VDH-DSS condemnation notice 014-124A, 6/2/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.056
VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.612

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC03A98 / Cockrell Creek / Described in VDH-DSS condemnation notice 012-002C, 9/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.035
VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 9/15/2022 Size increased in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.231
VAP-C01E_COC04B10 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002A, 9/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.198
VAP-C01E_COC04C22 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002S194, 9/15/2022. Size reduced in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005 downstream to mouth at Fleet Point. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.152
VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.019
VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.019
VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C01E_CRN02A24 / Cranes Creek / Cranes Creek below VDH-DSS condemnations 013-220, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.323
VAP-C01E_DIV01A98 / Dividing Creek / Dividing Creek and XDB - Dividing Creek, UT within VDH-DSS condemnation 015-022A, 5/15/2022 (excludes Natty Point Cove and XES). Size increased in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.181
VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/15/2022. Size reduced in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.083

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01C14 / Dividing Creek, UT / Described in VDH-DSS condemnation 015-022D, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.009
VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.816
VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.019
VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 24A, 3/5/1997, excluding Chases Cove. Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.309
VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005 unless otherwise segmented. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.665
VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. CB5MH Size adjusted in 2006 cycle.	5A	PCBs in Fish Tissue	2006	L	5.177
VAP-C01E_GEO01B20 / Georges Cove / Described in VDH-DSS condemnation notice 016-024E, 1/28/2005. Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C01E_GEO02B20 / Georges Cove / Portion of VDH-DSS Condemnation 016-024B, 112/15/2022 not included in 016-024E, 1/28/2005. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220S84, 6/15/2020 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.036
VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 9/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.076
VAP-C01E_GSK01B22 / Gaskin Pond / As described in VDH-DSS condemnation 011-122S189, 9/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.042

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of VDH-DSS condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.268
VAP-C01E_GWR01B08 / Great Wicomico River / Portion of VDH-DSS condemnation 013-089A, 5/15/2022 not included in 089A, 5/28/1997. Split in the 2022 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.070
VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed CB5MH	5A	PCBs in Fish Tissue	2006	L	0.058
VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 5/15/2022 downstream to 1/2 mile above station 7BGWR005.26. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.810
VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.017
VAP-C01E_GWR02C06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.008
VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS Condemnation 013-089M3, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.008
VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.033
VAP-C01E_GWR02F24 / Great Wicomico River / 1/2 mile upstream of station 7BGWR005.26 to 1/2 mile downstream of station 7-GWR004.70. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.542
VAP-C01E_GWR02G24 / Great Wicomico River / From 1/2 mile downstream of station 7-GWR004.70 downstream to Rogue Point, unless otherwise segmented. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.532
VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point downstream to upper Ingram Bay Split in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	1.946

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.022
VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123S148, 5/1/2022. Expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.089
VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH-DSS Condemnation 016-057D, 12/15/2022. Shrank in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.031
VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/15/2022. Expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.040
VAP-C01E_HEN02A14 / Henrys Creek / Downstream of VDH-DSS Condemnation 016-057C, 1/28/2005 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.103
VAP-C01E_HHB01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 013-089G, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.071
VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.040
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C01E_IND01A98 / Indian Creek / Portion of VDH-DSS condemnation notice 016-057A, 12/13/2006 that is not administratively condemned (12/15/2022). Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.379
VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057E, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.595

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND03C22 / Indian Creek / Described in VDH-DSS Condemnation 016-057M1, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.017
VAP-C01E_INN03B16 / Ingram Bay / Described in VDH-DSS condemnation 013-220D, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.004
VAP-C01E_INN03C24 / Ingram Bay / Ingram Bay of the Great Wicomico River Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	4.878
VAP-C01E_JAR01A02 / Jarvis Creek, UT / Described in VDH-DSS condemnation notice 015-022H, 6/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.026
VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022C, 5/15/2022. Expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.029
VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations Split in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.150
VAP-C01E_JAR02B24 / Jarvis Creek / Non-administrative portion of VDH-DSS Condemnation 015-022H, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024C, 12/15/2022 not impaired in 016-024C, 1/28/2005. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.017
VAP-C01E_LRC01A12 / Lawrence Cove / Described in VDH-DSS condemnation 015-022B, 5/15/2022. Expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.103
VAP-C01E_LTB01A02 / Little Bay / Little Bay CB5MH	5A	PCBs in Fish Tissue	2006	L	1.147
VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in VDH-DSS condemnation notice 011-190S192, 8/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.038

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_LTM01B22 / Little Taskmakers Creek / Portion of VDH condemnation notice 190, 4/13/1993 that is not included in 011-190, 8/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.011
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.241
VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Shellfish Condemnation 014-123A, 5/15/2022 not included in the notice 123, 6/2/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnations to Ingrams Bay. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.202
VAP-C01E_MIL03B22 / Mill Creek / Described in VDH-DSS Condemnation 014-123S150, 5/15/2022. Shortened in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.263
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.024
VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnation 011-122, 8/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.076
VAP-C01E_OWP02B12 / Owens Pond / Described in VDH-DSS condemnation 011-122S191, 9/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C01E_OWP02C12 / Owens Pond / Described in VDH-DSS condemnation 011-122S190, 8/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.073
VAP-C01E_OYS01A08 / Oyster Creek / Portion of VDH condemnation 018-053A, 1/4/2005 within CB5MH. Split in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.032
VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220E, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.009
VAP-C01E_PNT02A02 / Prentice Creek / Downstream of VDH-DSS condemnation 015-022, 5/15/2022 to its mouth. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.156

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT02B10 / Prentice Creek / Portion of VDH-DSS condemnation 015-022E, 5/15/2022 that was open on 022, 2/27/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.014
VAP-C01E_PNT02C22 / Prentice Creek, UT / Described in VDH-DSS condemnation 015-022F, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.004
VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.025
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A and -133B, 12/15/2022 Size reduced in the 2022 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.180
VAP-C01E_TBS01C22 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 open on 12/15/2022. Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.054
VAP-C01E_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS Condemnation 016-133, 12/13/2006. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.175
VAP-C01E_TIP01A98 / Tipers Creek / Described in VDH-DSS condemnation notice 89C, 5/28/1997 Merged in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.083
VAP-C01E_TIP02A08 / Tipers Creek / Portion of VDH-DSS condemnation notice 013-089E, 5/15/2022 not included in 89C, 5/28/1997. Expanded in the 2024 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.039
VAP-C01E_TIP03A24 / Tipers Creek / Downstream of VDH-DSS Condemnation 013-089E, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.024
VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123B, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190S193, 8/15/2020 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.021

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.069
VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/15/2022 not included in 89E, 5/28/1997 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.008
VAP-C01E_WHY01A98 / Whays Creek / Described in VDH-DSS condemnation notice 013-220B, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.028
VAP-C01E_WHY01B22 / Whays Creek / Portion of VDH-DSS condemnation notice 089D, 4/3/2002 open in 013-220, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.013
VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 013-089D, 4/3/2002. Merged in the 2022 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.099
VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described VDH-DSS condemnation notice 011-190A, 8/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C01E_XDZ01A10 / XDZ - Mill Creek, UT (Gascony Cove) / Tidal limit to mouth at Mill Creek	5A	PCBs in Fish Tissue	2006	L	0.028
VAP-C01E_XEO01A10 / XEO - Reason Creek, UT / Described in VDH-DSS Condemnation 013-220C, 5/15/2022 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.001
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 6/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.029
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.011
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.006
VAP-C01E_XEW01A14 / XEW - Chesapeake Bay, UT / Tidal limit to mouth	5A	PCBs in Fish Tissue	2006	L	0.022
VAP-C01E_XFC02C12 / XFC - Antipoison Creek, UT / Described in VDH-DSS condemnation 017-188D, 12/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.002

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XFJ01A22 / XFJ - Mill Creek, UT (Guarding Cove) / Described in VDH-DSS Condemnation 014-123S174, 6/15/2020. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.059
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022G, 5/15/2022. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.013
VAP-C01E_ZZZ01A22 / Unsegmented estuaries in C01 / Unsegmented estuaries in CB02 CB5MH	5A	PCBs in Fish Tissue	2006	L	0.274
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.058
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.397
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.065
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.823
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/15/2022. Merged in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.092
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH-DSS condemnation 025-076C, 12/15/2022 PIAMH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C03E_FER01A98 / Ferry Creek / Described in VDH-DSS condemnation notice 035-076B, 2/15/2020. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C03E_FER01B20 / Ferry Creek / Non-Admin Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022 PIAMH	5A	PCBs in Fish Tissue	2006	L	0.115
VAP-C03E_FRE01A02 / Frenchs Creek / As described in VDH-DSS condemnation notice 035-076D, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.010

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208A, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.047
VAP-C03E_HEA01B20 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208S67, 12/15/2020. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.024
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.062
VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.019
VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084B, 2/15/2020. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.014
VAP-C03E_JCK02B16 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084A, 12/15/2022 not included in 084A, 11/1/1996. Merged in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C03E_JCK02C10 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084M1, 2/15/2022 not included in 84B 11/1/1996, or 033-084B 2/15/2020. Merged in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.197
VAP-C03E_JCK03C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084B, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.013
VAP-C03E_MRE01A02 / Moore Creek / Described in VDH-DSS condemnation notice 034-208C, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C03E_MRE01B22 / Moore Creek / As described in the condemnation notice 034-208S69, 12/15/2020. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.035
VAP-C03E_PNK01A02 / Piankatank River / Downstream limit of VDH-DSS condemnation SFC 035-076A, 6/10/1997 to Deep Point Boat Landing. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.558

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997. PIAMH	5A	PCBs in Fish Tissue	2006	L	1.280
VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from end of 035-076S65, 2/15/2020 downstream to PNK03A00, excluding the Berkley Island area. Expanded in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	3.595
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island PIAMH	5A	PCBs in Fish Tissue	2006	L	0.785
VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank from Deep Point Landing downstream to the boundary of 035-076A, 12/15/2022. Shrank in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.407
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH	5A	PCBs in Fish Tissue	2006	L	1.167
VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay. PIAMH	5A	PCBs in Fish Tissue	2006	L	3.528
VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.040
VAP-C03E_PNK04C06 / Piankatank River - Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.085
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/15/2022. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.011
VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay PIAMH	5A	PCBs in Fish Tissue	2006	L	4.949
VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S71, 12/28/2018. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.007

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S72, 12/28/2018. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.003
VAP-C03E_WLT01A98 / Wilton Creek / Described in VDH-DSS condemnation 126, 3/2/1993. Merged in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.135
VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.146
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH-DSS Shellfish Condemnation 042-157G, 8/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.053
VAP-C04E_BKA01A98 / Back Creek / Described in VDH -DSS condemnation notice 157C, 6/3/1997. Merged in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.085
VAP-C04E_BLL01A16 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 seasonally condemned on 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.002
VAP-C04E_BLL01A98 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.044
VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.285
VAP-C04E_BLL02B20 / Billups Creek / Portion of VDH-DSS condemnation 037-061B, 2/15/2022 open on 4/4/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.006
VAP-C04E_BLL02C12 / Billups Creek / Portion of VDH-DSS condemnation 037-061S129, 2/15/2022 open in 204, 4/4/1997. Size decreased in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C04E_BLW01A98 / Blackwater Creek / Described in VDH-DSS condemnation notice 042-131A, 6/3/1997. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.101
VAP-C04E_BLW02A22 / Blackwater Creek / Portion of VDH-DSS Condemnation 042-131S161, 12/15/2021 not included in 131A, 6/3/1997. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.008

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BLW03A24 / Blackwater Creek / Blackwater Creek below VDH-DSS Condemnation 042-131, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.283
VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.028
VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.021
VAP-C04E_BRN02A22 / Barn Creek / Described in VDH-DSS condemnation notice 036-197S126, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River MOBPH	5A	PCBs in Fish Tissue	2010	L	0.025
VAP-C04E_DAV01A98 / Davis Creek / Described in VDH-DSS condemnation notice 042-131S22, 12/15/2021. Split in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.035
VAP-C04E_DAV01B24 / Davis Creek / Described in VDH-DSS condemnation notice 042-131C, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C04E_DOC01A98 / Doctors Creek / Described in VDH condemnation notice 26B, 2/25/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C04E_DVS01A98 / Davis Creek / Described in VDH-DSS condemnation notice 85, 9/22/1997 MOBPH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.011
VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.013
VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100A, 2/15/2021. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.052
VAP-C04E_DYE01B22 / Dyer Creek, UT / Described in VDH-DSS Condemnation 039-100S123, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.014

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.220
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C04E_EDW02A98 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197B, 1/21/1997 open 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 3/15/2019 not included in 197B, 1/21/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.006
VAP-C04E_EDW03A24 / Edwards Creek / Edwards Creek below VDH-DSS condemnation notice 036-197B, 1/21/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.029
VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.023
VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 8/15/2022 not included in 157B, 6/3/1997. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.009
VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.198
VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 10/15/2022 open in 92, 1/3/1995. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.072
VAP-C04E_EST01D10 / East River, UT / Described in VDH-DSS condemnation notice 041-092C, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.023
VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented. MOBPH	5A	PCBs in Fish Tissue	2006	L	2.436
VAP-C04E_EST02B20 / East River, UT / Described in VDH-DSS condemnation 041-092D, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.013
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.016

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST04A02 / East River, UT / Described in VDH-DSS Condemnation Notice 041-212S197, 10/15/2020. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.026
VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS Condemnation 041-212S198, 10/15/2020. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.026
VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.014
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212S46, 9/24/2018. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.004
VAP-C04E_EST09A22 / East River, UT / Described in VDH-DSS Condemnation 041-092S42, 10/15/2020 MOBPH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.373
VAP-C04E_GOS01A24 / Godsey Creek / Described in VDH-DSS Condemnation 042-131S159, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.058
VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131M1, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.054
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 039-026A, 2/15/2022. Shrank in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.140
VAP-C04E_HAH01B24 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 open in the 039-026, 2/15/2022 condemnation. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.060
VAP-C04E_HAH01C12 / Horn Harbor / Described in VDH-DSS condemnation 039-026M2, 2/15/2022 condemnation. Segment adjusted and split in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.035

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented. Merged in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	1.437
VAP-C04E_HAH02C20 / Horn Harbor / Described in VDH-DSS condemnation 039-026D, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026B, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.005
VAP-C04E_HAH02F22 / Horn Harbor / Described in VDH-DSS condemnation 039-026M1, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.005
VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 2/15/2021. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C04E_HAM01A24 / Hampton Creek / Described in VDH-DSS Condemnation 042-131S204, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.035
VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven CB6PH	5A	PCBs in Fish Tissue	2006	L	0.023
VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061D, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C04E_LAN01A02 / Lanes Creek / As described in VDH-DSS condemnation notice 037-099C, 2/15/2022. Expanded in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.033
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099E, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.002
VAP-C04E_LAN02A22 / Lanes Creek / Portion of VDH-DSS Condemnation 037-099S127, 4/15/2020 open 2/15/2022. Shrunk in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.040
VAP-C04E_MID01A02 / Winder Creek / As described in VDH-DSS condemnation notice 037-099B, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.025

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212B, 10/15/2022. Shrank in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.030
VAP-C04E_MLF01A98 / Milford Haven / Described in VDH-DSS condemnation notice 036-197A, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.029
VAP-C04E_MLF02A98 / Milford Haven / Described in VDH-DSS condemnation notice 036-197E, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.030
VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 3/15/2019 except as otherwise segmented. CB6PH	5A	PCBs in Fish Tissue	2006	L	1.411
VAP-C04E_MLF04A06 / Milford Haven / Northern Hills Bay Split in the 2024 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	1.855
VAP-C04E_MLF04B24 / Milford Haven / Southern Hills Bay CB6MH	5A	PCBs in Fish Tissue	2006	L	0.428
VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C04E_MRC01A98 / Morris Creek / Described in VDH-DSS condemnation notice 61B, 4/4/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C04E_NOR01A02 / North River / Described in VDH-DSS condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream. Merged in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.317
VAP-C04E_NOR01B08 / North River / Described in VDH-DSS condemnation notice 042-157S24, 8/15/2022. Split in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.300
VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157 to Mobjack Bay, except as otherwise segmented. MOBPH	5A	PCBs in Fish Tissue	2006	L	3.053
VAP-C04E_NOR02B24 / North River / Portion of condemnation notice 042-157A, 8/15/2022 not included on the 6/3/1997 condemnation. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.064

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR03A20 / North River, UT / Described in VDH-DSS condemnation 042-157B, 8/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.021
VAP-C04E_NOR04A22 / North River, UT / Described in VDH-DSS Condemnation 042-157F, 8/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C04E_NOR05A24 / North River / North River from rivermile 3.08 to 1.27. MOBPH	5A	PCBs in Fish Tissue	2006	L	1.681
VAP-C04E_OAK01A08 / Oakland Creek / Described in VDH-DSS condemnation notice 042-131S160, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.030
VAP-C04E_PEP01A06 / Pepper Creek / As described in VDH-DSS condemnation notice 040-085B, 9/26/2006. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.031
VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 10/15/2022 included in 5A, 6/5/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.077
VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open in 041-005, 10/15/2022. Merged in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.050
VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.005
VAP-C04E_PUT02A98 / Put In Creek / Described in VDH-DSS condemnation notice 5B, 6/5/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.021
VAP-C04E_QUE01A98 / Queens Creek / Portion of VDH-DSS condemnation 99A, 4/9/1997 within 037-099A and -D, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.094
VAP-C04E_QUE01B10 / Queens Creek / Described in VDH-DSS condemnation notice 037-099M1, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.031
VAP-C04E_QUE01C10 / Queens Creek / Below VDH-DSS condemnation 99A, 4/7/1997, unless otherwise segmented. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.068

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_QUE01D22 / Queens Creek / Portion of VDH-DSS condemnation notice 99A, 4/9/1997 within 037-099S132, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.069
VAP-C04E_QUE02A12 / Queens Creek, UT / Described in VDH-DSS condemnation 037-099F, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.011
VAP-C04E_RAN01A08 / Raines Creek / Described in VDH Shellfish Condemnation 041-212I, 10/25/2005. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.039
VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.026
VAP-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085A, 10/15/2020. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.028
VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.004
VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.292
VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 037-061A, 2/15/2022. Adjusted slightly in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.077
VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061S130, 2/15/2022. Shrank in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.017
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/15/2022 not condemned on 4/4/1997. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.045
VAP-C04E_STT01C14 / Stutts Creek / Described in VDH-DSS condemnation notice 037-061S131 and 037-061S128, 2/15/2022, excluding area in 037-061A, 4/4/1997. Size reduced in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.081
VAP-C04E_STT01D22 / Stutts Creek / Portion of VDH-DSS condemnation 061A, 4/4/1997 seasonally condemned on 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.013

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_STT02A00 / Stutts Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.191
VAP-C04E_STT02B20 / Stutts Creek, UT / Described in VDH-DSS condemnation 037-061E, 2/15/2022. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.006
VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point Breeze downstream to its mouth at the Chesapeake Bay. CB6PH	5A	PCBs in Fish Tissue	2006	L	1.038
VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212S166, 10/15/2020. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.014
VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 3/15/2019. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach CB6PH	5A	PCBs in Fish Tissue	2006	L	0.074
VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach PIAMH	5A	PCBs in Fish Tissue	2006	L	0.243
VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.108
VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented. Merged in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.455
VAP-C04E_WIN01C20 / Winter Harbor / Described in VDH-DSS Condemnation 038-178S171, 4/15/2020. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.030
VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 2/15/2021. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.037

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of Winter Harbor. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.715
VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnations 038-176A and 038-178B, 2/15/2021. Expanded in the 2024 cycle. CB6PH	5A	PCBs in Fish Tissue	2006	L	0.141
VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.025
VAP-C04E_WON02A24 / Weston Creek / Weston Creek below VDH-DSS condemnation 042-212A, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.046
VAP-C04E_WOO01A10 / Woodas Creek / Described in VDH-DSS condemnation notice 041-092B, 10/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.029
VAP-C04E_WOO02A20 / Woodas Creek / Described in VDH-DSS condemnation 041-09S45, 10/15/2020. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.021
VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.018
VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 12/15/2021. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.020
VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 3/15/2019. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	5A	PCBs in Fish Tissue	2006	L	0.012
VAP-C04E_ZZZ01B24 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within CB6PH	5A	PCBs in Fish Tissue	2006	L	0.644
VAP-C04E_ZZZ02A06 / Unsegmented estuaries in C04 / Unsegmented portion within CB6PH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C04E_ZZZ03A06 / Unsegmented estuaries in C04 / Unsegmented portion within MOBPH	5A	PCBs in Fish Tissue	2006	L	0.428
VAP-C05E_FOX01A08 / Fox Mill Run / Described in VDH-DSS condemnation notice 96B, 8/12/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.085

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River MOBPH	5A	PCBs in Fish Tissue	2006	L	0.102
VAP-C05E_WAR01A02 / Ware River / Described in VDH-DSS condemnation notice 096A, 8/12/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.270
VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/15/2022 not included in condemnation 96A and 96B, 8/12/1996. Expanded in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.262
VAP-C05E_WAR02A02 / Ware River / Ware River downstream of VDH-DSS condemnation 043-096. MOBPH	5A	PCBs in Fish Tissue	2006	L	6.086
VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 8/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C05E_WAR02C20 / Ware River / Described in VDH-DSS condemnation 043-096S26, 8/15/2022. Shrank in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.222
VAP-C05E_WIL01A98 / Wilson Creek / Described in VDH-DSS condemnation notice 106, 8/12/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.033
VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/15/2022 not included in condemnation 106, 8/12/1996. Expanded in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.213
VAP-C05E_WIL02A22 / Wilson Creek / Described in VDH-DSS Condemnation 043-096S25, 8/15/2022. Segment adjusted in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.109
VAP-C05E_XDJ01A08 / XDJ - Wilson Creek, UT / Tidal limit to mouth at Wilson Creek. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.010
VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.073
VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125A, 12/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.049
VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.021

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/15/2020 not included in 125B, 12/31/1996. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.024
VAP-C06E_FRC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.039
VAP-C06E_FRC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.027
VAP-C06E_HEY01A98 / Heywood Creek / Described in VDH-DSS condemnation notice 044-054B, 6/15/2022. Expanded in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.120
VAP-C06E_HEY01B10 / Heywood Creek / Portion of VDH-DSS condemnation notice 101, 4/1/1997 open in condemnation 044-054, 6/15/2022. Shortened in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.046
VAP-C06E_MNC01A98 / Monday Creek / Described in VDH-DSS condemnation notice 25A, 12/31/1996. Merged in the 2024 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.093
VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/15/2022, excluding tributary XEE. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.127
VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093E, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of VDH-DSS condemnation notice 93A, 4/1/1997 open on 044-093, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.167
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Northwest Branch Severn Creek not otherwise segmented Segment adjusted in the 2022 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.427

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem Southwest Branch Severn River MOBPH	5A	PCBs in Fish Tissue	2006	L	0.635
VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented. MOBPH	5A	PCBs in Fish Tissue	2006	L	3.258
VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.021
VAP-C06E_THC01A98 / Thorntons Creek / Described in VDH-DSS condemnation notice 044-054A, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.063
VAP-C06E_THC01B10 / Thorntons Creek / Portion of VDH-DSS condemnation notice 054, 4/1/1997 open in condemnation 044-054, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C06E_VGH01A98 / Vaughans Creek / Described in VDH-DSS condemnation notice 93B, 4/1/1997. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.121
VAP-C06E_VGH02A22 / Vaughans Creek / Portion of VDH-DSS Condemnation 044-093C, 6/15/2022 not included in 93B, 4/4/1997 MOBPH	5A	PCBs in Fish Tissue	2006	L	0.015
VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 6/15/2022. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.033
VAP-C06E_WET01B08 / Willetts Creek / Described in VDH-DSS Condemnation 044-054C, 2/15/2006. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.128
VAP-C06E_WTT01A08 / Whitaker Creek / Described in VDH-DSS Condemnation 044-093D, 6/15/2020 Size reduced in the 2022 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.037
VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River MOBPH	5A	PCBs in Fish Tissue	2012	L	0.003
VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed. MOBPH	5A	PCBs in Fish Tissue	2006	L	1.358

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FMB01A12 / Fort Monroe Beaches / All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	PCBs in Fish Tissue	2006	L	0.333
VAT-C08E_LCC01A08 / Little Creek & Harbor / Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor at mouth of Bay. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017 C (effective 20050308).	5A	PCBs in Fish Tissue	2006	L	1.064
VAT-C09E_BLB01A06 / Bulbeggar Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. No DSS condemnation or notice. DSS restricted condemnation #075-033 A (20220815)	5A	PCBs in Fish Tissue	2006	L	0.134
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.240
VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.726
VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.127
VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.069
VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.006

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.115
VAT-C10E_BAG02A10 / Bagwell Creek - Lower / Northwest of Town of Justisville. Lower DSS OPEN portion of Cr. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.101
VAT-C10E_BSL01A24 / Eastern Segment of Beasley Bay / Eastern Segment of Beasley Bay. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	5A	PCBs in Fish Tissue	2006	L	0.694
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper [DSS ADMIN] / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.114
VAT-C10E_DEP02A06 / Deep Creek - Lower / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (Restricted) shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.158
VAT-C10E_DEP03A08 / Deep Creek - Lower [No DSS] / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS Open shellfish condemnation 077-138 effective 20220615	5A	PCBs in Fish Tissue	2006	L	0.482
VAT-C10E_DIX01A08 / Dix Cove / Northwest of Town of Parksley. Adjacent to Bagwell & Hunting Creeks. Within CBP segment POCMH. Portion of DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.041
VAT-C10E_DOE01A22 / Doe Cr-Lower / Tributary of Chesapeake Bay off of Web Island in C10E-POCMH. DSS (OPEN) shellfish direct harvesting condemnation area # 077-138 (20220615).	5A	PCBs in Fish Tissue	2006	L	0.218
VAT-C10E_DOE01B22 / Doe Cr-Upper / Tributary of Chesapeake Bay off of Web Island in C10E-POCMH. DSS (Open) shellfish direct harvesting condemnation area # 077-138 (20220615).	5A	PCBs in Fish Tissue	2006	L	0.148

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_GLF01A06 / Guilford Creek - Upper [TMDL] / Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.152
VAT-C10E_GLF02A06 / Guilford Creek - Lower / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS shellfish Open condemnation direct harvesting condemnation # 076-176 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.106
VAT-C10E_GLF03A08 / Guilford Creek - Lower [No DSS] / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	0.460
VAT-C10E_GSH01A06 / Guard Shore Beach / In Old Cove (Beasley Bay). Located at Bailey Ridge, west of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	5A	PCBs in Fish Tissue	2006	L	0.019
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.050
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.194
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.648
VAT-C10E_ISB01A06 / Island Bay - [No DSS] / Between Russell Island & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	5A	PCBs in Fish Tissue	2006	L	0.953

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-06] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.214
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS Open condemnation # 076-167 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.283
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. DSS Open shellfish direct harvesting condemnation 076-167 effective 20220815	5A	PCBs in Fish Tissue	2006	L	0.858
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.257
VAT-C10E_MUD01B24 / Muddy Creek - Upper (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.044
VAT-C10E_MUD02A06 / Muddy Creek - Lower / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Open condemnation # 076-176 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C10E_MUD03A08 / Muddy Creek - Lower [No DSS] / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS Open Shellfishing Condemnation 076-176 (effective 20220815)	5A	PCBs in Fish Tissue	2006	L	0.052

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD04A24 / Muddy Creek - Lower (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Restricted condemnation # 076-176 C (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.014
VAT-C10E_PMC01A20 / Pompco Creek / Inlets of unnamed island on the eastern portion of Pompco Creek. Portion of CBP segment CB7PH.Shellfishing OPEN Condemnation (20220615).	5A	PCBs in Fish Tissue	2006	L	0.011
VAT-C10E_POC01A08 / Pocomoke Sound - Lower [C10 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Area adjacent to Holdens Creek. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	1.113
VAT-C10E_STR01A08 / Starling Creek / Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. From end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 075-118 M1 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.091
VAT-C10E_YOU01A06 / Young Creek / Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 C (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.072
VAT-C10E_YOU02A20 / Lower - Young Creek / Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS Open-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20220815).	5A	PCBs in Fish Tissue	2006	L	0.172
VAT-C10E_ZZZ01A06 / Unsegmented Bay Waters in C10E-CB7PH. / Evaluated non-segmented Bay Waters in C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	5A	PCBs in Fish Tissue	2006	L	1.405
VAT-C10E_ZZZ02A06 / Unsegmented estuaries in C10E-POCMH [No DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	5A	PCBs in Fish Tissue	2006	L	2.176

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_ZZZ03A22 / Unsegmented estuaries in C10E-POCMH [Restricted DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. DSS shellfish Open direct harvesting condemnation.	5A	PCBs in Fish Tissue	2006	L	0.113
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 A (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.063
VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.109
VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 Restricted (effective 20220615).	5A	PCBs in Fish Tissue	2006	L	0.150
VAT-C11E_CSX02A06 / Chesconessex Creek - N. Branch / Lower portion of Creek, including tidal tribs., from the end DSS condemnation # 079-112 downstream to mouth. Portion of CBP segment CB7PH. Part of area contains no DSS Condemnation remainder is OPEN 079-112 (20220615).	5A	PCBs in Fish Tissue	2006	L	1.737
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20220615). Portion of CBP segment CB7PH.	5A	PCBs in Fish Tissue	2006	L	0.030
VAT-C11E_CSX02B24 / Chesconessex Creek - Pompco Creek / Chesconessex Creek - N. Branch leading to Pompco Creek. Portion of CBP segment CB7PH. DSS Restricted Shellfish Growing Area 079-112 D effective 20220615	5A	PCBs in Fish Tissue	2006	L	0.043
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.091
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (Conditionally Approved) shellfish direct harvesting condemnation # 080-013 C20(effective 20220315)	5A	PCBs in Fish Tissue	2006	L	0.097

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_LTH01A00 / Leatherberry Creek / Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.070
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-169 A (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.069
VAT-C11E_MTC02A06 / Matchotank Creek - Lower / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS (Open) shellfish direct harvesting condemnation # 080-169 (effective 20220315)	5A	PCBs in Fish Tissue	2006	L	0.116
VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	5A	PCBs in Fish Tissue	2006	L	0.018
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of Admin DSS condemnation. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	5A	PCBs in Fish Tissue	2006	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to north of Cedar Cr. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 A (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.239
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Parker Cr downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	1.163
VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 080-013 D (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.016

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN02C22 / Onancock Creek Mainstem - Lower / Mainstem of Onancock Creek-Upper. From area near Cedar Creek downstream to Parker Cr. Portion of CBP segment CB7PH. DSS Conditionally Approved and Open shellfish direct harvesting condemnation # 080-013 C9 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.649
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.021
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.058
VAT-C11E_PMC01B20 / Lower Pompco Creek / Portions of Pompco Creek encompassing Tobacco Island and Rogue Island.	5A	PCBs in Fish Tissue	2006	L	0.934
VAT-C11E_PMC02B20 / Pompco Cr- SW Inlet of UT off of Rogue Island / Southwest Inlet of Pompco Creek trib at Tobacco Island. VDH DSS Restricted-Condemnation #079-112 (20220615).	5A	PCBs in Fish Tissue	2006	L	0.010
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish Restricted-condemnation direct harvesting condemnation # 080-013 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.035
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-013 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.086
VAT-C11E_TAR01A06 / Tarkill Creek / Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	0.190

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_ZZZ01A00 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (20220315).	5A	PCBs in Fish Tissue	2006	L	0.579
VAT-C11E_ZZZ01B22 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation # 080-013 (20220315).	5A	PCBs in Fish Tissue	2006	L	0.021
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.186
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS condemnation Conditionally Approved and Open # 081-119 C4 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.541
VAT-C12E_PUN02A06 / Pungoteague Creek - Lower / Located west of Town of Melfa. Lower portion of Pungoteague Cr. from Horse Hole Creek downstream to mouth. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 081-119 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.955
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.130
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 C (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.033
VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.070
VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.042

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.054
VAT-C12E_ZZZ01A00 / Unsegmented Bay Waters in C12E. / Evaluated non segmented portions of C12E, UT south of Pungoteague Cr. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	0.002
VAT-C13E_BCE01A08 / Back Creek / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation # 082-160 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.141
VAT-C13E_BOS01A08 / Boggs Gut / Southwest of Fairview Neck area. South shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 082-160 C17 (effective 20220315)	5A	PCBs in Fish Tissue	2006	L	0.034
VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting OPEN # 085-185 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.320
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.165
VAT-C13E_CHC01C10 / Church Creek - Middle-UT North Cove / In area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.059
VAT-C13E_CHC01D22 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation area # 085-185 (20221115)	5A	PCBs in Fish Tissue	2006	L	0.053
VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	5A	PCBs in Fish Tissue	2006	L	0.082

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CRA02A08 / Craddock Creek - Lower and UT / Most of Craddock Cr. excluding SF condemnation in upper creek. Including all tribs. Portion of CBP segment CB7PH.	5A	PCBs in Fish Tissue	2006	L	0.911
VAT-C13E_CRR01A08 / Curratuck Creek / Southwest of Fairview Neck area. Lower south shore tributary of middle Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove- Upper / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 F (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.026
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.038
VAT-C13E_MAG02A08 / McLean Gut - Lower / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS Conditionally Approved shellfish direct harvesting condemnation area # 082-160 (20220315).	5A	PCBs in Fish Tissue	2006	L	0.032
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.144
VAT-C13E_NAN01B08 / Nandua Creek - Lower Upper / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20220315).	5A	PCBs in Fish Tissue	2006	L	0.119
VAT-C13E_NAN02A06 / Nandua Creek - Lower / Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Boggs Gut downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation #082-160 effective 20220315	5A	PCBs in Fish Tissue	2006	L	3.254

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.243
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper [No TMDL-bact] / From confluence with Kelly Cove (RM 5.2) downstream to mainstem (outside of area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.131
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	2.121
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A &C(effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.126
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to Creekside Dr at end of SF restricted area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20201215).	5A	PCBs in Fish Tissue	2006	L	0.434
VAT-C13E_OCH02A06 / Occohannock Creek - Lower / Lower portion of Occohannock Creek and tidal tribs., from downstream of Youngs Pt. to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 084-043 (effective 20211115).	5A	PCBs in Fish Tissue	2006	L	2.574
VAT-C13E_OCH02B08 / Occohannock Creek - Middle Marina Area / In middle portion of Occohannock Creek, marina area of Davis Wharf. Portion of CBP segment CB7PH. DSS SEASONAL shellfish direct harvesting condemnation # 084-043 M1 (effective 20211115).	5A	PCBs in Fish Tissue	2006	L	0.034
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20211115).	5A	PCBs in Fish Tissue	2006	L	0.087

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_WHC01A06 / Warehouse Creek - Upper / Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMIN-PROHIB shellfish direct harvesting condemnation # 085-110 F (effective 20221115) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	5A	PCBs in Fish Tissue	2006	L	0.032
VAT-C13E_WHC01B10 / Warehouse Creek - Upper Middle (Admin Cond) / Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 085-110C (effective 20201115).	5A	PCBs in Fish Tissue	2006	L	0.166
VAT-C13E_WHC02A06 / Warehouse Creek - Lower / Including bend near Wellington Neck to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH.	5A	PCBs in Fish Tissue	2006	L	0.752
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 086-136 E (effective 20221015)	5A	PCBs in Fish Tissue	2006	L	0.039
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to end of TMDL boundary near Holloway Dr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.090
VAT-C14E_HUG01B22 / Hungars Creek - Upper / Upper portion of Hungars Creek from end of TMDL boundary near Holloway Dr to start of open shellfish area near Park Ln. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.080
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek near Park Ln upstream of confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	1.154
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.039

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.073
VAT-C14E_JAC01A06 / Jacobus Creek - Upper South Fork / West of Johnsontown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS (Admin - Prohibition) due to STP VA0023817 Outfall) shellfish direct harvesting condemnation # 086-136F (effective 20200915).	5A	PCBs in Fish Tissue	2006	L	0.028
VAT-C14E_JAC02A06 / Jacobus Creek - Upper Forks / West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 086-136 B (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.152
VAT-C14E_JAC03A06 / Jacobus Creek - Lower / West of Johnsontown. South shore trib. to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.187
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.155
VAT-C14E_MAT02A10 / Mattawoman Creek - Lower / South of Wilsonia Neck - mouth of Mattawoman Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	5A	PCBs in Fish Tissue	2006	L	0.357
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20210915).	5A	PCBs in Fish Tissue	2006	L	0.141
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. No DSS.	5A	PCBs in Fish Tissue	2006	L	0.153
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20221115).	5A	PCBs in Fish Tissue	2006	L	0.214

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.019
VAT-C14E_WHS03A20 / Upper Westerhouse Creek - North Branch& Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Open-condemnation # 085-199 (20221115).	5A	PCBs in Fish Tissue	2006	L	0.030
VAT-C14E_ZZZ01A00 / Unsegmented estuaries in C14E. / Evaluated non segmented portions of C14E - mouth of Matchotank & Hungars Crs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 20221015.	5A	PCBs in Fish Tissue	2006	L	0.849
VAT-C15E_CCB01A06 / Cape Charles Beach / Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. DSS (Administrative) shellfish harvesting condemnation 089-011 A (effective 20051202) which is present.	5A	PCBs in Fish Tissue	2006	L	0.061
VAT-C15E_CRS01A06 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20200815)	5A	PCBs in Fish Tissue	2006	L	2.138
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherrystone Inlet. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20200815).	5A	PCBs in Fish Tissue	2006	L	0.103
VAT-C15E_CRS02A20 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to the mouth of the inlet. Portion of CBP segment CB7PH. DSS shellfish OPEN # 088-139 (20200815).	5A	PCBs in Fish Tissue	2006	L	0.243
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20200815).	5A	PCBs in Fish Tissue	2006	L	0.093
VAT-C15E_KNS03A08 / Kings Creek - Lower Middle / From start of DSS marina area downstream to Cherrystone. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 088-139 (20200815) &Seasonal Condemnation M1.	5A	PCBs in Fish Tissue	2006	L	0.153

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_KNS03B22 / Kings Creek - Lower Middle / DSS marina area DSS (Admin) shellfish direct harvesting condemnation # 088-139 (20200815) Section B. Portion of CBP segment CB7PH	5A	PCBs in Fish Tissue	2006	L	0.048
VAT-C15E_KNS04A22 / Kings Creek - Lower Middle / From Townfield Dr to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation OPEN # 088-139 (20200815).	5A	PCBs in Fish Tissue	2006	L	0.046
VAT-C15E_ZZZ01A08 / Unsegmented estuaries in C15E. / Evaluated non segmented portions of C15E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	0.605
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 B (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	5A	PCBs in Fish Tissue	2006	L	0.056
VAT-C16E_CCH02A00 / Cape Charles Harbor - Lower / From 1/2 distance to mouth (RM 0.23) downstream to mouth. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 A (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	5A	PCBs in Fish Tissue	2006	L	0.060
VAT-C16E_ELL01A24 / Elliotts Creek / Elliotts Creek. Portion of CBP segment CB7PH. Admin. Condemned - DSS Cond # 090-152 B, 20220915	5A	PCBs in Fish Tissue	2006	L	0.080
VAT-C16E_KPT01A06 / Kiptopeke Beach / Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation present.	5A	PCBs in Fish Tissue	2006	L	0.044
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20220915).	5A	PCBs in Fish Tissue	2006	L	0.059
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS Open shellfish harvesting condemnation # 090-152 (effective 20220915)	5A	PCBs in Fish Tissue	2006	L	0.124

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C16E_OPC02A00 / Old Plantation Creek - Lower / Lower portion of Old Plantation Creek, from approx. Red Bank (RM 2.0) downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 090-152 (20220915).	5A	PCBs in Fish Tissue	2006	L	0.940
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. No DSS Shellfish Condemnation	5A	PCBs in Fish Tissue	2006	L	0.066

Chesapeake Bay and Tidal Tributaries

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:	1546.724		

Sources: Atmospheric Deposition - Toxics; Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-19-SF XEU - Prentice Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 022C, 2/27/1997

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 015-022E, 5/15/2022

This tributary of Prentice Creek was included on the 1998 303(d) list due to condemnation 022C, 2/27/1997. The bacteria TMDL for the 1998 impairment was completed as part of the Dividing Creek and Prentice Creek Bacteria TMDL report; the TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

During the 2010 cycle, the condemnation expanded and merged with the 1998 mainstem condemnation. The 1998 segment is considered Category 4A for the Shellfish Use; the TMDL for the expanded area is addressed in fact sheet C01E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997. CB5MH	4A	Fecal Coliform	1998	L	0.011

XEU - Prentice Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.011		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-21-SF XDL - Great Wicomico River, UT (Big Fleets Pond)

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-190A, 8/15/2020

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 011-190A, 8/15/2020

The Shellfish TMDL was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009. The segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described VDH-DSS condemnation notice 011-190A, 8/15/2020. CB5MH	4A	Fecal Coliform	2002	L	0.018

XDL - Great Wicomico River, UT (Big Fleets Pond)

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.018		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-22-SF Indian Creek and Pitman Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-057A, 12/13/2006 (excludes administrative portion)

Cause City/County: Lancaster County; Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnations 016-057A, 12/15/2022 (excluding admin)

During the 1998 cycle, Pitmans Cove and Indian Creek were assessed as impaired of the Shellfish Consumption Use due to VDH-DSS condemnations 57A and 57C, 3/5/1997. The condemnations have since grown and shrunk several times. At their maximum extent (016-057A, 1/28/2005 and 12/13/2006), the condemnations had merged. The Shellfish TMDL was developed for this maximum extent and was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

The condemnation shrunk and split again in the 2016 cycle and 0.0400 mi2 was partially delisted. Condemnation M2 extended upstream in the 2018 cycle and the segments were split. (VDH-DSS Condemnation 016-067A was entirely administratively condemned in the 2018 cycle and was not included.)

The condemnations merged again in the 2020 cycle.

During the 2024 cycle, the condemnation expanded downstream and matched the TMDL extent.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / Portion of VDH-DSS condemnation notice 016-057A, 12/13/2006 that is not administratively condemned (12/15/2022). Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.379

Indian Creek and Pitman Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.379		

Sources: Agriculture; Municipal Point Source Discharges; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-23-SF XUC - Dividing Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 015-022G, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 015-022G, 5/15/2022

The cove was included on the 1998 303(d) list as impaired for the Shellfish Use due to condemnation 22B, 2/27/1997. The bacteria TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

However, the area was later reopened for harvest.

It was relisted in the 2020 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022G, 5/15/2022. CB5MH	4A	Fecal Coliform	2020	L	0.013

XUC - Dividing Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.013		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-24-SF Dymer Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 24A, 3/5/1997, excluding Chases Cove.

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 016-024A, 12/15/2022 within mainstem Dymer Creek and within Johnson Creek.

The upper portion of Dymer Creek was included on the 1998 303(d) list due to VDH condemnation 24A, 3/5/1997. During the 2006 cycle, the condemnation expanded downstream into Chases Cove. However, during the 2008 cycle, the condemnations shrank and split into two separate condemnations - 016-024A Dymer Creek and 016-024F, Chases Cove. The Chases Cove impairment was addressed in fact sheet C01E-48-SF.

The Shellfish TMDL for Dymer Creek was developed during the 2010 cycle. The TMDL addressed the maximum extent of the condemnation, which occurred on 1/28/2005. The segment is considered Category 4A.

The impairment expanded in the 2020 cycle to address the portion of the Chases Cove condemnation that expanded into mainstem Dymer Creek.

The condemnation expanded to the TMDL extent in the 2024 cycle and incorporated Johnson Creek again.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 24A, 3/5/1997, excluding Chases Cove. Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.309

Dymer Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.309		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-27-BAC Tabbs Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-133A, 12/13/2006

Cause City/County: Lancaster County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2012 cycle, the upper portion of Tabbs Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 2/12 at 7-TBS001.69.

The area is within the study area for the Tabbs Creek Shellfish Bacterial TMDL, which was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. Implementation of the TMDL is expected to cause attainment of the Recreation impairment; therefore, it is considered nested (Category 4A).

In the 2020 cycle, the size was corrected to match the shellfish TMDL.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A and -133B, 12/15/2022 Size reduced in the 2022 cycle. CB5MH	4A	Enterococcus	2012	L	0.180
VAP-C01E_TBS01C22 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 open on 12/15/2022. Merged in the 2024 cycle. CB5MH	4A	Enterococcus	2020	L	0.054

Tabbs Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.234		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-27-SF Tabbs Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-133A, 12/13/2006

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 016-133A and -133B, 12/15/2022

A portion of Tabbs Creek was impaired of the Shellfish Consumption Use during the 1998 cycle due to VDH-DSS Shellfish Condemnation Notice 133, 3/5/1997.

During the 2010 cycle, the TMDL was developed for the maximum extent (016-133A, 12/13/2006.). It was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

The condemnation has expanded and contracted over multiple cycles. Open/seasonally condemned areas have been partially delisted (Category 2C). Condemned areas are considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A and -133B, 12/15/2022 Size reduced in the 2022 cycle. CB5MH	4A	Fecal Coliform	1998	L	0.18

Tabbs Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.18		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-28-SF Antipoison Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188A, 12/15/2022

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 017-188A, 12/15/2022

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. However, during the 2008 cycle, the condemnation was reduced and split into three condemnations. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 and are addressed in fact sheets C01E-50-SF and C01E-51-SF.

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned areas within Antipoison Creek shrunk during the 2010 cycle. The non-condemned waters are considered Category 2C. The condemned areas are considered Category 4A.

The condemnation has continued to vary in size.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/15/2022. CB5MH	4A	Fecal Coliform	1998	L	0.083

Antipoison Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.083		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-29-BAC Indian Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 016-057A and -057F, 12/13/2006

Cause City/County: Lancaster County; Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: In 2014, Indian Creek was assessed as not supporting for the Recreation Use due to an enterococci exceedance rate of 4/36 at station 7-IND002.26.

The bacterial TMDL for Indian Creek was developed by the DEQ and approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. Allocations were given to point and nonpoint sources. Indian Creek is considered a Category 4A water.

The exceedance rate was 5/35 in the 2020 cycle.

New bacteria criteria were implemented in the 2022 cycle. The segment remains impaired due to two or more STV exceedances in the same 90-day period with <10 samples.

There was insufficient information to assess the Recreation Use in the 2024 cycle (no STV exceedances but insufficient data to analyze geomean); the impairment will be carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / Portion of VDH-DSS condemnation notice 016-057A, 12/13/2006 that is not administratively condemned (12/15/2022). Merged in the 2024 cycle. CB5MH	4A	Enterococcus	2014	L	0.379
VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/15/2022. CB5MH	4A	Enterococcus	2014	L	0.037
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057E, 12/15/2022. CB5MH	4A	Enterococcus	2014	L	0.015

Indian Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.431		

Sources: Agriculture; Municipal Point Source Discharges; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-30-SF Dymer Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024B, 12/30/2015

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 016-024A, 12/15/2022

The Shellfish TMDL for Dymer Creek was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

The Chases Cove and Dymer Creek, UT condemnations merged in the 2020 cycle.

The condemnations merged with the expanded Dymer Creek condemnation in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015. CB5MH	4A	Fecal Coliform	2016	L	0.018

Dymer Creek, UT

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.018		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-31-SF Georges Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 016-024E, 1/28/2005.

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS condemnation notice 016-024B, 12/15/2022

A portion of Georges Cove was impaired of the Shellfish Use in the 1998 cycle due to VDH-DSS condemnation 024B, 3/5/1997. It was listed under the name "Dymer Creek".

The condemnation had expanded during subsequent cycles. The Shellfish TMDL was developed during the 2010 cycle and was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The TMDL addressed the maximum extent of the impairment, which was 1/28/2005. However, the condemnation was rescinded on 12/28/2007 and the area was reopened for harvest and Georges Cove was delisted (Category 2C).

A portion was relisted in the 2020 cycle. (Category 4A.)

The condemnation expanded in the 2024 cycle and extends past the TMDL extent. The expansion is addressed separately.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GEO01B20 / Georges Cove / Described in VDH-DSS condemnation notice 016-024E, 1/28/2005. Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	2020	L	0.034

Georges Cove

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.034		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-32-SF Lees Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024C, 1/28/2005

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 016-024C, 12/15/2022

The TMDL for this portion of Lees Cove was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. It was later delisted.

It was relisted in the 2020 cycle (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005 CB5MH	4A	Fecal Coliform	2020	L	0.015

Lees Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.015		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-33-SF Betts Mill Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 013-089B, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 013-089B, 5/15/2022

The condemnation shrank in the 2022 cycle and the lower portion became seasonally condemned and was partially delisted.

The condemnation expanded to the previous extent during the 2024 cycle.

The impairment is nested within the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. It is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/15/2022. Merged in the 2024 cycle. CB5MH	4A	Fecal Coliform	2004	L	0.082

Betts Mill Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.082		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-34-SF Lees Cove

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 016-024C, 12/15/2022 not included in 016-024C, 1/28/2005.

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 016-024C, 12/15/2022

The TMDL for an upstream portion of Lees Cove was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

Lees Cove was relisted in the 2020 cycle. This portion is nested within the upstream TMDL (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024C, 12/15/2022 not impaired in 016-024C, 1/28/2005. CB5MH	4A	Fecal Coliform	2020	L	0.01

Lees Cove

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.01		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-36-SF Harpers Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188E, 12/15/2022

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 017-188E, 12/15/2022

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. It was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

Harpers Creek was relisted in the 2020 cycle and is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/15/2022. CB5MH	4A	Fecal Coliform	2020	L	0.022

Harpers Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.022		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-40-SF Coles Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-089C, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Number 013-089C, 5/15/2022

The impairment is nested within the Tipers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/15/2022. CB5MH	4A	Fecal Coliform	2008	L	0.019

Coles Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.019		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-42-SF Jarvis Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 015-022C, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 015-022C, 5/15/2022

The condemnation expanded in the 2024 cycle.

The impairment is nested within the nearby Prentice Creek Shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022C, 5/15/2022. Expanded in the 2024 cycle. CB5MH	4A	Fecal Coliform	2016	L	0.029

Jarvis Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.029		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-48-SF Chases Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-024D, 12/30/2015

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 016-024A, 12/15/2022

The upper portion of Dymer Creek was included on the 1998 303(d) list due to VDH condemnation 24A, 3/5/1997. During the 2006 cycle, the condemnation expanded downstream into Chases Cove. However, during the 2008 cycle, the condemnations shrank and split into two separate condemnations - 016-024A Dymer Creek and 016-024F, Chases Cove. Since Chases Cove was first impaired during the 2006 cycle, the TMDL was due in 2018.

The Shellfish TMDL for Dymer Creek (which included Chases Cove) was developed during the 2010 cycle. The TMDL addressed the maximum extent of the condemnation, which occurred on 1/28/2005.

The condemnation subsequently shortened and split. The open area was partially delisted (Cat 2C).

The Chases Cove and Dymer Creek, UT condemnations merged and expanded into mainstem Dymer Creek in the 2020 cycle.

The condemnations merged with the expanded Dymer Creek condemnation in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015 CB5MH	4A	Fecal Coliform	2006	L	0.023

Chases Cove

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.023		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-50-SF Antipoison Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188B, 12/15/2022.

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 017-188B, 12/15/2022

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 (also see C01E-51-SF).

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned area is considered Category 4A.

It has vacillated in size.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in VDH-DSS condemnation notice 017-188B, 12/15/2022. CB5MH	4A	Fecal Coliform	2006	L	0.032

Antipoison Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.032		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-51-SF Antipoison Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 017-188C, 12/15/2022

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 017-188C, 12/15/2022

The upper portion of Antipoison Creek was included on the 1998 303(d) list due to condemnation 188, 6/3/1996. During the 2006 cycle the condemnation expanded considerably. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018 (also see C01E-50-SF).

The Shellfish TMDL for Antipoison Creek was developed for Antipoison Creek in its entirety to match the maximum extent of condemnation, which occurred on 7/13/2004. The condemned areas are considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/15/2022. CB5MH	4A	Fecal Coliform	2006	L	0.005

Antipoison Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.005		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-55-BAC Head River Branch

Cause Location: Tidal extent of Head River Branch downstream to mouth at Bush Mill Stream.

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2012 cycle, Head River Branch was impaired of the Recreation Use due to an enterococci exceedance rate of 7/12 at 7-HRB000.54, which is located at Route 642.

The area is within the study area for the Great Wicomico River Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. The bacterial impairment is considered nested.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream. CB5MH	4A	Enterococcus	2012	L	0.02

Head River Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-59-BAC Dividing Creek and XDB - Dividing Creek, UT

Cause Location: Tributary XDB and the Dividing Creek mainstem within VDH Condemnation Number 015-022A, 5/15/2021

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2012 cycle, upper tidal Dividing Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 3/4 at 7-XDB000.08. The exceedance rate was 7/24 during the 2016 cycle.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

The area is within the study area for the Dividing Creek Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. Implementation of the TMDL is expected to address the Recreation Use impairment; therefore, it is considered nested.

The size has been changed in multiple cycles to remain coincident with the shellfish condemnation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01A98 / Dividing Creek / Dividing Creek and XDB - Dividing Creek, UT within VDH-DSS condemnation 015-022A, 5/15/2022 (excludes Natty Point Cove and XES). Size increased in the 2024 cycle. CB5MH	4A	Enterococcus	2012	L	0.181

Dividing Creek and XDB - Dividing Creek, UT

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.181		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-64-BAC Bush Mill Stream

Cause Location: Tidal extent of Bush Mill Stream downstream to mouth at the Great Wicomico River.

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2012 cycle, Bush Mill Stream was impaired of the Recreation Use due to an enterococci exceedance rate of 4/12 at 7-BMS002.08, which is located at Route 201.

The area is within the study area for the Great Wicomico River Shellfish Bacterial TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007. The bacterial impairment is considered nested.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River CB5MH	4A	Enterococcus	2012	L	0.095

Bush Mill Stream

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.095		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-65-BAC Cockrell Creek

Cause Location: Upper Cockrell Creek as described in VDH-DSS condemnation 012-002B, 9/15/2022

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: New bacteria criteria were implemented in the 2022 cycle. Upper Cockrell Creek is impaired due to two or more enterococci STV exceedances in the same 90-day period with <10 samples at 7-COC001.61. The station is located at the dock at the end of Main Street in Reedville.

During the 2024 cycle, there was insufficient information to assess station 7-COC001.61 (no STV exceedances but insufficient data to analyze geomean.) The impairment is carried over.

The Cockrell Creek Bacterial TMDL addressed Recreation Use impairments within condemned areas, therefore the impairment is considered Category 4A. The TMDL was approved by the EPA on 12/8/2009 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/15/2022. CB5MH	4A	Enterococcus	2022	L	0.612

Cockrell Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.612		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-66-SF Towles Creek

Cause Location: Described in VDH-DSS condemnation 014-123B, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 014-123B, 5/15/2022

The Towles Creek shellfish impairment is nested in the nearby Mill Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123B, 5/15/2022. CB5MH	4A	Fecal Coliform	2022	L	0.027

Towles Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.027		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-68-SF Prentice Creek, UT

Cause Location: Described in VDH-DSS Condemnation 015-022F, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 015-022F, 5/15/2022

The UT was impaired in the 2022 cycle. It is nested in the adjacent Prentice Creek, UT TMDL. The TMDL was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT02C22 / Prentice Creek, UT / Described in VDH-DSS condemnation 015-022F, 5/15/2022 CB5MH	4A	Fecal Coliform	2022	L	0.004

Prentice Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.004		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-70-SF Long Creek

Cause Location: Described in VDH-DSS Condemnation 016-057D, 12/13/2006

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 016-057B, 12/15/2022

Long Creek was originally assessed as impaired of the Shellfish Consumption Use in the 2008 cycle due to VDH-DSS Shellfish Condemnation Number 016-057D, 12/13/2006. The TMDL was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The condemnation was rescinded during the 2010 cycle; therefore Long Creek was delisted.

It was relisted in the 2022 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006. CB5MH	4A	Fecal Coliform	2022	L	0.017

Long Creek

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.017		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-71-SF Hunts Cove

Cause Location: Described in VDH-DSS Condemnation 016-024D, 12/15/2022

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 016-024D, 12/15/2022

Hunts Cove was impaired of the Shellfish Consumption Use during the 2010 cycle due to VDH-DSS Shellfish Condemnation 016-057B, 12/13/2006. The TMDL was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. However, the condemnation was rescinded and was open for harvest on 12/28/2007; Hunts Cove was delisted.

It was relisted in the 2022 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005. CB5MH	4A	Fecal Coliform	2022	L	0.04

Hunts Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.04		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-72-EBTOX Great Wicomico River

Cause Location: 1/2 mile upstream of station 7BGWR005.26 to 1/2 mile downstream of station 7-GWR004.70.

Cause City/County: Northumberland County

Use(s): Aquatic Life

Causes(s)/VA Category: Sediment Bioassay/5A

Cause Description: In 2007, Coastal 2000 estuarine probmon station 7-GWR004.70 indicated impairment. Because the scenario attributed the benthic alteration to poor water quality, it was considered support of the Chesapeake Bay impairments and was not considered a separate impairment.

However, during the 2024, the dissolved oxygen within the segment was acceptable. In addition, estuarine probabilistic monitoring was also conducted at nearby station 7BGWR005.26 in 2021. This station also indicated benthic alteration and was assigned to scenario 1 (evidence of chemical contaminant-induced degradation.) The area around both stations is being listed in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR02C06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/15/2022 CB5MH	5A	Sediment Bioassay	2024	L	0.008
VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS Condemnation 013-089M3, 5/15/2022 CB5MH	5A	Sediment Bioassay	2024	L	0.008
VAP-C01E_GWR02F24 / Great Wicomico River / 1/2 mile upstream of station 7BGWR005.26 to 1/2 mile downstream of station 7-GWR004.70. CB5MH	5A	Sediment Bioassay	2024	L	0.542

Great Wicomico River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Sediment Bioassay - Total Impaired Size by Water Type:	0.557		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Contaminated Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-73-SF Great Wicomico River, UT

Cause Location: Described in VDH-DSS condemnation 013-089H, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 013-089H, 5/15/2022

The impairment was nested in the Great Wicomico River Shellfish TMDL, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 5/15/2022 CB5MH	4A	Fecal Coliform	2024	L	0.033

Great Wicomico River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.033		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-74-SF Tipers Creek

Cause Location: Portion of VDH-DSS condemnation notice 013-089E, 5/15/2022 not included in 89C, 5/28/1997.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 5/15/2022

The impairment is nested within the TMDL for the upstream portion of Tipers Creek, which was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TIP02A08 / Tipers Creek / Portion of VDH-DSS condemnation notice 013-089E, 5/15/2022 not included in 89C, 5/28/1997. Expanded in the 2024 cycle. CB5MH	4A	Fecal Coliform	2024	L	0.039

Tipers Creek

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.038		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-75-SF Horn Harbor

Cause Location: Described in VDH-DSS condemnation notice 013-089G, 5/15/2022.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 013-089G, 5/15/2022

The impairment is nested within the Tipers Creek Shellfish TMDL in the Great Wicomico River Watershed TMDL Report, which was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HHB01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 013-089G, 5/15/2022. CB5MH	4A	Fecal Coliform	2024	L	0.071

Horn Harbor

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.071		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-76-SF Penny Creek

Cause Location: Described in VDH-DSS Condemnation 013-220E, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 013-220E, 5/20/2022

Penny Creek was listed for the Shellfish Consumption Use in the 2024 cycle. The impairment is considered nested within the nearby Warehouse Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220E, 5/15/2022 CB5MH	4A	Fecal Coliform	2024	L	0.009

Penny Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.009		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-77-SF Bailey Prong

Cause Location: Described in VDH-DSS condemnation 013-220F, 5/15/2022.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 013-220F, 5/15/2022

Bailey Prong was impaired of the Shellfish Use in the 2024 cycle.. The impairment is considered nested within the nearby Whays Creek Shellfish TMDL. The TMDL was developed as part of the Great Wicomico River Watershed TMDL report and was approved by the EPA on 6/8/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220F, 5/15/2022. CB5MH	4A	Fecal Coliform	2024	L	0.052

Bailey Prong

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.052		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-78-SF XEV - Mill Creek, UT

Cause Location: Described in VDH-DSS condemnation 014-123C, 5/15/2022.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 014-123C, 5/15/2022

During the 2024 cycle, tributary XEV was impaired of the Shellfish Use The impairment is nested within the nearby Mill Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/15/2022. CB5MH	4A	Fecal Coliform	2024	L	0.006

XEV - Mill Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.006		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-79-SF Cloverdale Creek

Cause Location: Described in VDH-DSS condemnation notice 014-124A, 6/2/1997.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 014-124B, 4/15/2021

Cloverdale Creek was included on the 1998 303(d) list due to VDH condemnation 124A, 6/2/1997. The TMDL for Cloverdale Creek was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. The creek has been listed and delisted several times. It was re-listed in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_CLE01A98 / Cloverdale Creek / Described in VDH-DSS condemnation notice 014-124A, 6/2/1997. CB5MH	4A	Fecal Coliform	2024	L	0.02

Cloverdale Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-80-SF Ball Creek

Cause Location: Described in VDH-DSS condemnation notice 014-124A, 4/15/2021.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 014-124A, 4/15/2021

Upstream Ball Creek was listed in the 1998 cycle due to VDH-DSS condemnation 014-124B, 6/2/1997. Although the segment was reopened for harvest, the bacteria TMDL was completed for the segment and was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008.

A portion was relisted in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BAL01B20 / Ball Creek / Described in VDH-DSS condemnation notice 014-124A, 4/15/2021. Size decreased in the 2024 cycle. CB5MH	4A	Fecal Coliform	2024	L	0.039

Ball Creek

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.039		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-81-SF Jarvis Creek

Cause Location: The non-administrative portion of VDH-DSS Condemnation 015-022H, 5/15/2022

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Non-administrative portion of VDH-DSS Condemnation 015-022H, 5/15/2022

The cove was impaired of the Shellfishing Use in the 2024 cycle. It is proposed for nesting in the nearby Prentice Creek Shellfish TMDL, which was approved by the EPA on 6/28/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_JAR02B24 / Jarvis Creek / Non-administrative portion of VDH-DSS Condemnation 015-022H, 5/15/2022. CB5MH	4A	Fecal Coliform	2024	L	0.037

Jarvis Creek

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.037		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-82-SF Georges Cove

Cause Location: Portion of VDH-DSS Condemnation 016-024B, 112/15/2022 not included in 016-024E, 1/28/2005

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 016-024B, 12/15/2022

An upstream portion of Georges Cove has been previously impaired for the Shellfishing Use. The TMDL was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

That existing condemnation on Georges Cove expanded in the 2024 cycle and now extends past the TMDL extent. This expansion is proposed for nesting in the upstream TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GEO02B20 / Georges Cove / Portion of VDH-DSS Condemnation 016-024B, 112/15/2022 not included in 016-024E, 1/28/2005. CB5MH	4A	Fecal Coliform	2024	L	0.02

Georges Cove

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-83-SF Ashleys Cove

Cause Location: Described in VDH-DSS condemnation 016-024E, 12/15/2022

Cause City/County: Lancaster County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 016-024E, 12/15/2022

Although Ashleys Cove has never been 303(d) listed for Shellfish Consumption, the area was closed temporarily in VDH-DSS condemnation 016-024D, 1/28/2005. Therefore, it was included in the Dymer Creek Shellfish TMDL which was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009.

This portion was listed as impaired in the 2024 cycle (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ASH01B24 / Ashleys Cove / Described in VDH-DSS condemnation 016-024E, 12/15/2022 CB5MH	4A	Fecal Coliform	2024	L	0.03

Ashleys Cove

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.029		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01E-84-SF Bells Creek

Cause Location: Described in VDH condemnation 016-057B, 12/13/2006.

Cause City/County: Northumberland County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 016-057C, 12/15/2022

Bells Creek was previously assessed as impaired of the Shellfish Consumption Use due to VDH-DSS Shellfish Condemnation Number 016-057B, 12/13/2006. The TMDL was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The condemnation was rescinded during the 2010 cycle and Bells Creek was delisted.

It was relisted in the 2024 cycle (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006. CB5MH	4A	Fecal Coliform	2024	L	0.042

Bells Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.042		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01R-01-BAC Crabbe Mill Stream

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

Cause City/County: Northumberland County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: During the 2012 cycle, Crabbe Mill Stream was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-CMS002.00, which is located at Route 201.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Although Crabbe Mill Stream is within the TMDL study area for the Great Wicomico River Shellfish Bacterial TMDL, there is a VPDES discharger which drains to the stream that was not addressed in the TMDL; therefore, the impairment cannot be nested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5A	Escherichia coli (E. coli)	2012	L	3.91

Crabbe Mill Stream

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			3.91

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01R-01-DO Crabbe Mill Stream

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

Cause City/County: Northumberland County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5C

Cause Description: During the 2012 cycle, Crabbe Mill Stream was impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 3/14 at 7-CMS002.00. Monitoring at 7-CMS000.12 was acceptable (1/17).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5C	Dissolved Oxygen	2012	L	3.91

Crabbe Mill Stream

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			3.91

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01R-01-PH Crabbe Mill Stream

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

Cause City/County: Northumberland County

Use(s): Aquatic Life

Causes(s)/VA Category: pH/5C

Cause Description: During the 2012 cycle, Crabbe Mill Stream was impaired of the Aquatic Life Use due to pH violation rates of 2/17 at 7-CMS000.12 and 2/14 at 7-CMS002.00.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_CMS01A00 / Crabbe Mill Stream / From its headwaters to the tidal limit.	5C	pH	2012	L	3.91

Crabbe Mill Stream

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
pH - Total Impaired Size by Water Type:			3.91

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C01R-02-BEN Dymer Creek

Cause Location: The nontidal mainstem of Dymer Creek

Cause City/County: Lancaster County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: During the 2014 cycle, nontidal Dymer Creek was impaired of the Aquatic Life Use due to an impacted benthic community at 7-DYM003.52, which is located at the Route 200 bridge.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01R_DYM01A14 / Dymer Creek / Headwaters to tidal limit	5A	Benthic Macroinvertebrates Bioassessments	2014	L	2.07

Dymer Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.07

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C02R-03-HG Dragon Swamp/Piankatank River

Cause Location: Dragon Swamp and the Piankatank River from the headwaters near the State Route 620 bridge downstream to Deep Point Boat Landing (Rt. 606) across from Piankatank Shores.

Cause City/County: Essex County; Gloucester County; King And Queen County; Middlesex County

Use(s): Fish Consumption

Causes(s)/VA Category: Mercury in Fish Tissue/5A

Cause Description: Dragon Swamp and the Piankatank River are considered impaired of the Fish Consumption Use.

A portion of this area was considered fully supporting but threatened in 2002 based on DEQ monitoring which has indicated elevated levels of mercury (see below). VDH subsequently issued a fish consumption advisory and the stream was downgraded to impaired.

In July 2005, VDH extended the Fish Consumption Advisory boundary to include the entire length of Dragon Swamp from the headwaters near Rt. 620 downstream to Deep Point Boat Landing. No more than two meals/month of largemouth bass are recommended.

Mercury exceedances at: 7-DRN001.43 7-DRN003.40 7-DRN010.48 7-DRN015.09 7-DRN023.41 7-PNK017.47 7-PNK020.42

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	5A	Mercury in Fish Tissue	2004	L	0.823
VAP-C02R_DRN01A98 / Dragon Swamp / From Route 602 (rm 15.08) to the tidal limit.	5A	Mercury in Fish Tissue	2006	L	12.370
VAP-C02R_DRN02A04 / Dragon Swamp / Headwaters near Route 620 to Exol Swamp.	5A	Mercury in Fish Tissue	2006	L	15.240
VAP-C02R_DRN02B20 / Dragon Swamp / Exol Swamp to Route 602 (rm 15.08).	5A	Mercury in Fish Tissue	2006	L	4.360
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	5A	Mercury in Fish Tissue	2008	L	0.062
VAP-C03E_PNK01A02 / Piankatank River / Downstream limit of VDH-DSS condemnation SFC 035-076A, 6/10/1997 to Deep Point Boat Landing. PIAMH	5A	Mercury in Fish Tissue	2004	L	0.558
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997. PIAMH	5A	Mercury in Fish Tissue	2004	L	1.280

Dragon Swamp/Piankatank River

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Mercury in Fish Tissue - Total Impaired Size by Water Type:	2.722		31.97

Sources: Atmospheric Deposition - Toxics; Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C02R-04-BAC Exol Swamp

Cause Location: Exol Swamp from its perennial headwaters to mouth at Dragon Swamp

Cause City/County: King And Queen County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2016 cycle, Exol Swamp was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-EXE000.81, which is located at the Route 614 bridge.

Exol Swamp is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment is considered nested (Category 4A.)

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_EXE01A06 / Exol Swamp / Perennial headwaters downstream to mouth at Dragon Swamp.	4A	Escherichia coli (E. coli)	2016	L	11.35

Exol Swamp

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			11.35

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C02R-11-BAC XFB - Dragon Swamp, UT

Cause Location: Headwaters to mouth at Dragon Swamp

Cause City/County: Middlesex County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2018 cycle, the tributary was impaired of the Recreation Use due to an E. coli exceedance rate of 6/11 at 7-XFB000.13, which is located at Route 603.

The stream is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment is considered nested (Category 4A.)

New bacteria criteria were implemented in the 2022 cycle. No new data were collected, but re-analysis of the previous data confirmed that the segment remains impaired due to two or more STV exceedances in the same 90-day period with <10 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_XFB01A18 / XFB - Dragon Swamp, UT / Headwaters to mouth at Dragon Swamp	4A	Escherichia coli (E. coli)	2018	L	1.47

XFB - Dragon Swamp, UT

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.47

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C02R-12-BAC Dragon Swamp

Cause Location: Dragon Swamp from the confluence with Exol Swamp downstream to the Route 602 bridge.

Cause City/County: King And Queen County; Middlesex County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2020 cycle, Dragon Swamp from Exol Swamp to Route 602 was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-DRN015.51 (Route 602.)

Dragon Swamp is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment is considered nested (Category 4A.)

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_DRN02B20 / Dragon Swamp / Exol Swamp to Route 602 (rm 15.08).	4A	Escherichia coli (E. coli)	2020	L	4.36

Dragon Swamp

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			4.36

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C02R-13-BAC Dragon Swamp

Cause Location: Mainstem Dragon Swamp from Route 602 (rm 15.08) downstream to the tidal limit.

Cause City/County: Gloucester County; King And Queen County; Middlesex County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2024 cycle, this segment of Dragon Swamp was impaired of the Recreation Use due to E. coli exceedances at 2-DRN010.48, which is located at the New Dragon Bridge. There were two or more STV exceedances in the same 90-day period.

Dragon Swamp is located within the study area for the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the 3/23/2007. As the TMDL sets bacteria reductions for the watershed, the Recreation Use impairment is proposed for nesting (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02R_DRN01A98 / Dragon Swamp / From Route 602 (rm 15.08) to the tidal limit.	4A	Escherichia coli (E. coli)	2024	L	12.37

Dragon Swamp

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			12.37

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Wastes from Pets; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-01-BAC Harpers Creek

Cause Location: Tidal limit to downstream extent of VDH-DSS condemnation 076B, 6/10/1997

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2010 cycle, tidal Harpers Creek was assessed as not supporting of the Recreation Use due to a enterococci exceedance rate of 7/10 at 7-HRP001.15, which is located at Rt. 198.

This impairment is considered nested within the area addressed by the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

New bacteria criteria were implemented in the 2022 cycle.

During the 2024 cycle, there was insufficient information at 7-HRP001.15 to re-assess (one STV exceedance in one or multiple 90-day periods but insufficient data to analyze geomean); therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	4A	Enterococcus	2010	L	0.062

Harpers Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.062		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-02-SF Piankatank River / Harpers Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnations 076A and 076B, 6/10/1997.

Cause City/County: Gloucester County; Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnations 035-076A and -076E, 12/15/2022

During the 1998 cycle, the tidal Piankatank River above Anderson Point and Harpers Creek were included on the 303(d) list due to VDH condemnations 76A and 76B (6/10/1997), respectively.

The Upper Piankatank River Shellfish TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

The condemnations have vacillated in size. It shrank and split in the 2020 cycle and matched the extent of the 1997 condemnations.

The condemnations merged and expanded past the TMDL extent in the 2024 cycle. The expansion will be addressed separately.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	4A	Fecal Coliform	1998	L	0.823
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	4A	Fecal Coliform	1998	L	0.062
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997. PIAMH	4A	Fecal Coliform	1998	L	1.280

Piankatank River / Harpers Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	2.164		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-04-BAC Ferry Creek

Cause Location: The tidal portion of Ferry Creek.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2010 cycle, Ferry Creek was assessed as impaired of the Recreation Use due to an enterococci exceedance rate of 2/10 at 7-FER000.92, which is located at a private dock off of Route 608.

The impairment is nested in the Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Segment adjusted in the 2020 cycle to represent that the entire portion of Ferry Creek is impaired.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FER01A98 / Ferry Creek / Described in VDH-DSS condemnation notice 035-076B, 2/15/2020. PIAMH	4A	Enterococcus	2010	L	0.010
VAP-C03E_FER01B20 / Ferry Creek / Non-Admin Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022 PIAMH	4A	Enterococcus	2010	L	0.115

Ferry Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.124		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-05-SF Wilton Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126, 3/2/1993

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 034-126A, 12/15/2022

This segment was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 126, 3/2/1993. The "Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination" was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

The condemnation shrank in the 2020 cycle and a portion converted to seasonally condemned (034-126S109, 12/28/2018). It was partially delisted (Category 2C/2B.)

During the 2024 cycle, the condemnation expanded again to match the TMDL extent.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_WLT01A98 / Wilton Creek / Described in VDH-DSS condemnation 126, 3/2/1993. Merged in the 2024 cycle. PIAMH	4A	Fecal Coliform	1998	L	0.135

Wilton Creek

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.134		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-06-SF Healy Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208A, 12/15/2022

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 034-208A, 12/15/2022

The upper portion of Healy Creek was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 129, 3/3/1997. The Piankatank River, Lower Watershed TMDL Report was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

The condemnation expanded in the 2016 cycle.

In the 2020 cycle, the condemnation shrank a portion converted to seasonally condemned (034-208S67, 12/28/2018). It was partially delisted (Category 2C/2B.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208A, 12/15/2022. PIAMH	4A	Fecal Coliform	1998	L	0.047

Healy Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.047		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-10-EBEN Piankatank River

Cause Location: Piankatank River Mesohaline Estuary

Cause City/County: Gloucester County; Mathews County; Middlesex County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: During the 2006 cycle, the Piankatank River from Pond Point to just upstream of Iron Point was impaired of the Aquatic Life Use based on information collected from the Coastal 2000 station 7-PNK005.20 in 2003.

During the 2008 cycle, Coastal 2000 monitoring in 2004 at station 7-PNK005.35 also indicated benthic impairment. In addition, estuarine probabilistic monitoring was conducted at Coastal 2000 station 7-PNK010.41. The data was assessed by DEQ's Central Office staff who considered the area around Berkley Island as impaired due to alteration of the benthic community (C03E-14-EBEN due 2020).

During the 2014 cycle, the entire mainstem Piankatank River/Dragon Swamp was impaired of the Aquatic Life Use based on the Chesapeake Bay Benthic Index of Biological Integrity. Although the Coastal 2000 sampling only represents localized impacts, versus the randomized and extrapolated assessment of the segment-wide CB B-IBI impairment, the impairments were combined due to the possible co-mingled effects. The TMDL due date is 2018 to reflect the earliest benthic impairment within the segment.

In addition, 2011 monitoring at Coastal 2000 station 7BPNK003.14 indicated benthic impairment. There is a high potential of chronic effects due to sediment PAHs.

During the 2016 cycle, benthic impairment was noted at Coastal 2000 estuarine probabilistic monitoring station 7BPNK016.89 (Category 5A, scenario 8 ("cause = water quality").)

The mainstem continued to fail the Chesapeake Bay B-IBI in the 2020 cycle. In addition, 2017 Coastal 2000 station 7BMLF004.09 was also impaired in the 2020 cycle.

In the 2022 cycle, weight-of-evidence analysis at the following estuarine probabilistic monitoring station indicated impairment. 7-PNK003.72 (2019 - Cat 5A scenario 8)

The PIAMHa segment remained impaired in the 2024 cycle. Coastal 2000 stations 7BPNK015.46, 7BPNK012.17, 7BPNK003.96, and 7BMLF003.96 were impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	5A	Estuarine Bioassessments	2014	L	0.823
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/15/2022. Merged in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2022	L	0.092
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.018
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH-DSS condemnation 025-076C, 12/15/2022 PIAMH	5A	Estuarine Bioassessments	2022	L	0.034

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FER01A98 / Ferry Creek / Described in VDH-DSS condemnation notice 035-076B, 2/15/2020. PIAMH	5A	Estuarine Bioassessments	2022	L	0.010
VAP-C03E_FER01B20 / Ferry Creek / Non-Admin Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022 PIAMH	5A	Estuarine Bioassessments	2022	L	0.115
VAP-C03E_FRE01A02 / Frenchs Creek / As described in VDH-DSS condemnation notice 035-076D, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.010
VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208A, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.047
VAP-C03E_HEA01B20 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208S67, 12/15/2020. PIAMH	5A	Estuarine Bioassessments	2022	L	0.024
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	5A	Estuarine Bioassessments	2022	L	0.062
VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996. PIAMH	5A	Estuarine Bioassessments	2022	L	0.019
VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996. PIAMH	5A	Estuarine Bioassessments	2022	L	0.015
VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084B, 2/15/2020. PIAMH	5A	Estuarine Bioassessments	2022	L	0.014
VAP-C03E_JCK02B16 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084A, 12/15/2022 not included in 084A, 11/1/1996. Merged in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2022	L	0.041
VAP-C03E_JCK02C10 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084M1, 2/15/2022 not included in 84B 11/1/1996, or 033-084B 2/15/2020. Merged in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2022	L	0.197
VAP-C03E_JCK03C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084B, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.013

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_MRE01A02 / Moore Creek / Described in VDH-DSS condemnation notice 034-208C, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.034
VAP-C03E_MRE01B22 / Moore Creek / As described in the condemnation notice 034-208S69, 12/15/2020. PIAMH	5A	Estuarine Bioassessments	2022	L	0.035
VAP-C03E_PNK01A02 / Piankatank River / Downstream limit of VDH-DSS condemnation SFC 035-076A, 6/10/1997 to Deep Point Boat Landing. PIAMH	5A	Estuarine Bioassessments	2014	L	0.558
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997. PIAMH	5A	Estuarine Bioassessments	2014	L	1.280
VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from end of 035-076S65, 2/15/2020 downstream to PNK03A00, excluding the Berkley Island area. Expanded in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2014	L	3.595
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island PIAMH	5A	Estuarine Bioassessments	2008	L	0.785
VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank from Deep Point Landing downstream to the boundary of 035-076A, 12/15/2022. Shrank in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2014	L	0.407
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH	5A	Estuarine Bioassessments	2006	L	1.167
VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay. PIAMH	5A	Estuarine Bioassessments	2014	L	3.528
VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2014	L	0.040
VAP-C03E_PNK04C06 / Piankatank River - Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2014	L	0.085

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/15/2022. PIAMH	5A	Estuarine Bioassessments	2022	L	0.011
VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay PIAMH	5A	Estuarine Bioassessments	2014	L	4.949
VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S71, 12/28/2018. PIAMH	5A	Estuarine Bioassessments	2022	L	0.007
VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S72, 12/28/2018. PIAMH	5A	Estuarine Bioassessments	2022	L	0.003
VAP-C03E_WLT01A98 / Wilton Creek / Described in VDH-DSS condemnation 126, 3/2/1993. Merged in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2022	L	0.135
VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11. PIAMH	5A	Estuarine Bioassessments	2022	L	0.146
VAP-C04E_MLF04A06 / Milford Haven / Northern Hills Bay Split in the 2024 cycle. PIAMH	5A	Estuarine Bioassessments	2014	L	1.855
VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 3/15/2019. PIAMH	5A	Estuarine Bioassessments	2022	L	0.016
VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	5A	Estuarine Bioassessments	2022	L	0.012

Piankatank River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	20.178		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Natural Conditions - Water Quality Standards Use Attainability Analyses Needed; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-12-SF Cobbs Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126B, 12/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 034-126B, 12/15/2022

The Piankatank River Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed due to Bacteria Contamination was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006. The TMDL addressed all of Cobbs Creek.

The condemnation expanded in the 2016 cycle.

It shrank in the 2020 cycle and a portion was seasonally condemned (034-126S70, 12/28/2018); it was partially delisted (Category 2C/2B.)

The condemnation expanded to the mouth during the 2024 cycle and the entire creek is impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/15/2022. Merged in the 2024 cycle. PIAMH	4A	Fecal Coliform	2014	L	0.092

Cobbs Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.092		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-15-SF Dancing Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076C, 12/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 035-076C, 12/15/2022

It is nested in the upstream Piankatank River and Harper Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH-DSS condemnation 025-076C, 12/15/2022 PIAMH	4A	Fecal Coliform	2008	L	0.034

Dancing Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.034		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-16-BAC Piankatank River

Cause Location: Piankatank River's bend around Berkley Island

Cause City/County: Middlesex County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2014 cycle, the Piankatank River around Berkley Island was impaired of the Recreation Use due to an enterococci exceedance rate of 4/12 at 7-PNK010.39, which is located at the end of Route 630.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

The impairment is nested in the upstream Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island PIAMH	4A	Enterococcus	2014	L	0.785

Piankatank River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.785		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-17-BAC Piankatank River

Cause Location: One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point.

Cause City/County: Mathews County; Middlesex County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2016 cycle, the segment was impaired of the Recreation Use due to an enterococci exceedance rate of 2/11 at 7-PNK05.78, which is located at the Route 630 boat ramp.

New bacteria criteria were implemented in the 2022 cycle. There was insufficient information to assess; therefore, the impairment will be carried over.

The impairment is nested in the upstream Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH	4A	Enterococcus	2016	L	1.167

Piankatank River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	1.167		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-18-SF Cores Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208D, 12/15/2022

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 035-208D, 12/15/2022

It is nested within the neighboring Healy Creek TMDL, which was addressed in the report ""Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination." The TMDL was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/15/2022. PIAMH	4A	Fecal Coliform	2014	L	0.018

Cores Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.018		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-19-SF Porpoise Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208B, 12/15/2022.

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation Notice 034-208B, 12/15/2022

The Porpoise Cove shellfish use impairment is nested within the nearby Healy Creek TMDL, which was addressed in the report "Piankatank River, Lower Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination". The TMDL was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/15/2022. PIAMH	4A	Fecal Coliform	2008	L	0.011

Porpoise Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.011		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-22-SF Jackson Creek, UT

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 034-126A, 12/15/2022 not included in 084A, 11/1/1996.

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 034-126A, 12/15/2022

The area is closed due for shellfish harvesting. The impairment is nested in the Jackson Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 6/27/2007.

It has merged and split with the upstream TMDL extent several times.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK02B16 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084A, 12/15/2022 not included in 084A, 11/1/1996. Merged in the 2024 cycle. PIAMH	4A	Fecal Coliform	2016	L	0.041

Jackson Creek, UT

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.041		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-24-PH Dragon Swamp

Cause Location: The tidal portion of Dragon Swamp.

Cause City/County: Gloucester County; Middlesex County

Use(s): Aquatic Life

Causes(s)/VA Category: pH/5C

Cause Description: During the 2022 cycle, tidal Dragon Swamp was impaired of the Aquatic Life Use due to a pH exceedance rate of 2/12 at Chesapeake Bay Governor's School station 7-DRN-DR9-CBGS. Natural conditions are suspected as the area feeding the watershed is largely Class VII swampwaters.

The exceedance rate was 2/13 in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	5C	pH	2022	L	0.823

Dragon Swamp

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
pH - Total Impaired Size by Water Type:	0.823		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Natural Conditions - Water Quality Standards Use Attainability Analyses Needed; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-25-SF Piankatank River

Cause Location: Portion of VDH-DSS Condemnation 035-076A, 12/15/2022 not included in SFCs 76A and 76B, 6/10/1997

Cause City/County: Gloucester County; Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: During the 1998 cycle, the upstream Piankatank River and Harpers Creek were included on the 303(d) list due to VDH condemnations 76A and 76B (6/10/1997), respectively. The shellfish bacteria TMDL was developed by the DEQ and approved by the EPA on 6/7/2006.

During the 2024 cycle, the condemnation expanded downstream; it will be considered nested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK01A02 / Piankatank River / Downstream limit of VDH-DSS condemnation SFC 035-076A, 6/10/1997 to Deep Point Boat Landing. PIAMH	4A	Fecal Coliform	2024	L	0.558
VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank from Deep Point Landing downstream to the boundary of 035-076A, 12/15/2022. Shrank in the 2024 cycle. PIAMH	4A	Fecal Coliform	2024	L	0.407

Piankatank River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.965		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-26-SF Ferry Creek

Cause Location: Non-Admin portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022

This area was impaired of the Shellfish Use during the 2024 cycle. It is nested in the upstream Upper Piankatank River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_FER01B20 / Ferry Creek / Non-Admin Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022 PIAMH	4A	Fecal Coliform	2024	L	0.115

Ferry Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.115		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-27-SF Jackson Creek, UT

Cause Location: Described in VDH-DSS condemnation notice 033-084B, 12/15/2022.

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 033-084B, 12/15/2022

It was previously administratively condemned, so the Shellfish Use was considered removed. It was seasonally condemned in the 2022 cycle. During the 2024 cycle, the cove was impaired of the Shellfish Use. It is proposed for nesting in the upstream Jackson Creek TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 6/27/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK03C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084B, 12/15/2022. PIAMH	4A	Fecal Coliform	2024	L	0.013

Jackson Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.013		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C03E-28-SF Jackson Creek

Cause Location: Described in VDH-DSS condemnation notice 84A, 11/1/1996.

Cause City/County: Middlesex County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS SFC Notice 033-084A, 12/15/2022

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996. The bacteria TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 6/27/2007. The impairments have merged and separated over several cycles. This original cove was seasonally condemned in the 2022 cycle and was delisted.

During the 2024 cycle, the TMDL area was re-condemned.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996. PIAMH	4A	Fecal Coliform	2024	L	0.019

Jackson Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.019		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-01-SF Queens Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 99A, 4/9/1997.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnations 037-099A and -D, 2/15/2022 VDH-DSS condemnation 037-099S128, 2/15/2022 - seasonal

A portion of Queens Creek was assessed as impaired of the Shellfish Use during the 1998 cycle due to condemnation 99A, 4/9/1997. The Shellfish TMDL for Queens Creek was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

During several assessment cycles the condemned area has expanded and contracted. In the 2020 cycle, it matched the 1997 condemnation. In the 2022 cycle, it shrank and split. The condemned areas are considered Category 4A; the seasonal area was partially delisted (Category 2C).

Note: During the 2012 cycle, it was determined that the TMDL addressed a smaller segment than previously believed. The Queens Creek mainstem impairment 037-099A, 131/2014 is now smaller than the 1998 impairment and is considered Category 4A/2C. 0.0838 mi2 was partially delisted.

The expansion on Queens Creek was corrected to remove the TMDL. Condemnation 037-099C, 1/28/2010 on Queens Creek, UT is located outside of the TMDL study area. The was due in 2014 since the condemnation first expanded in the 2002 cycle (see C04E-01-SF2)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_QUE01A98 / Queens Creek / Portion of VDH-DSS condemnation 99A, 4/9/1997 within 037-099A and -D, 2/15/2022. CB6PH	4A	Fecal Coliform	1998	L	0.094

Queens Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.094		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-03-SF Edwards Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 197A, 1/21/1997

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 036-197D, 3/15/2019

A portion of Edwards Creek was included on the 1998 303(d) list due to VDH condemnation 197A, 1/21/1997. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

During the 2016 cycle, Edwards Creek was open or seasonally condemned (036-197, 1/31/2014); therefore, the impairment was delisted.

The upper portion was relisted in 2018 (Category 4A).

The condemnation expanded in the 2020 cycle and now extends past the TMDL extent. The expansion is addressed in fact sheet C04E-34-SF.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997. CB6PH	4A	Fecal Coliform	2018	L	0.027

Edwards Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.027		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-04-SF Put In Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 5B, 6/5/1996

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS SFC Number 041-005A, 10/15/2022

Due to the presence of the HRSD Mathews Courthouse WWTP, the upper portion of Put In Creek was previously listed as prohibited and then switched to administratively condemned in 2014 cycle. The Shellfish Use was considered removed.

A shellfish TMDL has been completed for the downstream condemnation on Put In Creek (C04E-14-SF); the TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. The WWTP has since been terminated and the area was condemned in the 2016 cycle. The impairment is considered nested in the downstream TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT02A98 / Put In Creek / Described in VDH-DSS condemnation notice 5B, 6/5/1996. MOBPH	4A	Fecal Coliform	2016	L	0.021

Put In Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.021		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-05-SF Stutts Creek and Morris Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Numbers 061A & 61B, 4/4/1997

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 037-061A, 2/15/2022 Portion of VDH Shellfish Condemnations 037-061C, 2/15/2022

Portions of Stutts Creek and Morris Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 61A & 61B, 4/4/1997. The condemnations have since merged and separated several times. However, the TMDL, which was developed by the DEQ and was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008, only addressed the portions which were impaired during the 1998 cycle. The 1998 portions are considered Category 4A. The expanded areas are addressed in fact sheet C04E-05-SF2.

In the 2022 cycle, condemnation A shrunk and is now smaller than the 1998 impairment. The seasonally condemned area was partially delisted (Category 2C/2B).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MRC01A98 / Morris Creek / Described in VDH-DSS condemnation notice 61B, 4/4/1997. CB6PH	4A	Fecal Coliform	1998	L	0.034
VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 037-061A, 2/15/2022. Adjusted slightly in the 2024 cycle. CB6PH	4A	Fecal Coliform	1998	L	0.077

Stutts Creek and Morris Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.11		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-05-SF2 Morris Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Numbers 036-061C, 2/15/2022 not included in 061A & 061B, 4/4/1997

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 037-061C, 2/15/2022

Portions of Stutts Creek and Morris Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 061A & 061B, 4/4/1997. The condemnations have since merged and separated several times. However, the TMDL only addressed the portions which were impaired during the 1998 cycle. The 1998 portions are considered Category 4A (C04E-05-SF). As the segment first expanded on the 2002 303(d) list, the TMDL for the expansion was due in 2014.

It is considered nested in the Stutts Creek Shellfish TMDL. The TMDL was addressed in the Gwynns Island and Milford Haven Watersheds report, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/15/2022 not condemned on 4/4/1997. CB6PH	4A	Fecal Coliform	2002	L	0.045

Morris Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.045		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-08-SF North River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 157A, 6/3/1997

Cause City/County: Gloucester County; Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 042-157A, 8/15/2022

The upstream portion of the North River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157A, 6/3/1997. The condemnation subsequently expanded, however the DEQ only addressed the original impaired segment during the bacteria TMDL. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The original portion is considered Category 4A.

The condemnation has expanded and contracted multiple times. Closed areas are Category 4A, while open areas are considered Category 2C or 2C/2B as appropriate.

It expanded past the TMDL extent in the 2024 cycle. The expansion is addressed separately.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River MOBPH	4A	Fecal Coliform	2010	L	0.025
VAP-C04E_NOR01A02 / North River / Described in VDH-DSS condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream. Merged in the 2024 cycle. MOBPH	4A	Fecal Coliform	1998	L	0.317

North River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.342		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-09-SF Elmington Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 157B, 6/3/1997

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS condemnation 042-157D, 8/15/2022

The upstream portion of Elmington Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157B, 6/3/1997. The condemnation subsequently expanded; however, the DEQ only addressed the original impaired segment in the North River Bacteria TMDL which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

During the 2012 cycle, condemnation 042-157B, 6/15/2007 was rescinded and Elmington Creek was reopened for harvest; the entire stream was delisted.

The creek was relisted in the 2014 cycle. The upstream portion is considered Category 4A; the expanded area is addressed in fact sheet C04E-09-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997. MOBPH	4A	Fecal Coliform	2014	L	0.023

Elmington Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.022		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-09-SF2 Elmington Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 042-157D, 8/15/2022 not included in 157B, 6/3/1997

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS condemnation 042-157D, 8/15/2022

The upstream portion of Elmington Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157B, 6/3/1997. The condemnation subsequently expanded, however the DEQ only addressed the original impaired segment in the North River Bacteria TMDL report.

During the 2012 cycle, condemnation 042-157B, 6/15/2007 was rescinded and Elmington Creek was reopened for harvest; the entire stream was delisted.

The creek was relisted in the 2014 cycle. The upstream portion is considered Category 4A. The expanded area is considered nested in the Elmington Creek TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 8/15/2022 not included in 157B, 6/3/1997. MOBPH	4A	Fecal Coliform	2014	L	0.009

Elmington Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.009		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-10-SF Back Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 157C, 6/3/1997

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 042-157C, 8/15/2022

Back Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157C, 6/3/1997. The entire creek was addressed in the North River Bacteria TMDL which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

It has varied in size. It shrank in the 2020 cycle and a portion converted to seasonally condemned (2C/2B).

It expanded to the TMDL extent in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BKA01A98 / Back Creek / Described in VDH -DSS condemnation notice 157C, 6/3/1997. Merged in the 2024 cycle. MOBPH	4A	Fecal Coliform	1998	L	0.085

Back Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.085		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-13-SF East River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 92, 1/3/1995

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 041-092A, 10/15/2022

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation expanded in the 2008 cycle and incorporated several tributaries and coves (10/25/2005). The Shellfish TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. However, only the original impairment was addressed.

The condemnations have expanded and contracted in various cycles. The 1998 portion is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995. MOBPH	4A	Fecal Coliform	1998	L	0.198

East River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.198		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-14-SF Put In Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 041-005A, 9/24/2018 included in 5A, 6/5/1996.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 041-005A, 10/15/2022

Put In Creek was included on the 1998 303(d) list due to VDH-DSS condemnation 5A, 6/5/1996. The Shellfish TMDL was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

However, the condemned area has been reduced and the lowermost portion of the 1998 segment is now open for harvest.

The condemnation has expanded and contracted slightly through various cycles.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 10/15/2022 included in 5A, 6/5/1996. MOBPH	4A	Fecal Coliform	1998	L	0.077

Put In Creek

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.077		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-18-SF Horn Harbor and Horn Harbor, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 26A, 2/25/1997

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 039-026A, 2/15/2022 VDH-DSS condemnation 039-026M2, 2/15/2022 - seasonal

Horn Harbor was included on the 1998 303(d) list due to VDH condemnation 26A, 2/25/1997. The TMDL was completed for Horn Harbor was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008. The condemned area has retracted and portions of the study area are open for harvest or seasonally condemned.

Horn Harbor is considered Category 4A, 2C, or 2C/2B as appropriate.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 039-026A, 2/15/2022. Shrank in the 2024 cycle. CB6PH	4A	Fecal Coliform	1998	L	0.14

Horn Harbor and Horn Harbor, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.14		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-23-SF Put In Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 041-005B, 10/15/2022.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 041-005B, 10/15/2022

Put In Creek was included on the 1998 303(d) list due to VDH-DSS condemnation 5A, 6/5/1996 (C04E-14-SF). The Shellfish TMDL was developed was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. However, the condemned area has been reduced and the lowermost portion of the 1998 segment was delisted (Category 2C).

This cove was relisted in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 10/15/2022. MOBPH	4A	Fecal Coliform	2016	L	0.005

Put In Creek, UT

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.005		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-25-SF Winder Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-099B, 2/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 037-099B, 2/15/2022

Winder Creek is nested within the Queens Creek Shellfish TMDL, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MID01A02 / Winder Creek / As described in VDH-DSS condemnation notice 037-099B, 2/15/2022. CB6PH	4A	Fecal Coliform	2002	L	0.025

Winder Creek

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.025		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-28-SF Barn Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 036-197C, 3/15/2019

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 036-197C, 3/15/2019

Barn Creek is nested within the nearby Edwards Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

In the 2022 cycle, the condemnation shrank and the downstream portion is now seasonally condemned and was partially delisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 3/15/2019. CB6PH	4A	Fecal Coliform	2008	L	0.021

Barn Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-30-SF Lanes Creek, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-099E, 2/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 037-099E, 2/15/2022

The impairment is nested within the nearby Edwards Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099E, 2/15/2022. CB6PH	4A	Fecal Coliform	2008	L	0.002

Lanes Creek, UT

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.002		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-31-SF Winter Harbor

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 038-176A and 038-178B, 2/15/2021

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 038-176A and 038-178B, 2/15/2021

Upstream Winter Harbor was impaired of the Shellfish Use. The impairment is nested in the nearby Horn Harbor Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

The condemnation expanded in the 2020 cycle (038-178A, 2/28/2018).

In the 2022 cycle, the condemnation shrank and split. The downstream seasonally condemned portion were partially delisted. The remaining condemnations are Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnations 038-176A and 038-178B, 2/15/2021. Expanded in the 2024 cycle. CB6PH	4A	Fecal Coliform	2018	L	0.141

Winter Harbor

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.141		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-34-SF Edwards Creek

Cause Location: Portion of VDH-DSS condemnation notice 036-197D, 3/15/2019 included in 197B, 1/21/1997.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 036-197D, 3/15/2019

A portion of Edwards Creek was included on the 1998 303(d) list due to VDH condemnation 197A, 1/21/1997. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

During the 2016 cycle, Edwards Creek was open or seasonally condemned (036-197, 1/31/2014); therefore, the impairment was delisted.

The upper portion was relisted in 2018 (Category 4A).

The condemnation expanded in the 2020 cycle and now extends past the TMDL extent. This expanded portion is considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 3/15/2019 not included in 197B, 1/21/1997. CB6PH	4A	Fecal Coliform	2020	L	0.006

Edwards Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.006		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-36-SF Lanes Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 039-099C, 2/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 037-099C, 2/15/2022

Lanes Creek is nested within the nearby Edwards Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_LAN01A02 / Lanes Creek / As described in VDH-DSS condemnation notice 037-099C, 2/15/2022. Expanded in the 2024 cycle. CB6PH	4A	Fecal Coliform	2020	L	0.033

Lanes Creek

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.033		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-37-SF Hudgins Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-061D, 2/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 037-061D, 2/15/2022

Hudgins Creek is nested within the upstream Stutts Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061D, 2/15/2022. CB6PH	4A	Fecal Coliform	2020	L	0.016

Hudgins Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.016		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-39-SF Billups Creek

Cause Location: Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/15/2022.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 037-061B, 2/15/2022

A portion of Billups Creek was included on the 1998 303(d) list for the Shellfish Consumption Use due to VDH-DSS condemnation 204, 4/4/1997. The Shellfish TMDL, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008 addresses the 1998 portion.

In the 2018 cycle, the condemnation was rescinded and the impairment was delisted.

A portion of Billups Creek was relisted in the 2020 cycle. The condemnation extent differs from the TMDL extent; a portion of the TMDL remains open for harvest (Category 2C) while the condemnation also extends past the TMDL. The expansion is addressed in C04E-40-SF.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BLL01A98 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/15/2022. CB6PH	4A	Fecal Coliform	2020	L	0.044

Billups Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.044		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-40-SF Billups Creek

Cause Location: Portion of VDH-DSS condemnation notice 037-061B, 2/15/2022 open on 204, 4/4/1997.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 037-061B, 2/15/2022

An upstream portion of Billups Creek was included on the 1998 303(d) list for the Shellfish Consumption Use due to VDH-DSS condemnation 204, 4/4/1997. The Shellfish TMDL, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008 addresses the 1998 portion.

In the 2018 cycle, the condemnation was rescinded and the impairment was delisted.

A portion of Billups Creek was relisted in the 2020 cycle. The condemnation extent differs from the TMDL extent; a portion of the TMDL remains open for harvest (Category 2C) while the condemnation also extends past the TMDL. The closed TMDL extent is addressed in C04E-39-SF.

The expansion is considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BLL02B20 / Billups Creek / Portion of VDH-DSS condemnation 037-061B, 2/15/2022 open on 4/4/1997. CB6PH	4A	Fecal Coliform	2020	L	0.006

Billups Creek

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.006		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-42-SF Weston Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 041-212A, 10/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 041-212A, 10/15/2022

The Weston Creek shellfish impairment is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 10/15/2022. MOBPH	4A	Fecal Coliform	2008	L	0.025

Weston Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.025		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-48-SF Woodas Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 041-092B, 1/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 041-092B, 10/15/2022

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation expanded in the 2008 cycle and incorporated several tributaries and coves (10/25/2005). During the 2010 cycle, the DEQ developed the Shellfish TMDL; however, only the original impairment was addressed.

In the 2010 cycle, the condemned area included the original 1998 impairment plus an expanded mainstem area, Woodas Creek, and two (later delisted) tributaries. The 1998 portion is considered Category 4A. The TMDL due date for the expansions is 2020.

Woodas Creek is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WOO01A10 / Woodas Creek / Described in VDH-DSS condemnation notice 041-092B, 10/15/2022. MOBPH	4A	Fecal Coliform	2008	L	0.029

Woodas Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.029		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-49-SF East River

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 041-092A, 10/15/2022 not included in 92, 1/3/1995

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Shellfish Condemnation 041-092A, 10/15/2022

A portion of the East River was included on the 1998 303(d) list due to VDH-DSS condemnation 92, 1/3/1995. The condemnation subsequently expanded; however, only the original impairment was addressed. The 1998 portion is considered Category 4A. The TMDL due date for the expansion is 2020.

This expansion is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

The condemnation has expanded and contracted multiple times.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 10/15/2022 open in 92, 1/3/1995. MOBPH	4A	Fecal Coliform	2008	L	0.072

East River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.072		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-50-SF Toddsbury Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-157E, 8/15/2022

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 042-157E, 8/15/2022

Toddsbury Creek is nested within the upstream North River Shellfish TMDL. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/15/2022. MOBPH	4A	Fecal Coliform	2020	L	0.02

Toddsbury Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-52-SF North River, UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-157B, 8/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 042-157B, 8/15/2022

The impairment is nested within the upstream North River Shellfish TMDL. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR03A20 / North River, UT / Described in VDH-DSS condemnation 042-157B, 8/15/2022. MOBPH	4A	Fecal Coliform	2020	L	0.021

North River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.021		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-56-SF East River, UT

Cause Location: Described in VDH-DSS Condemnation 041-092D, 10/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 041-092D, 10/15/2022

The UT was closed for harvest in the 2022 cycle. The impairment is considered nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST02B20 / East River, UT / Described in VDH-DSS condemnation 041-092D, 10/15/2022. MOBPH	4A	Fecal Coliform	2022	L	0.013

East River, UT

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.013		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-57-SF Miles Creek

Cause Location: Described in VDH-DSS Condemnation 041-212B, 10/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 041-212B, 10/15/2022

Miles Creek is nested in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

The condemnation was slightly smaller in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212B, 10/15/2022. Shrank in the 2024 cycle. MOBPH	4A	Fecal Coliform	2022	L	0.03

Miles Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.03		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-58-SF XFA - North River, UT

Cause Location: Described in VDH-DSS condemnation 042-131A, 12/15/2021

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 042-131A, 12/15/2021

It is nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 12/15/2021. MOBPH	4A	Fecal Coliform	2022	L	0.02

XFA - North River, UT

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.02		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-59-SF Raymond Creek

Cause Location: Described in VDH-DSS condemnation 042-131B, 12/15/2021

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 042-131B, 12/15/2021

It is nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 12/15/2021. MOBPH	4A	Fecal Coliform	2022	L	0.026

Raymond Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.025		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-60-SF Doctors Creek

Cause Location: Described in VDH-DSS condemnation notice 26B, 2/25/1997.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 039-026B, 2/15/2022

A portion of Doctors Creek was included on the 1998 303(d) list due to VDH condemnation 26B, 2/25/1997. The shellfish TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

In the 2020 cycle, the condemnation completely converted to seasonally condemned and was delisted (Category 2C/2B).

It was relisted in the 2024 cycle (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DOC01A98 / Doctors Creek / Described in VDH condemnation notice 26B, 2/25/1997. CB6PH	4A	Fecal Coliform	2024	L	0.015

Doctors Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.015		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-61-SF Dyer Creek

Cause Location: Described in VDH-DSS Condemnation 039-100A, 2/15/2021.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 039-100A, 2/15/2021.

During the 2024 cycle, Dyer Creek was impaired of the Shellfish Consumption Use due to VDH-DSS condemnation 039-100A, 2/24/2011. It is considered nested within the nearby Doctors Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100A, 2/15/2021. CB6PH	4A	Fecal Coliform	2024	L	0.052

Dyer Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.052		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-62-SF East River, UT

Cause Location: Described in VDH-DSS condemnation notice 041-092C, 10/15/2022.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation notice 041-092C, 10/15/2022

During the 2024 cycle, the UT was impaired of the Shellfish Use. It is proposed for nesting in the upstream East River Shellfish TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST01D10 / East River, UT / Described in VDH-DSS condemnation notice 041-092C, 10/15/2022. MOBPH	4A	Fecal Coliform	2024	L	0.023

East River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.022		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-63-SF North River

Cause Location: Portion of condemnation notice 042-157A, 8/15/2022 not included on the 6/3/1997 condemnation.

Cause City/County: Gloucester County; Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH-DSS Condemnation 042-157A, 8/15/2022

The upstream portion of the North River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157A, 6/3/1997. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The condemnation expanded past the TMDL extent in the 2024 cycle. The expansion is proposed for nesting in the TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR02B24 / North River / Portion of condemnation notice 042-157A, 8/15/2022 not included on the 6/3/1997 condemnation. MOBPH	4A	Fecal Coliform	2024	L	0.064

North River

Shellfishing

Fecal Coliform - Total Impaired Size by Water Type:	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	0.064		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-64-SF Belleville Creek

Cause Location: Described in VDH-DSS Shellfish Condemnation 042-157G, 8/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 042-157G, 8/15/2022

In the 2024 cycle, Belleville Creek is impaired of the Shellfish Use. It is nested within the nearby Back Creek Shellfish TMDL; the TMDL was developed in the North River TMDL report, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH-DSS Shellfish Condemnation 042-157G, 8/15/2022. MOBPH	4A	Fecal Coliform	2024	L	0.053

Belleville Creek

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.053		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-65-SF North River, UT

Cause Location: Described in VDH-DSS Condemnation 042-157F, 8/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: VDH-DSS Condemnation 042-157F, 8/15/2022

The UT is impaired of the Shellfish Use in the 2024 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR04A22 / North River, UT / Described in VDH-DSS Condemnation 042-157F, 8/15/2022. MOBPH	5B	Fecal Coliform	2024	L	0.01

North River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.01		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-66-EBTOX North River

Cause Location: North River from rivermile 3.08 to 1.27.

Cause City/County: Gloucester County; Mathews County

Use(s): Aquatic Life

Causes(s)/VA Category: Sediment Bioassay/5A

Cause Description: During the 2024 cycle, the segment was impaired of the Aquatic Life Use due to estuarine probabilistic monitoring results: 7-NOR002.58 - 2022 Category 5A, scenario 8 7-NOR001.77 - 2021 Category 5A, scenario 8

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR05A24 / North River / North River from rivermile 3.08 to 1.27. MOBPH	5A	Sediment Bioassay	2024	L	1.681

North River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Sediment Bioassay - Total Impaired Size by Water Type:	1.681		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-67-SF Davis Creek

Cause Location: Described in VDH-DSS condemnation notice 042-131C, 12/15/2021.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Shellfish Condemnation 042-131C, 12/15/2021

Davis Creek was impaired of the Shellfish Use in the 2024 cycle. It is considered nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DAV01B24 / Davis Creek / Described in VDH-DSS condemnation notice 042-131C, 12/15/2021. MOBPH	4A	Fecal Coliform	2024	L	0.037

Davis Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.037		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-68-EBTOX Queens Creek / Queens Creek, UT

Cause Location: Queens Creek below condemnation notice 99A, 4/7/1997.

Cause City/County: Mathews County

Use(s): Aquatic Life

Causes(s)/VA Category: Sediment Bioassay/5A

Cause Description: In the 2022 cycle, estuarine probabilistic monitoring station 7-XFH000.08 indicated benthic impairment (scenario 8 "cause = water quality"). At that time, it was combined with the impairment for the mesohaline Piankatank B-IBI segment. In the 2024 cycle, the area converted to CB6PHb and the impairment is split off. The TMDL due date will be 2034 to reflect the original listing cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_QUE01B10 / Queens Creek / Described in VDH-DSS condemnation notice 037-099M1, 2/15/2022. CB6PH	5A	Sediment Bioassay	2024	L	0.031
VAP-C04E_QUE01C10 / Queens Creek / Below VDH-DSS condemnation 99A, 4/7/1997, unless otherwise segmented. CB6PH	5A	Sediment Bioassay	2024	L	0.068
VAP-C04E_QUE02A12 / Queens Creek, UT / Described in VDH-DSS condemnation 037-099F, 2/15/2022. CB6PH	5A	Sediment Bioassay	2024	L	0.011

Queens Creek / Queens Creek, UT

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Sediment Bioassay - Total Impaired Size by Water Type:	0.11		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-69-SF Queens Creek, UT

Cause Location: Described in VDH-DSS condemnation 037-099F, 2/15/2022

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 037-099F, 2/15/2022

The area has opened and closed several times. It was relisted in the 2024 cycle. The impairment is nested within the Queens Creek Shellfish TMDL, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_QUE02A12 / Queens Creek, UT / Described in VDH-DSS condemnation 037-099F, 2/15/2022. CB6PH	4A	Fecal Coliform	2024	L	0.011

Queens Creek, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.011		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-70-EBTOX Edwards Creek

Cause Location: Tidal Edwards Creek

Cause City/County: Mathews County

Use(s): Aquatic Life

Causes(s)/VA Category: Sediment Bioassay/5A

Cause Description: During the 2018 cycle, lower Edwards Creek was impaired of the Aquatic Life Use due to a slightly altered benthic community during a one-time sampling event at Coastal 2000 probabilistic monitoring station 7BEDW000.25 (C04E-06-EBEN).

However, in the 2022 cycle, the impairment was moved under C03E-10-EBEN. Since the 2014 cycle, the entire mainstem Piankatank River/Dragon Swamp was impaired of the Aquatic Life Use based on the CB B-IBI. The TMDL due date is 2018 to reflect the earliest benthic impairment within the segment. There is insufficient information to assess the B-IBI in the 2022 cycle; therefore, the impairment was carried over. In the 2022 cycle it was determined that the B-IBI segment should include the tributaries. As the Edwards Creek sample was used in the segment-wide determination and the impairment is due to scenario 8 (water quality), versus a local sediment contamination issue, these impairments were combined (C03E-10-EBEN).

Through the 2022 cycle, this area was part of the Piankatank Mesohaline estuary. The segmentation was changed in 2021 and the lower portion of Milford Haven was changed to CB6PHb. The impairments were split again in the 2024 cycle since the B-IBI segment changed. The impaired parameter was changed to Sediment Bioassays. It was also extended to the tidal extent of Edwards Creek.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997. CB6PH	5A	Sediment Bioassay	2024	L	0.027
VAP-C04E_EDW02A98 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197B, 1/21/1997 open 3/15/2019. CB6PH	5A	Sediment Bioassay	2022	L	0.041
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 3/15/2019 not included in 197B, 1/21/1997. CB6PH	5A	Sediment Bioassay	2018	L	0.006
VAP-C04E_EDW03A24 / Edwards Creek / Edwards Creek below VDH-DSS condemnation notice 036-197B, 1/21/1997. CB6PH	5A	Sediment Bioassay	2024	L	0.029

Edwards Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Sediment Bioassay - Total Impaired Size by Water Type:	0.103		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension

(Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04E-71-SF Stutts Creek, UT

Cause Location: Described in VDH-DSS condemnation 037-061E, 2/15/2022.

Cause City/County: Mathews County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 037-061E, 2/15/2022

The tributary was impaired of the Shellfish Use in the 2023 cycle. The impairment is nested within the upstream Stutts Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_STT02B20 / Stutts Creek, UT / Described in VDH-DSS condemnation 037-061E, 2/15/2022. CB6PH	4A	Fecal Coliform	2024	L	0.006

Stutts Creek, UT

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.005		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04R-01-BAC East River

Cause Location: Nontidal mainstem of the East River.

Cause City/County: Mathews County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2012 cycle, the nontidal East River was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-EST008.71, which is located at Rt. 14.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

A shellfish bacterial impairment on tidal East River was addressed in the East River TMDL, which was approved by the EPA on 2/27/2008 and by the SWCB on 4/28/2009. Implementation of the TMDL is expected to bring the nontidal Recreation Use impairment into compliance; therefore, the segment is considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	4A	Escherichia coli (E. coli)	2012	L	0.59

East River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			0.59

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04R-01-DO East River

Cause Location: Nontidal mainstem of the East River.

Cause City/County: Mathews County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5C

Cause Description: During the 2012 cycle, the nontidal East River was impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 4/12 at 7-EST008.71, which is located at Rt. 14.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	5C	Dissolved Oxygen	2012	L	0.59

East River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			0.59

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04R-01-PH East River

Cause Location: Nontidal mainstem of the East River.

Cause City/County: Mathews County

Use(s): Aquatic Life

Causes(s)/VA Category: pH/5C

Cause Description: During the 2012 cycle, the nontidal East River was impaired of the Aquatic Life Use due to a pH exceedance rate of 8/12 at 7-EST008.71, which is located at Rt. 14.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04R_EST01A12 / East River / Headwaters to tidal limit	5C	pH	2012	L	0.59

East River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
pH - Total Impaired Size by Water Type:			0.59

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C04R-02-BAC Burke Mill Stream

Cause Location: Burke Mill Stream from extent of tide to mouth at the North River.

Cause City/County: Gloucester County; Mathews County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: Burke Mill Stream from Burke Pond to the tidal limit was assessed as impaired of the Recreation Use in 2004 based on fecal coliform exceedances at the Route 3/Route 14 bridge (7-BUR001.19).

During the 2008 cycle, the E. coli exceedance rate was 2/10 and the impairment converted to E. coli. The original TMDL due date of 2016 was maintained.

However, during the 2010 cycle, it was determined that station 7-BUR001.19 is tidally influenced. Since no enterococci data had been collected at the site, the bacterial impairment was carried over. The extent of the impairment was changed from the tidal limit to the mouth.

Enterococci monitoring during the 2012 cycle confirmed the Recreation Use impairment. The exceedance rate was 7/12 at 7-BUR001.19.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

As the impairment is within the area addressed in the Shellfish TMDL for the North River, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007, the Recreation Use impairment is considered nested (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River MOBPH	4A	Enterococcus	2012	L	0.025

Burke Mill Stream

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.025		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-01-SF Ware River / Fox Mill Run

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 096A and 096B, 8/12/1996

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 043-096A, 8/15/2022

Fox Mill Run and a portion of the Ware River were included on the 1998 303(d) list due to VDH Shellfish Condemnation 96B and 96A, 8/12/1996. The Ware River condemnation has since expanded to incorporate the Fox Mill Run impairment. However, the DEQ developed the Bacteria TMDL for only the original 1998 portions; the TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The 1998 portions are considered Category 4A waters.

The expanded area of the Ware River is addressed in fact sheet C05E-01-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_FOX01A08 / Fox Mill Run / Described in VDH-DSS condemnation notice 96B, 8/12/1996. MOBPH	4A	Fecal Coliform	1998	L	0.085
VAP-C05E_WAR01A02 / Ware River / Described in VDH-DSS condemnation notice 096A, 8/12/1996. MOBPH	4A	Fecal Coliform	1998	L	0.270

Ware River / Fox Mill Run

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.356		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-01-SF2 Ware River

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 043-096A, 8/15/2022 not included in 096A and 096B, 8/12/1996

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 043-096A, 8/15/2022

Fox Mill Run and a portion of the Ware River were included on the 1998 303(d) list due to VDH Shellfish Condemnation 96B and 96A, 8/12/1996. The Ware River condemnation has since expanded to incorporate the Fox Mill Run impairment. However, the DEQ developed the Bacteria TMDL for only the original 1998 portions. The TMDL for the expanded portion of the Ware River was due in 2014 since it first expanded in the 2002 list.

The expansion is nested within the upstream Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

The condemnation has expanded and contracted multiple times.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/15/2022 not included in condemnation 96A and 96B, 8/12/1996. Expanded in the 2024 cycle. MOBPH	4A	Fecal Coliform	2002	L	0.262

Ware River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.262		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-02-SF Wilson Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 106, 8/12/1996

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 043-096B, 8/15/2022

A portion of Wilson Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 106, 8/12/1996. The condemnation has since expanded and contracted. However, the bacteria TMDL was only developed for the original 1998 portion; the TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

In the 2014 cycle, the condemnations expanded and merged again. The expansion is addressed in fact sheet C05E-02-SF2.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WIL01A98 / Wilson Creek / Described in VDH-DSS condemnation notice 106, 8/12/1996. MOBPH	4A	Fecal Coliform	1998	L	0.033

Wilson Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.033		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-02-SF2 Wilson Creek

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 043-096B, 8/15/2022 not included in 106, 8/12/1996

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion of VDH Shellfish Condemnation 043-096B, 8/15/2022

An upstream portion of Wilson Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 106, 8/12/1996. The condemnation has since expanded.

The expansion is nested in the upstream Wilson Creek TMDL, which was developed in the Ware River report. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/15/2022 not included in condemnation 106, 8/12/1996. Expanded in the 2024 cycle. MOBPH	4A	Fecal Coliform	2002	L	0.213

Wilson Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.213		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-03-BAC Ware River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 096A, 8/12/1996

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2018 cycle, the upper tidal Ware River was impaired of the Recreation Use due to an enterococci exceedance rate of 5/8 at 7-BEA000.40. The station is located near the tidal limit on Beaverdam Swamp at Rt. 14.

New bacteria criteria were implemented in the 2022 cycle. No new data were collected, but re-analysis of the previous data confirmed that the segment remained impaired due to two or more STV exceedances in the same 90-day period with <10 samples.

The impairment is nested in the Ware River Watershed Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. It is considered a Category 4A water.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR01A02 / Ware River / Described in VDH-DSS condemnation notice 096A, 8/12/1996. MOBPH	4A	Enterococcus	2018	L	0.27

Ware River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.27		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05E-05-SF Ware River, UT

Cause Location: Described in VDH-DSS condemnation 043-096C, 8/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 043-096C, 8/15/2022

The impairment is nested in the Ware River Watershed Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 8/15/2022. MOBPH	4A	Fecal Coliform	2024	L	0.01

Ware River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.01		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05R-01-BAC Fox Mill Run

Cause Location: From its headwaters to the limit of tide.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: In 2002, the segment was assessed not supporting of the Recreation Use because of a fecal coliform exceedance rate of 5/18 at the Route 17 bridge (7-FOX002.49).

Additional monitoring has been conducted. The bacterial impairment converted to E. coli in the 2010 cycle; however, the original TMDL due date was maintained. During the 2012 cycle, the segment remained impaired: 2/23 (FS) at 7-FOX002.49 3/12 at 7-FOX003.22 2/12 at 7-FOX004.68 3/12 at 7-FOX006.56

The impairment is considered nested (Category 4A) because it is located within the watershed study area for the Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

New bacteria criteria were implemented in the 2022 cycle. There is insufficient information to assess the criteria; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05R_FOX01A00 / Fox Mill Run / From its headwaters to the extent of tide.	4A	Escherichia coli (E. coli)	2010	L	6.97

Fox Mill Run

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			6.97

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C05R-04-BAC XEG - Fox Mill Run, UT

Cause Location: Unnamed tributary to Fox Mill Run, in its entirety.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: During the 2012 cycle, the tributary was assessed as not supporting of the Recreation Use due to an E. coli exceedance rate of 2/12 at 7-XEG000.27, which is located at a private drive off of Route 615.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

The impairment is considered nested (Category 4A) because it is located within the watershed study area for the Ware River Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05R_XEG01A10 / XEG - Fox Mill Run, UT / Headwaters to mouth at Fox Mill Run	4A	Escherichia coli (E. coli)	2012	L	1.71

XEG - Fox Mill Run, UT

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.71

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-01-BAC Northwest Branch Severn River

Cause Location: From the limit of tide to the mouth at the Severn River.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The nontidal portion of the Northwest Branch of the Severn River was initially assessed as not supporting of the Recreation Use goal because of fecal coliform exceedances at 7-SEN004.04 (fact sheet C06R-01-BAC). The TMDL was due in 2014.

During the 2008 cycle, the E. coli violation rate was 7/11; therefore, the impairment was converted. The original TMDL due date was maintained.

During the 2010 cycle, it was determined that the station is tidally influenced during most circumstances. The impairment was adjusted to extend from the tidal limit to the downstream extent of the shellfish condemnation.

The impairment was extended to the mouth during the 2016 cycle due to additional monitoring at 7-SEN001.35, which is located at Brays Point. The exceedance rate was 3/12.

The impairment was previously nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. In the 2020 cycle, a general permit was issued for a new domestic wastewater discharge. Since the shellfish TMDL did not address permitted point sources and did not include a WLA, the bacteria impairment can no longer be considered nested.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/15/2022, excluding tributary XEE. MOBPH	5A	Enterococcus	2010	L	0.127
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of VDH-DSS condemnation notice 93A, 4/1/1997 open on 044-093, 6/15/2022. MOBPH	5A	Enterococcus	2016	L	0.167
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Northwest Branch Severn Creek not otherwise segmented Segment adjusted in the 2022 cycle. MOBPH	5A	Enterococcus	2016	L	0.427

Northwest Branch Severn River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.721		

Sources: Non-Point Source; Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-01-SF Northwest Branch Severn River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093B, 6/15/202.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 044-093B, 6/15/2022

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively.

The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

During the 2014 cycle, both creeks were completely reopened for harvest (044-093, 2/22/2012); therefore, the streams were delisted (Category 2C).

The segment was relisted in the 2016 cycle (Category 4A). The condemnation grew slightly in the 2020 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/15/2022, excluding tributary XEE. MOBPH	4A	Fecal Coliform	2016	L	0.127
VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River MOBPH	4A	Fecal Coliform	2016	L	0.003

Northwest Branch Severn River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.13		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-03-SF Vaughans Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093C, 6/15/2022

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 044-093C, 6/15/2022

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively.

The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

During the 2014 cycle, both creeks were completely reopened for harvest and the streams were delisted (Category 2C).

The portion of Vaughans Creek was relisted in the 2016 cycle (Category 4A). It has varied in size. In the 2022 cycle, the condemnation expanded past the TMDL. The expansion is considered nested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_VGH01A98 / Vaughans Creek / Described in VDH-DSS condemnation notice 93B, 4/1/1997. MOBPH	4A	Fecal Coliform	2016	L	0.121
VAP-C06E_VGH02A22 / Vaughans Creek / Portion of VDH-DSS Condemnation 044-093C, 6/15/2022 not included in 93B, 4/4/1997 MOBPH	4A	Fecal Coliform	2022	L	0.015

Vaughans Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.135		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-04-SF Heywood Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 101, 4/1/1997

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH DSS Shellfish Condemnation 044-054B, 6/15/2022

Heywood Creek was listed on the 1998 303(d) list due to VDH Shellfish Condemnation 101, 4/1/1997. The TMDL for this area was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

The condemned area is currently smaller than the 1998 impairment; the open area within the completed TMDL is Category 2C.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_HEY01A98 / Heywood Creek / Described in VDH-DSS condemnation notice 044-054B, 6/15/2022. Expanded in the 2024 cycle. MOBPH	4A	Fecal Coliform	1998	L	0.12

Heywood Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.12		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-05-SF Thorntons Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 54, 4/1/1997.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH DSS Shellfish Condemnation 044-054A, 6/15/2022

Thorntons Creek was listed on the 1998 303(d) list due to VDH Shellfish Condemnation 54, 4/1/1997. The TMDL for this area was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The 1998 portion of Thorntons Creek was considered a Category 4A water. The condemned area is now smaller than the 1998 impairment. The open area within the completed TMDL was partially delisted (Category 2C).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_THC01A98 / Thorntons Creek / Described in VDH-DSS condemnation notice 044-054A, 6/15/2022. MOBPH	4A	Fecal Coliform	1998	L	0.063

Thorntons Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.063		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-08-SF Free School Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 044-093A, 6/15/2022

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH Shellfish Condemnation 044-093A, 6/15/2022

Free School Creek was addressed in the Severn River Watershed Bacteria TMDL for Shellfish Impairments. The TMDL was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

The condemnation is currently smaller than the TMDL extent. The closed portion is considered a Category 4A water. The open portion is Category 2C.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_FRC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 6/15/2022. MOBPH	4A	Fecal Coliform	2008	L	0.039

Free School Creek

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.039		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-09-SF Blevins Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 045-125A, 12/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 045-125A, 12/15/2022

Blevins Creek is nested in the Browns Bay and Monday Creek Shellfish TMDL Report, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125A, 12/15/2022. MOBPH	4A	Fecal Coliform	2020	L	0.049

Blevins Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.049		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-12-SF Whitaker Creek

Cause Location: Described in VDH-DSS Condemnation 044-093D, 6/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS Condemnation 044-093D, 6/15/2022

The impairment is nested in the neighboring Free School Creek TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_WTT01A08 / Whitaker Creek / Described in VDH-DSS Condemnation 044-093D, 6/15/2020 Size reduced in the 2022 cycle. MOBPH	4A	Fecal Coliform	2022	L	0.037

Whitaker Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.037		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06E-13-SF Northwest Branch Severn River, UT

Cause Location: Described in VDH-DSS condemnation notice 044-093E, 6/15/2022.

Cause City/County: Gloucester County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: VDH-DSS condemnation 044-093E, 6/15/2022

The upper portion of the Northwest Branch Severn River and a portion of Vaughans Creek were included on the 1998 303(d) list due to VDH Shellfish Condemnations 93A and 93B, 4/1/1997, respectively. The Bacteria TMDL for the Shellfish Impairments in the Severn River Watershed was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. This cove has been listed and de-listed several times. During the 2024 cycle, it was relisted.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093E, 6/15/2022. MOBPH	4A	Fecal Coliform	2024	L	0.034

Northwest Branch Severn River, UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.034		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06R-01-BAC Northwest Branch of Severn River

Cause Location: From its headwaters to the limit of tide.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The nontidal portion of the Northwest Branch of the Severn River was initially assessed as not supporting of the Recreation Use goal because of fecal coliform exceedances at 7-SEN004.04, located near a private road off of Rt. 614. The TMDL was due in 2014.

During the 2008 cycle, the E. coli exceedance rate was 7/11; therefore, the impairment was converted. The original TMDL due date was maintained.

During the 2010 cycle, it was determined that station 7-SEN004.04 is actually tidally influenced during most circumstances. The segment was shortened to correct the tidal limit and additional data was collected at station 7-SEN004.78. The exceedance rate was 3/10 during the 2012 cycle.

The impairment is nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06R_SEN01A00 / Northwest Branch Severn River / From its headwaters to the extent of tide.	4A	Escherichia coli (E. coli)	2008	L	2.16

Northwest Branch of Severn River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			2.16

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C06R-02-BAC XEE - Northwest Branch Severn River, UT

Cause Location: The tidal portion of the tributary.

Cause City/County: Gloucester County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: During the 2010 cycle, the tributary was assessed as not supporting of the Recreation Use due to an E. coli violation rate of 2/6 at 7-XEE000.58, which is located at the Route 614 bridge.

During the 2012 cycle, it was determined that the station is tidally influenced. The station failed the Recreation Use due to an enterococci exceedance rate of 5/11. The impairment was converted to enterococci and the segment extent was corrected.

The impairment is nested within the study area for the Severn River Watershed TMDL Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination, which was approved by the EPA on 6/7/2006 and the SWCB on 3/23/2007.

New bacteria criteria were implemented in the 2022 cycle. No additional data have been collected; therefore, the impairment is carried over.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River MOBPH	4A	Enterococcus	2012	L	0.003

XEE - Northwest Branch Severn River, UT

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.003		

Sources: Agriculture; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-01-BAC Brick Kiln Creek

Cause Location: This cause encompasses from 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Branch Back River. CBP Segment MOBPH.

Cause City/County: Hampton; Poquoson City; York County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use impairment is retained due to Enterococcus concentrations exceeding the swimming indicator criteria. There was no new data in the current cycle. Recreation impairments included in TMDL (31233) EPA approved 4/24/2014 under TMDL ID = VAT-C07E-01 modified 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20221115).	4A	Enterococcus	2004	L	0.086

Brick Kiln Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.086		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-01-PCB Chesapeake Bay and Tidal Tributaries VDH Fish Consumption Advisory for PCBs

Cause Location: This cause encompasses the Chesapeake Bay & Tidal Tributaries within the lower bay.

Cause City/County: Hampton; Poquoson City; York County

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs fish tissue contamination within the Chesapeake Bay issued 12/13/04. Previous Use ID (2006 IR) as TMDL ID: VDH-Bay PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK01A00 / Mainstem Back River / From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. DSS Condemnation 054-215 OPEN (20221115) and 054-021 (20221115) shellfish condemnations.	5A	PCBs in Fish Tissue	2006	L	3.340
VAT-C07E_BAK01B08 / Mainstem Back River-South Shore at Mouth Wallace Cr. / Portion of mainstem along south shore between Windmill Pt. and Grunland Pt. CBP Segment MOBPH. Seasonal DSS shellfish Administrative Condemnation classification [DSS (Seasonal) shellfish condemnation # 054-215 M1 (effective 20221115)	5A	PCBs in Fish Tissue	2006	L	0.091
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20221115.	5A	PCBs in Fish Tissue	2006	L	0.034
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	PCBs in Fish Tissue	2006	L	0.224
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.248
VAT-C07E_BCK02A06 / Back Creek - Middle (DSS-marina area) / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.112

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BCK03A06 / Back Creek - Lower / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS (OPEN) shellfish condemnation # 053-151 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.405
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.039
VAT-C07E_BEN02A08 / Bennet Creek - Lower Middle / South shore tributary to Poquoson R, in area of Griffins Beach. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. DSS (OPEN, Conditionally Approved) Shellfish condemnation # 053-222 C12 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.181
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. Open DSS condemnation area 053-222 effective 20220515	5A	PCBs in Fish Tissue	2006	L	0.366
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.086
VAT-C07E_BTC01A08 / Bay Tree Creek / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS Shellfish condemnation # 053-221 B (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.076
VAT-C07E_BTC02A18 / Bay Tree Creek- Mouth / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-221 (effective 20200615).	5A	PCBs in Fish Tissue	2006	L	0.050
VAT-C07E_BTH01A08 / Boathouse Creek / Boathouse Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS condemnation # 053-221 (effective 20200615).	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C07E_BTH01B22 / Chisman Creek-Lower North Shore (Marina) / Downstream section of Boathouse Creek, from Anchor Drive to mouth. CBP Segment MOBPH. DSS Conditionally Approved S141 condemnation # 053-221 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.037

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CAB01A08 / Cabin Creek / Cabin Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS shellfish condemnation # 053-221 (effective 20200615).	5A	PCBs in Fish Tissue	2006	L	0.082
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20221115. CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.109
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.224
VAT-C07E_CHS02A06 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Spivey Road to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.386
VAT-C07E_CHS02B22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	5A	PCBs in Fish Tissue	2006	L	0.152
VAT-C07E_CHS02B24 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	5A	PCBs in Fish Tissue	2006	L	0.029
VAT-C07E_CHS02C22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Goose Creek to Seaford Shores area. CBP Segment MOBPH. DSS Restricted condemnation # 053-221 F (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.075
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. Admin DSS condemnation # 053-221 E (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.006
VAT-C07E_EAS01A06 / Easton Cove / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. DSS Conditionally approved shellfish condemnation # 053-222 C12 (effective 20220515). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.057

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20220515). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.024
VAT-C07E_FLY02A16 / Floyds Bay- mouth / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20220515). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.028
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.053
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.049
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 G (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.052
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 C14 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.116
VAT-C07E_GRV01A06 / Grandview Pier & Saltponds Beaches / From Grandview beach southwest to northeast of Buckroe Beach. Offshore of Buckroe Beach VDH monitoring. area Portion of CBP Segment CB8PH. No DSS shellfish condemnation present.	5A	PCBs in Fish Tissue	2006	L	0.241
VAT-C07E_GRV02A10 / Grandview Pier & Saltponds Beaches [No TMDL] / From southernmost point of Grandview Beach southwest to northeast of Buckroe Beach. Shoreward of GRV01A06. Portion of CBP Segment CB8PH. DSS ADMIN shellfish condemnation # 055-216 A (effective 20080530).	5A	PCBs in Fish Tissue	2006	L	0.119

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.121
VAT-C07E_HAR01A24 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.077
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS shellfish OPEN and conditionally approved # 054-215 C22 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.160
VAT-C07E_HAR02B10 / Harris River - Lower Marina Area / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS Seasonal, Open, and Conditionally Approved shellfish condemnation # 054-215 M2, C22 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.053
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish Conditionally Approved -condemnation # 053-137 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.047
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 D (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.025
VAT-C07E_INB01A04 / DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River / South shore trib. to Southwest Branch Back R. Located near mouth of SW Branch, west of unnamed DSS Inlet #1. DSS Restricted condemnation # 054-021 (effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.008
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.116
VAT-C07E_LMC02A16 / Lambs Creek - Mouth / Mouth of Lambs Creek located on South shore tributary to Poquoson R, west of Poquoson Shores. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.047

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LON01A06 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting Admin condemnation # 054-215 C (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.043
VAT-C07E_LON01B12 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish ADMIN harvesting condemnation # 054-215 C (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.055
VAT-C07E_LON02A10 / Long & Grunland Creeks - DSS Admin Area / South shore trib. to mainstem Back R. Portion adjacent to Grandview area. CBP Segment CB8PH. DSS shellfish harvesting condemnation # 055-216 A ADMIN. Cond. (effective 20080530).	5A	PCBs in Fish Tissue	2006	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20200615).	5A	PCBs in Fish Tissue	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - Middle and Lower / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. Lower portion of Lyons Cr. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C13 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.050
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.079
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.220

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.669
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS Conditionally Approved and Open shellfish condemnation # 054-021 {effective 20221115}.	5A	PCBs in Fish Tissue	2006	L	0.539
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.356
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN and Conditionally Approved) shellfish harvesting condemnation # 053-137 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.995
VAT-C07E_POQ03A08 / Poquoson River - Mouth / From Hunts Point a wedge NW across Poquoson River mouth to northern shore. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-221 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	1.492
VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.119
VAT-C07E_ROB01A04 / Roberts Creek - Upper / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS ADMIN Shellfish condemnation # 053-222 A (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.104
VAT-C07E_ROB02A08 / Roberts Creek - Lower [DSS-OPEN] / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS OPEN Shellfish condemnation # 053-222 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.009

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth [DSS OPEN -No TMDL] / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.424
VAT-C07E_SWB03A20 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation seasonally restricted and conditionally condemned areas # 054-021 B (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.556
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of Admin DSS shellfish condemnation # 054-021 F (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.073
VAT-C07E_TBC02A10 / Tabbs Creek Mouth - NW Br Back River / Tributary to Northwest Branch Back River, mouth of creek. CBP segment MOBPH. Portion of DSS Conditionally Approved shellfish condemnation # 054-021 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.034
VAT-C07E_THR01A10 / Sandbox Area NW Thorofare / Sandbox Area NW Thorofare Inlet near Goodwin Neck. CBP Segment MOBPH. DSS OPEN condemnation 053-051 (effective 20220515).	5A	PCBs in Fish Tissue	2006	L	0.012
VAT-C07E_WAL01A06 / Wallace Creek - Upper (Back River) / Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most upstream tip of creek. CBP segment MOBPH. DSS (PROHIBITED - ADMIN COND) shellfish condemnation # 054-215 B& D (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.036
VAT-C07E_WAT01A06 / Watts Creek - (NW Br. Back River) / Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. CBP segment MOBPH. Portion of DSS condemnation # 054-021 C21 (effective 20221115).	5A	PCBs in Fish Tissue	2006	L	0.058
VAT-C07E_WHH01A06 / White House Cove - Bennet Cr. Area / Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. DSS Admin Shellfish Condemnation # 053-222 C (effective 20220515)	5A	PCBs in Fish Tissue	2006	L	0.174

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. DSS Shellfish 053-222 open condemnation (effective 20220515)	5A	PCBs in Fish Tissue	2006	L	1.040
VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20221115).	5A	PCBs in Fish Tissue	2006	L	0.097

Chesapeake Bay and Tidal Tributaries VDH Fish Consumption Advisory for PCBs

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:	16.029		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-02-03-BAC Fort Monroe Beaches

Cause Location: All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

Cause City/County: Chesapeake Bay - County Not Applicable; Hampton

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: 2024 VA623963: Impaired- geomean exceedance in any 90-day period, ENTER: Number of 90 day windows with > 10% STV exceedance rate: 0

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FMB01A12 / Fort Monroe Beaches / All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	Enterococcus	2024	L	0.333

Fort Monroe Beaches

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.333		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-02-BAC Newmarket Creek - Upper and Lower

Cause Location: This cause encompasses from the end of tidal waters at Terrant ES (approx. RM 5.1) downstream to confluence with SW Branch Back River. South of Blue Bird Gap Farm area. CBP Segment MOBPH.

Cause City/County: Hampton

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use was impaired in the 2018 IR cycle due to exceedances of the criteria for Enterococcus bacteria, from data collected at the DEQ station @ 7-NEW001.92 (1 viol. / 5 obs.); the impairment was retained in the 2020 IR cycle due to the lack of new data. Data was collected at station 7-NEW000.95 in the 2022 IR cycle, but there was insufficient data to analyze the geometric mean. The impairment will be retained again in the current cycle.

Recreation and Shellfish bacteria impairments covered under TMDL for Back River (EPA approved 8/2/2006 modified 4/24/2014, 2/9/2018). (VAT-C07E-02)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Enterococcus	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Enterococcus	2006	L	0.079

Newmarket Creek - Upper and Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.152		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-04-BAC Poquoson River - Upper

Cause Location: This cause encompasses the area from Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH.

Cause City/County: York County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is not supporting due to Enterococcus concentrations at station 7-POQ004.1 (21 exceedances / 31 observations) exceeding the swimming indicator criteria. 1998 CD segment for FC (Attachment A, Category 1, Part 1) VAT-C07E-04. Covered under TMDL for Poquoson River (EPA approved 8/2/2006), TMDL EPA approved (VAT-C07E-11-SF) for Fecal Coliform [25403] 8/2/2006, modified 3/19/2014, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20220515).	4A	Enterococcus	1998	L	0.356

Poquoson River - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.356		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-05-BAC SW Br Back R - DSS OPEN [TMDL]

Cause Location: This cause encompasses the headwaters of Southwest Branch downstream to Langley View. CBP segment MOBPH.

Cause City/County: Hampton

Use(s): Recreation; Shellfishing

Causes(s)/VA Category: Enterococcus/4A; Fecal Coliform/4A

Cause Description: The Recreation Use is not supporting due to previous Fecal Coliform data recorded @7-SWB000.00 during the 2002 IR which indicated exceedance of the bacteria criteria. There are no current data for Enterococcus bacteria data to assess the Recreation Use. Covered under TMDL for Back River - Southwest Branch was EPA approved [33839] for Fecal Coliform (VAT-C07E-22-SF) 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth [DSS OPEN -No TMDL] / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20221115).	4A	Enterococcus	2002	L	0.424

SW Br Back R - DSS OPEN [TMDL]

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.424		

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Fecal Coliform	1998	L	0.706
VAT-C07E_SWB03A20 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation seasonally restricted and conditionally condemned areas # 054-021 B (effective 20221115).	4A	Fecal Coliform	1998	L	0.556

SW Br Back R - DSS OPEN [TMDL]

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	1.263		

SW Br Back R - DSS OPEN [TMDL]

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	1.263		

Sources: Agriculture; Discharges from Municipal Separate Storm Sewer Systems (MS4); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-06-SF Lambs Creek - Poquoson River

Cause Location: This cause encompasses this south shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Creek and Roberts Cr to east. CBP Segment MOBPH.

Cause City/County: Poquoson City; York County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on DSS Condemnation 053-137 C (effective 20220515). This AU (part of Lambs Cr) was delisted in 2016 for Fecal Coliform - C07E-06-SF (1998).

Lambs Creek is covered under TMDL for Poquoson River - Lambs Creek [EPA approved 8/2/2006, VAT-C07E-06-SF for Fecal Coliform [31190] 8/2/2006, modified 3/19/2014. 1999 CD segment (Attachment A, Category 3) TMDL ID VAT-C07E-06.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20220515).	4A	Fecal Coliform	1998	L	0.116

Lambs Creek - Poquoson River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.116		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-07-SF Patricks Creek - Poquoson River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-137 B (effective 20180425).

Cause City/County: York County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Shellfish Use is impaired based on DSS Shellfish condemnation 053-137 B (effective 20220515). 2006 IR ID = 053-137D. Including Moores & Quarter March Creeks. Shellfish bacteria impairments covered under TMDL for Poquoson River - Patricks Creek (EPA approved 8/2/2006). TMDL EPA approved (VAT-C07E-07-SF) for Fecal Coliform [31196] 8/2/2006 modified 3/19/14, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20220515).	4A	Fecal Coliform	2004	L	0.119

Patricks Creek - Poquoson River

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.119		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-10-SF Mainstem Back River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-151 A & B (effective 20180425)

Cause City/County: York County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-10. Previously (2006) TMDL-ID = VAT-C07E-10. Contained in TMDL for Poquoson River (25403) VAT-C07E-11-SF EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A (effective 20220515).	4A	Fecal Coliform	1998	L	0.248
VAT-C07E_BCK02A06 / Back Creek - Middle (DSS-marina area) / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (effective 20220515).	4A	Fecal Coliform	2024	L	0.112

Mainstem Back River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.36		

Sources: Agriculture; Discharges from Municipal Separate Storm Sewer Systems (MS4); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Rural (Residential Areas); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-11-SF Poquoson River - Upper [TMDL - CD]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-137 A, 20200615.

Cause City/County: York County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 053-137A. Included in Poquoson R. TMDL 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20220515).	4A	Fecal Coliform	1998	L	0.356

Poquoson River - Upper [TMDL - CD]

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.356		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-14-SF Harris River - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215A (effective 2018-10-18).

Cause City/County: Hampton

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation.

1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-14. Harris R. covered under TMDL ID VAT-C07E-14-SF (31210), Harris River (Back River), EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_HAR01A24 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	4A	Fecal Coliform	1998	L	0.077

Harris River - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.077		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-15-SF DSS Inlet 1 - Unnamed Inlet at Mouth of SW Branch

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 C (effective 20181018).

Cause City/County: Hampton

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation 054-021 D. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-15. EPA approved 2/1/2018 for VAT-C07E-15-SF [31209].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 D (effective 20221115).	4A	Fecal Coliform	1998	L	0.025

DSS Inlet 1 - Unnamed Inlet at Mouth of SW Branch

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.025		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-20-SF Back Creek - Inlet near Dandy Point

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215 , effective 20221115

Cause City/County: Hampton

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired based on shellfish condemnation 054-215, effective 20221115.

Shellfish bacteria impairment covered under TMDL for Back River - Wallace Creek (EPA approved 2/9/2018). Referenced in TMDL as Inlet 2 as a part of shellfish condemnation 21-H or VAT-C07E-20 TMDL ID.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20221115.	4A	Fecal Coliform	2014	L	0.034

Back Creek - Inlet near Dandy Point

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.034		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Pumpout Releases; Marina/Boating Sanitary On-vessel Discharges; Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-22-SF Newmarket Creek trib and Southwest Branch (not including headwaters downstream to Langley View) - Back River

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 B, 20221115.

Cause City/County: Hampton

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Previously listed (2006 IR) under TMDL-ID: VAT-C07E-22. Covered under TMDL ID VAT-C07E-22-SF (33839), Back River, Southwest Branch, EPA approved 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Fecal Coliform	1998	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Fecal Coliform	1998	L	0.079

Newmarket Creek trib and Southwest Branch (not including headwaters downstream to Langley View) - Back River

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.152		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-23-SF Chisman Creek - Upper and Goose Cr

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-221 A,B and 054-215 C 20181018.

Cause City/County: York County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A; Fecal Coliform/5A

Cause Description: The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation DSS condemnation 053-221 A,B, M2, H (effective 20220515). Considered NESTED under TMDL ID VAT-C07E-23-SF (25405), Chisman Creek (Poquoson River), EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A (effective 20220515).	4A	Fecal Coliform	1998	L	0.224
VAT-C07E_CHS02B24 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	5A	Fecal Coliform	2024	L	0.029
VAT-C07E_CHS02C22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Goose Creek to Seaford Shores area. CBP Segment MOBPH. DSS Restricted condemnation # 053-221 F (effective 20220515).	4A	Fecal Coliform	2024	L	0.075
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 G (effective 20220515).	4A	Fecal Coliform	1998	L	0.052

Chisman Creek - Upper and Goose Cr

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.379		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Source Unknown; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-25-SF Lyons Creek - Upper, Middle

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222 B, 20180425.

Cause City/County: Poquoson City

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Covered in Poquoson River TMDL EPA approved 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LYO01A06 / Lyons Creek - Upper / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20200615).	4A	Fecal Coliform	2006	L	0.07

Lyons Creek - Upper, Middle

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.07		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-26-SF Floyds Bay

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222D (effective 20200615).

Cause City/County: Poquoson City

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS Shellfish condemnation. The modified Poquoson River and Back Creek TMDL (55841) EPA approved 2/1/2018 includes Floyds Bay.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20220515). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.024

Floyds Bay

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.024		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-33-EBEN Northwest Br. Back River - Upper near Marsh Point

Cause Location: This cause encompasses the impairment located in the Northwest Branch Back River - Upper portion near Marsh Point. This cause encompasses the benthic community related to the ProbMon station 7-NWB002.18.

Cause City/County: Hampton; Poquoson City

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per benthic community structure analysis. There is no source/stressor currently identified as source for the impairment. Probable effects (chronic and acute) of sediment contamination - pesticides (DDT exceeded ERM), metals and PAHs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2010	L	0.669

Northwest Br. Back River - Upper near Marsh Point

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.669		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-38-SF Bennett Creek - Upper (DSS-06-IR)

Cause Location: This cause encompasses the Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1mi. CBP Segment MOBPH.

Cause City/County: Poquoson City

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on DSS Condemnation 053-222 E (effective date 20220515). This segment is within the 2/9/2018 Poquoson Bacteria TMDL modification. Moved to 4A in 2018 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20220515).	4A	Fecal Coliform	2012	L	0.039

Bennett Creek - Upper (DSS-06-IR)

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.039		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Rural (Residential Areas); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-41-SF Unsegmented estuaries in Back River - DSS

Cause Location: This cause encompasses the non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation 054-021 B (effective date 20201115).

Cause City/County: Hampton

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired based on the DSS Condemnation DSS Condemnation 054-021 B (effective date 20221115). Segment included in the 2014 and 2018 TMDL modifications for Back River Bacteria TMDL Project ID 10804.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20221115).	4A	Fecal Coliform	2012	L	0.097

Unsegmented estuaries in Back River - DSS

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.097		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-42-SF Front Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 M1 (effective 20201115).

Cause City/County: Hampton; Poquoson City

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS shellfish harvesting area 054-021 D (effective 20201115). Covered under TMDL for Back River - Front Cove (EPA approved 2/9/2018). 1999 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-12.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.042
VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	4A	Fecal Coliform	2022	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20221115).	4A	Fecal Coliform	2024	L	0.053

Front Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.13		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Marina/Boating Sanitary On-vessel Discharges; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-43-BAC Buckroe Beaches

Cause Location: This cause encompasses the area northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.

Cause City/County: Hampton

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impaired based on Enterococcus bacteria data from the VDH-Beach station VA884979 (6 viol. / 20 Geo-mean obs.) along with multiple swimming advisories between the years 2013-2018. Buckroe Beaches.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	5A	Enterococcus	2016	L	0.224

Buckroe Beaches

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.224		

Sources: Urban Runoff/Storm Sewers; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-44-BAC Chisman Creek - Lower

Cause Location: This cause encompasses the lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth including the inlet on the right coming into the mouth of the Chisman Creek. CBP Segment MOBPH.

Cause City/County: York County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired in the 2020 IR. Both merged segments VAT-C07E_CHS02A06 and VAT-C07E_CHS02B06 are included in the impairment for the 2006 CFL based on station 7-CHS000.84. Enterococci data from Station 7-CHS000.84 violates 5 times out of 30 obs. Station was first listed as impaired in the 2006 IR and maintained impairment for recreation use until it was delisted in the 2010 IR with 2 viol / 32 obs. The station has maintained support for Recreation Use for the 2010, 2012 and 2014 Assessments. Previous Cause Group Code , C07E-29-BAC. 2016 the re-listing the impairment will get a new Cause Group Code, C07E-44-BAC.

Upper portion of Assessment Unit is includes in the TMDL (includes station 7-CHS000.84 to Boathouse Creek). The remaining piece of AU were nested in the 2016 IR for the Enterococci impairment under the SF TMDL. This segment is considered NESTED under TMDL ID VAT-C07E-23-SF (25405), Chisman Creek (Poquoson River), EPA approved 2006, modified 3/19/2014 and 2/9/2018 with EPA ID 55841.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BTH01B22 / Chisman Creek-Lower North Shore (Marina) / Downstream section of Boathouse Creek, from Anchor Drive to mouth. CBP Segment MOBPH. DSS Conditionally Approved S141 condemnation # 053-221 (effective 20220515).	4A	Enterococcus	2006	L	0.037
VAT-C07E_CHS02A06 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Spivey Road to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 (effective 20220515).	4A	Enterococcus	2006	L	0.386
VAT-C07E_CHS02B22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	4A	Enterococcus	2006	L	0.152
VAT-C07E_CHS02B24 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	4A	Enterococcus	2006	L	0.029
VAT-C07E_CHS02C22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Goose Creek to Seaford Shores area. CBP Segment MOBPH. DSS Restricted condemnation # 053-221 F (effective 20220515).	4A	Enterococcus	2006	L	0.075

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. Admin DSS condemnation # 053-221 E (effective 20220515).	4A	Enterococcus	2006	L	0.006

Chisman Creek - Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.684		

Sources: Non-Point Source; Urban Runoff/Storm Sewers; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO); Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-46-EBEN Northwest Br. Back River - Lower

Cause Location: This cause encompasses the area from the confluence of Topping Creek downstream to confluence with mainstem Back R.

Cause City/County: Hampton; Poquoson City

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Aquatic life Use is impaired for benthics in the 2018 IR based on WoE Probmon station 7-NWB000.34 sampled in 2016. The WoE assessment result is 5A with a high probability of cumulative chronic effects of sediment pesticides (DDT) , PAHs and metals. ProbMon WoE station 7BNWB000.82 sampled in 2014 Assessment is insufficient (comments : potential of cumulative effects of sediment metals; muddy - 68% fines.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS Conditionally Approved and Open shellfish condemnation # 054-021 {effective 20221115}.	5A	Estuarine Bioassessments	2018	L	0.539

Northwest Br. Back River - Lower

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.539		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07E-51-EBEN Southwest Br. Back River

Cause Location: Lower portion to confluence with mainstem Back River. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation 054-021 (effective 20181018).

Cause City/County: Hampton

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Benthic probmon. Moderate potential for cumulative chronic effects of sediment metal contamination.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth [DSS OPEN -No TMDL] / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20221115).	5A	Estuarine Bioassessments	2020	L	0.424

Southwest Br. Back River

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.424		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07L-01-CU Harwoods Mill Reservoir

Cause Location: This cause encompasses the Harwood Mills Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.

Cause City/County: York County

Use(s): Aquatic Life; Wildlife

Causes(s)/VA Category: Copper/5A

Cause Description: The Aquatic Life and Wildlife impairments are carried from 2004 IR, due water column copper exceedances of the freshwater acute criteria (data supplied by USGS @ station 01677850 - surface layer in September 2002). Exceedance of Cu freshwater acute criteria at violation rate of 100% (3 violates / 3 surface obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07L_POQ01A04 / Harwoods Mill Reservoir (PWS) / Harwoods Mill Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.	5A	Copper	2004	L	257.69

Harwoods Mill Reservoir

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Copper - Total Impaired Size by Water Type:		257.69	

Harwoods Mill Reservoir

Wildlife	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Copper - Total Impaired Size by Water Type:		257.69	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07L-02-DO Harwoods Mill Reservoir (PWS)

Cause Location: This cause encompasses the Harwood Mills Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.

Cause City/County: York County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impaired for DO. The pooled DO violation rate is 10.7% with 9 viol / 85 obs. Individual station violations are 7-POQ005.72 @ 7/50 and 7-POQ006.84 @ 2/35. Previously in the 2014 IR, the DO was delisted based on a violation rate 8.3%. The DO was initially listed in 2004 with a CGC VAT-C07L-01-DO.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07L_POQ01A04 / Harwoods Mill Reservoir (PWS) / Harwoods Mill Reservoir, portion of Poquoson River upstream of dam @ RM 5.7. PWS for York County.	5A	Dissolved Oxygen	2004	L	257.69

Harwoods Mill Reservoir (PWS)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		257.69	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07R-01-DO Newmarket Creek - Lower Riverine

Cause Location: This cause encompasses Newmarket Creek from 0.1 mi. below Chestnut Ave. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

Cause City/County: Hampton

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use impairment is retained based on data for DO at station 7-NEW005.44 with 3 exc/ 12 samples. More monitoring is needed to assess this segment.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_NEW01A06 / Newmarket Creek - Lower Riverine / From Mercury Blvd. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.	5A	Dissolved Oxygen	2006	L	3.96

Newmarket Creek - Lower Riverine

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			3.96

Sources: Municipal (Urbanized High Density Area); Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07R-02-BAC Newmarket Creek - Lower Riverine

Cause Location: From Mercury Blvd. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.

Cause City/County: Hampton

Use(s): Recreation

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Recreation Use is impaired based on E.coli data from station 7-NEW005.44 with 6 exc/ 12 samples. Newmarket Creek was listed for fecal coliform in 2006 . Recreation bacteria impairment covered under TMDL for Back River (EPA TMDL ID = 31234, 2/9/2018).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_NEW01A06 / Newmarket Creek - Lower Riverine / From Mercury Blvd. downstream to 0.65 mi. below Aberdeen Rd. crossing. Lowermost riverine portion, prior to start of tidal influence. In area of Mount Olive Cemetery.	4A	Fecal Coliform	2006	L	3.96

Newmarket Creek - Lower Riverine

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:			3.96

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C07R-03-BEN UT to Big Bethel Reservoir

Cause Location: This cause encompasses this tributary that crosses Saunders Rd and upstream of Oyster Point City Center.

Cause City/County: Hampton; Poquoson City; York County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is not supported based on 2016 fair Fall VCPMI score of 28.1. This is a probabilistic site that sample in the fall of 2016. This is a small urban tributary that flows into Big Bethel Reservoir. There are obvious signs of human disturbance.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07R_XFD01A18 / UT to Big Bethel Reservoir / Trib to Big Bethel that crosses Saunders Rd ; upstream to Oyster Point City Center	5A	Benthic Macroinvertebrates Bioassessments	2018	L	2.91

UT to Big Bethel Reservoir

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.91

Sources: Source Unknown; Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-01-EBEN LYNPH

Cause Location: This cause encompasses the entirety of Lynnhaven River, Broad Bay and Little Neck Creek. CBP segment LYNPH. BIBI segment LYNPHa.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The source/stressor tool identified sediment contaminants as source for the impairment.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_BBY01A14 / Broad Bay / East of Lynnhaven River. Located adjacent to Broad Bay Colony area of VB. CBP segment LYNPH. BIBI segment LYNPHa. DSS (OPEN) shellfish direct harvesting condemnation # 071-095 (effective 20220915)	5A	Estuarine Bioassessments	2008	L	1.226
VAT-C08E_BBY01B10 / Broad Bay - Upper, UTs W. Shore [Admin Cond] / East of Lynnhaven River. Located adjacent to Broad Bay Colony area. UTs along W. Shore of Broad Bay [Admin Cond]. CBP segment LYNPH. BIBI segment LYNPHa. DSS (Admin Cond) shellfish condemnation # 071-095 D, F, H (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.039
VAT-C08E_CRY01A00 / Crystal Lake / Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. CBP segment LYNPH. DSS ADMIN condemnation # 071-010 B (effective 20200315).	5A	Estuarine Bioassessments	2008	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.042
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.006
VAT-C08E_DEY03A24 / Dey Cove/Mill Dam Creek / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa.	5A	Estuarine Bioassessments	2008	L	0.033

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.434
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20200315).	5A	Estuarine Bioassessments	2008	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa Restricted-condemn DSS shellfish direct harvesting condemnation # 071-010 A (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.133
VAT-C08E_LKN02A10 / Linkhorn Bay - Lower / Located adjacent to Linkhorn Estates area of VB upstream to Alanton at The Narrows. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS OPEN shellfish direct harvesting area # 071-010 (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.489
VAT-C08E_LKN02B10 / Linkhorn Bay - Coves [Admin Condem] / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS [Admin Cond] shellfish direct harvesting condemnation # 071-010 (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.188
VAT-C08E_LKN02B24 / Linkhorn Bay - Linkhorn Shores / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS Restricted shellfish direct harvesting condemnation # 071-010 (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.035
VAT-C08E_LKN03B20 / Linkhorn Bay - Upper / Southern tip of Linkhorn Bay, north of Rt. 264. CBP segment LYNPH. No DSS category.	5A	Estuarine Bioassessments	2008	L	0.004

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LNC01A00 / Little Neck Creek - Upper / Eastern shore tributary of Linkhorn Bay, near Laskin Road and south of Linkhorn Park. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 A (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.078
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-010 I effective 20220915	5A	Estuarine Bioassessments	2008	L	0.035
VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Restricted-condemnation # 071-010 A (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.144
VAT-C08E_LNC02B12 / Little Neck Creek-Lower (DSS ADMIN) / Embayments adjacent to Little Neck Creek. Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 (effective 20200315).	5A	Estuarine Bioassessments	2008	L	0.082
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.059
VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20220915).	5A	Estuarine Bioassessments	2008	L	0.316
VAT-C08E_LYN01A06 / Lynnhaven River & Bay - Mainstem / Tributary to south shore of Chesapeake Bay. Mainstem area near mouth. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 070-025 C1 Conditionally Approved (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.982
VAT-C08E_LYN01B10 / Lynnhaven River & Bay Coves [Admin Cond] / Embayments of LYN01A06 [DSS Admin Cond]. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN shellfish harvesting condemnation # 070-025 (A-M) (effective 20180206) .	5A	Estuarine Bioassessments	2008	L	0.557

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP segment LYNPH. DSS shellfish conditional approval condemn # 070-025 C1 (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.149
VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.286
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.151
VAT-C08E_WES01B16 / Western Branch - Middle, Lynnhaven River / From Witch Duck Bay to Witchduck Point. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN condemnation #070-025 H (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.174
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.156
VAT-C08E_WES03A10 / Western Branch - Lower, Lynnhaven River / From Bayville Creek downstream to confluence with mainstem. CBP segment LYNPH. BIBI segment LYNPHa. DSS Conditionally Condemned shellfish condemnation #070-025 C1 (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.170
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	5A	Estuarine Bioassessments	2008	L	0.084
VAT-C08E_ZZZ01A00 / Unsegmented tidal tributaries in C08E-LYNPH / Tidal tributaries to Eastern and Western Branch Lynnhaven River. Portion of CBP segment LYNPH. BIBI segment LYNPHa. Portions of DSS shellfish ADMIN condemnation # 070-025 A & H (effective 20180206).	5A	Estuarine Bioassessments	2008	L	0.959

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_ZZZ01B10 / Unsegmented tidal tributary to Lynnhaven R. & Linkhorn Bay / Unsegmented tidal tributaries to Lynnhaven R. & Linkhorn Bay. CBP segment LYNPH. No DSS category.	5A	Estuarine Bioassessments	2008	L	0.206

LYNPH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	7.936		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Contaminated Sediments; Industrial Point Source Discharge; Industrial Thermal Discharges; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-01-PCB Eastern Branch -Lynnhaven River System VDH Fish Consumption Advisory

Cause Location: This cause encompasses the Eastern Branch of the Lynnhaven River System and Chesapeake Bay Beaches.

Cause City/County: Hampton; Norfolk; Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory for Chesapeake Bay and tidal tributaries for PCBs issued 12/13/04 and updated 10/07/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	H	0.353
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.140
VAT-C08E_CBB01C16 / 10th View Beach / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.152
VAT-C08E_CBB02A16 / Ches Bay Beaches / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.612
VAT-C08E_CBB02B20 / North Community Beach / Located along Chesapeake Bay. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.044
VAT-C08E_CBB02B24 / Ches Bay Beaches - 21st Bay St., North End behind Ship's Captain Restaurant / 21st Bay St., North End behind Ship's Captain Restaurant, Located along Chesapeake Bay. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.019
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.433
VAT-C08E_CBB04A16 / Shore Drive Beaches -East / Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.903

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB04B24 / Lesner Bridge East / LESNER BRIDGE EAST, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.008
VAT-C08E_CBB04C24 / First Landing State Park / FIRST LANDING STATE PARK, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	PCBs in Fish Tissue	2006	L	0.130
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20180206).	5A	PCBs in Fish Tissue	2006	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20180206).	5A	PCBs in Fish Tissue	2006	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20180206).	5A	PCBs in Fish Tissue	2006	L	0.434
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20200315).	5A	PCBs in Fish Tissue	2006	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa Restricted-condemn DSS shellfish direct harvesting condemnation # 071-010 A (effective 20220915).	5A	PCBs in Fish Tissue	2006	L	0.133

Eastern Branch -Lynnhaven River System VDH Fish Consumption Advisory

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:	3.952		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-03-BAC Thalia Creek, Thurston Branch and Buchanan Creek

Cause Location: This cause encompasses the beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS condemnation 070-036 A (effective 20120518).

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to exceedance at station 7-THA000.76 (27 violates / 35 obs.) of the criteria for Enterococcus bacteria.

A TMDL for Shellfishing Use has been completed and EPA approved in 2004 (25408, VAT-C08E-07) which includes the Recreation Use under TMDL ID VAT-C08E-03. NESTED: 25408, 3/22/2004.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20180206).	4A	Enterococcus	2006	L	0.286

Thalia Creek, Thurston Branch and Buchanan Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.286		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-05-BAC London Bridge Creek

Cause Location: This cause encompasses entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing.

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to exceedance at station 7-LOB001.79 (22 violates / 31 obs.) of the criteria for Enterococcus bacteria. Previously (2006 IR) User Flag ID as VAT-C08E-05.

A TMDL for Fecal Coliform bacteria has been completed and EPA approved in 2005 (24490) which includes the Recreation Use under TMDL ID VAT-C08E-05.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20180206).	4A	Enterococcus	2006	L	0.059

London Bridge Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.059		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-07-BAC West Neck Creek (Upper) and Canal 2

Cause Location: This cause encompasses the area from Princess Anne Rd. crossing downstream to junction with London Bridge Creek at Shipps Corner area. Segment has been determined by USGS to drain to C08E (Lynnhaven River). Portion of CBP segment LYNPH. No DSS shellfish d

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired based on station 5BWNC010.02 (24 violates / 32 obs.) of the criteria for Enterococcus bacteria. 7-XBO001.30 (5 violates / 6 obs.)

Previously (2006 IR) User Flag ID as VAT-C08E-07. A TMDL for Fecal Coliform bacteria has been completed and EPA approved in 2005 (VAT-C08E-07) which includes the Recreation Use under TMDL ID VAT-C08E-07.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	4A	Enterococcus	1998	L	0.084
VAT-C08E_XBO01A00 / Canal No. 2 / Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH.	4A	Enterococcus	1998	L	0.040

West Neck Creek (Upper) and Canal 2

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.124		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-10-SF Dey Cove/Mill Dam Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 071-095 E (effective 20190215).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 071-095 E (effective 20220915). TMDL completed and EPA approved (3/22/2004) which included VAT-C08E-10.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	4A	Fecal Coliform	1998	L	0.042

Dey Cove/Mill Dam Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.042		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-13-SF Lynnhaven River System

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 070-025 A, 2/18/2018.

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired based on DSS 070-025 A (effective 20180218).

Previously (2006 IR) User Flag ID as VAT-C08E-13. A TMDL for Shellfishing Use has been completed and EPA approved (VAT-C08E-13) in 2004 which includes VAT-C08E-13.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20180206).	4A	Fecal Coliform	1998	L	0.434
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20180206).	4A	Fecal Coliform	1998	L	0.156

Lynnhaven River System

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.591		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-14-BAC Sara Constance Park, East End

Cause Location: This cause encompasses the area located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

Cause City/County: Norfolk

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impaired based on data from the VDH Beach Monitoring Program geometric mean violation, swimming advisories and joint VDH-DEQ assessment review at Sara Constance Park VDH station VA742733 and Ocean View Park Beach station VA509547. Stations exceeds the monthly geometric mean in 9/2014 (1 viol / 24 mos geomean obs). Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Tidewater beaches experienced a wide spread precipitation event on Sept 8 with a total of 5 inches of rainfall. Since the event is within the last two years of the assessment period, the beach is impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2014	L	0.14

Sara Constance Park, East End

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.14		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-15-BAC 13th View Beach

Cause Location: This cause encompasses the area along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

Cause City/County: Hampton; Norfolk

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impaired in the 2020 IR based on Enterococcus bacteria data from the VDH-Beach station VA845980 (1 viol. / 24 Geo-mean obs.) along with multiple swimming advisories between the years 2013-2018. The Monthly Geometric Mean violation occurred in July 2013 with no storm event to associate with the exceedance therefore 13th View Beach is newly listed as impaired in the 2020 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2016	L	0.353

13th View Beach

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.353		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-18-SF Little Neck Creek-Lower [Condemned SF]

Cause Location: This cause encompasses the eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation 071-010 I effective 20220915

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on the Condemnation 071-010 I effective 20220915. Newly listed as impaired in the 2016 IR. Previously the use was supported with old DSS shellfish direct harvesting condemnation 071-010 H (effective 20130412).

This is a new Cause Group Code and AU however this segment of Little Neck Creek was included in the EPA approved TMDL . Previously (2006 IR) listed as TMDL-ID: VAT-C08E-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-010 I effective 20220915	4A	Fecal Coliform	2016	L	0.035

Little Neck Creek-Lower [Condemned SF]

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.035		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-19-BAC 10th View Beach

Cause Location: Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH.

Cause City/County: Norfolk

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impaired due to data collected by VDH @ Station VA912105. There was 1 geometric mean exceedance in 2018 without a precipitation event pairing the violation. There were multiple swimming advisories in the 2020 IR cycle as well.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB01C16 / 10th View Beach / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2020	L	0.152

10th View Beach

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.152		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-19-SF Linkhorn Bay

Cause Location: Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. DSS shellfish direct harvesting condemnation 071-010 (effective 20220915).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is now impaired based on the VDH DSS Restricted-condemn 071-010 A effective date 20220915.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa Restricted-condemn DSS shellfish direct harvesting condemnation # 071-010 A (effective 20220915).	4A	Fecal Coliform	2020	L	0.133
VAT-C08E_LKN02B24 / Linkhorn Bay - Linkhorn Shores / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS Restricted shellfish direct harvesting condemnation # 071-010 (effective 20220915).	4A	Fecal Coliform	2024	L	0.035

Linkhorn Bay

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.168		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Livestock (Grazing or Feeding Operations); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Wastes from Pets

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-20-BAC North Community Beach

Cause Location: Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH.

Cause City/County: Norfolk

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: Recreation is now impaired due to the presence of a geometric mean exceedance at North Community Beach Station ID VA536165 (1 viol / 22 obs) without a precipitation event pairing the violation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB02B20 / North Community Beach / Located along Chesapeake Bay. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2024	L	0.044

North Community Beach

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.044		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-21-SF Little Neck Creek-Lower

Cause Location: Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Restricted-condemnation 071-227 A (effective 20200315).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Shellfish Use is impaired based on DSS shellfish direct harvesting Restricted-condemnation 071-010 A (effective 20220915).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Restricted-condemnation # 071-010 A (effective 20220915).	4A	Fecal Coliform	2020	L	0.144

Little Neck Creek-Lower

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.144		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-22-BAC Long Creek

Cause Location: Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation 071-095 A,B,C, I (effective 20180206).

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impaired due to Level III enterococcus data collected @ CITMON Station 7LCR-LRN06-LRN by citizen monitoring group Lynnhaven River Now.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20220915).	5A	Enterococcus	2020	L	0.316

Long Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.316		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-22-SF Dey Cove/Mill Dam Creek- Mouth

Cause Location: This cause encompasses the area attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation 071-095 E (effective 20190215).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on the DSS Condemnation - Restricted 071-095 E (effective 20220915).

The segment was partially delisted and supporting from the 2018 IR to the 2020 IR cycle.

Segment was impaired in the 2016 IR within AU VAT-C08E_DEY01A00. Split AU for now open area at the mouth of Dey Cove, Mill Dam Cr in the 2018 IR cycle.

Segment was included in the TMDL-ID: VAT-C08E-10 and the EPA approved Lynnhaven River, Broad Bay and Linkhorn Bay watersheds TMDL for Shellfishing Use has been completed and EPA approved (VAT-C08E-11) in 2004 which includes VAT-C08E-10. 1998 CD segment for shellfish (Attachment A, Category 3) VAT-C08E-10.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	4A	Fecal Coliform	2022	L	0.006

Dey Cove/Mill Dam Creek- Mouth

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.006		

Sources: Discharges from Municipal Separate Storm Sewer Systems (MS4); Municipal (Urbanized High Density Area); Natural Sources; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-23-BAC Linkhorn Bay-Upper

Cause Location: Southern tip of Linkhorn Bay, north of Rt. 264. CBP segment LYNPH.

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: Citizen monitoring group Lynnhaven River Now collected Level III Enterococcus data (19 viol / 27 obs) which constitutes an impaired/not supporting status due to sufficient Recreation Use data @ Station 7GNC-LRN03-LRN.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LKN03B20 / Linkhorn Bay - Upper / Southern tip of Linkhorn Bay, north of Rt. 264. CBP segment LYNPH. No DSS category.	5A	Enterococcus	2020	L	0.004

Linkhorn Bay-Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.004		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-24-BAC Ches Bay Beaches

Cause Location: Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

Cause City/County: Norfolk; Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is not supported based on data from the VDH Beach Monitoring Program swimming advisories and joint VDH-DEQ assessment review. Beaches evaluated in this segment include: East Community Beach -VA821032, 5th St Bay -VA888917, and Capeview Ave - VA938849. All stations had impaired enterococcus data

VA821032 - Impaired - 2 or more STV exceedances in the same 90-day period represented by 10+ samples, no geomean exceedances. VA888917 - Impaired- geomean exceedance in any 90-day period. VA938849 - Impaired- geomean exceedance in any 90-day period.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB02A16 / Ches Bay Beaches / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2024	L	0.612

Ches Bay Beaches

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.612		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08E-26-BAC Shore Drive Beaches - Lesner Bridge East and First Landing State Park

Cause Location: Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH.

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is not supporting based on data from the VDH Beach Monitoring Program swimming advisories and joint VDH-DEQ assessment review. Enterococci data at station VA209936 are Impaired - 2 or more STV exceedances in the same 90-day period represented by 10+ samples, no geomean exceedances. Enterococci data at station VA960898 are Impaired- geomean exceedance in any 90-day period.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB04B24 / Lesner Bridge East / LESNER BRIDGE EAST, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2024	L	0.008
VAT-C08E_CBB04C24 / First Landing State Park / FIRST LANDING STATE PARK, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2024	L	0.130

Shore Drive Beaches - Lesner Bridge East and First Landing State Park

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.138		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-01-CHLA Lake Whitehurst

Cause Location: This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

Cause City/County: Norfolk; Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Chlorophyll-a/5A

Cause Description: Aquatic Life Use is impaired for nutrients. 2016 Lake Whitehurst pooled nutrient results: 1 viol/ 1 obs Chla & TP 2011 (IM). The 2008 second year of nutrients data dropped out of the assessment window. 2014

Lake Whitehurst pooled nutrient results: 2 viol / 2 obs Chla & TP 2008, 2011 (IM). No new data in the 2020 IR cycle; impairment remains.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	5A	Chlorophyll-a	2010	L	482.29

Lake Whitehurst

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Chlorophyll-a - Total Impaired Size by Water Type:		482.29	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-01-DO Lake Whitehurst

Cause Location: This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

Cause City/County: Norfolk; Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: Aquatic Life Use is impaired for DO. The Aquatic Life Use impairment is retained for 2020. Most of the data dropped off this assessment cycle. The pooled dissolved oxygen concentration measurements (3 violates / 30 obs.) below the minimum criteria (4.0 mg/L) reported from the pooled data at all monitoring lake stations sampled during the current cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	5A	Dissolved Oxygen	2008	L	482.29

Lake Whitehurst

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		482.29	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-01-HG Lake Whitehurst

Cause Location: This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

Cause City/County: Norfolk; Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: Mercury in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory for Mercury for Lake Whitehurst issued 12/13/04. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results have an observed effect for Hg.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	5A	Mercury in Fish Tissue	2008	L	482.29

Lake Whitehurst

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Mercury in Fish Tissue - Total Impaired Size by Water Type:		482.29	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-01-PCB Lake Whitehurst VDH Fish Consumption Advisory

Cause Location: This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

Cause City/County: Norfolk; Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs for Lake Whitehurst issued 12/13/04 modified 10/7/09. DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	5A	PCBs in Fish Tissue	2006	L	482.29

Lake Whitehurst VDH Fish Consumption Advisory

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:		482.29	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-01-TP Lake Whitehurst

Cause Location: This cause encompasses the entirety of Lake Whitehurst, from Rt. 60 south to the border of Norfolk Intl Airport. City of Norfolk PWS.

Cause City/County: Norfolk; Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Phosphorus, Total/5A

Cause Description: Aquatic Life Use is impaired for nutrients.

Impairment is retained for Lake Whitehurst pooled nutrient results: 1 viol/ 1 obs Chla & TP 2011 (IM). The 2008 second year of nutrients data dropped out of the assessment window. Previously in 2014 Lake Whitehurst pooled nutrient results: 2 viol / 2 obs Chla & TP 2008, 2011 (IM). Nutrients Impaired- Both Chla & TP assessed since algaecide was applied during monitoring year.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAW01A08 / Lake Whitehurst (PWS) / Located south of Little Creek Harbor. From Rt. 60 south to border of Norfolk Intl Airport. Overflow is downstream to Little Creek Cove/Harbor. City of Norfolk PWS.	5A	Phosphorus, Total	2010	L	482.29

Lake Whitehurst

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Phosphorus, Total - Total Impaired Size by Water Type:		482.29	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-03-CHLA Little Creek Reservoir

Cause Location: This cause encompasses the upper portion of the lake, beginning at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Chlorophyll-a/5A

Cause Description: Little Creek is impaired for nutrients. Both Chla and TP do not support ALUS. Little Creek Reservoir pooled nutrients results: 2 viol / 2 obs Chla & TP 2014, 2017 (IM); Both TP and Chla assessed since algaecide was applied during the monitoring years.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	Chlorophyll-a	2010	L	199.8

Little Creek Reservoir

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Chlorophyll-a - Total Impaired Size by Water Type:		199.8	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-03-PCB Little Creek Reservoir VDH Fish Consumption Advisory

Cause Location: This cause encompasses the upper portion of the lake, beginning at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

Cause City/County: Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs for Little Creek Reservoir issued 12/13/04.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	PCBs in Fish Tissue	2008	L	199.8

Little Creek Reservoir VDH Fish Consumption Advisory

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:		199.8	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-03-TP Little Creek Reservoir

Cause Location: This cause encompasses the upper portion of the lake, beginning at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Phosphorus, Total/5A

Cause Description: Little Creek is impaired for nutrients. Both Chla and TP do not support ALUS. Little Creek Reservoir pooled nutrients results: 2 viol / 2 obs Chla & TP 2014, 2017 (IM); Both TP and Chla assessed since algaecide was applied during the monitoring years.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LTR01A08 / Little Creek Reservoir - (PWS) / Located south of Little Creek Amphibious Base. Segment begins at upper portion of lake, begins at Rt 13 (RM 1.0) downstream to north, ends at lake terminus @ route 60 (RM 0.0). City of Norfolk PWS.	5A	Phosphorus, Total	2010	L	199.8

Little Creek Reservoir

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Phosphorus, Total - Total Impaired Size by Water Type:		199.8	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-04-CHLA Lake Smith

Cause Location: This cause encompasses the entirety of Lake Smith. City of Norfolk PWS.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Chlorophyll-a/5A

Cause Description: Aquatic Life Use is impaired for nutrients.

Lake Smith pooled nutrients results: 1 viol/ 1 obs Chla & TP (2011). Nutrients Impaired-Both TP and Chla assessed since algaecide was applied during monitoring year. Maintain impairment from

2014 Lake Smith pooled nutrients results: 2 viol / 2 obs Chla & TP (2008, 2011).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAS01A08 / Lake Smith (PWS) / East of Norfolk Municipal Airport, south of Little Creek Reservoir. City of Norfolk PWS.	5A	Chlorophyll-a	2010	L	184.89

Lake Smith

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Chlorophyll-a - Total Impaired Size by Water Type:		184.89	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-04-TP Lake Smith

Cause Location: This cause encompasses the entirety of Lake Smith. City of Norfolk PWS.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Phosphorus, Total/5A

Cause Description: Aquatic Life Use is impaired for nutrients.

Lake Smith pooled nutrients results: 1 viol/ 1 obs Chla & TP. Nutrients Impaired-Both TP and Chla assessed since algaecide was applied during one monitoring year.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAS01A08 / Lake Smith (PWS) / East of Norfolk Municipal Airport, south of Little Creek Reservoir. City of Norfolk PWS.	5A	Phosphorus, Total	2010	L	184.89

Lake Smith

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Phosphorus, Total - Total Impaired Size by Water Type:		184.89	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-06-HG Lake Trashmore - Western Pond VDH Fish Consumption Advisory for Mercury

Cause Location: This cause encompasses the entirety of Lake Trashmore - Western Pond. Includes western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

Cause City/County: Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: Mercury in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption advisory (Carp and Largemouth Bass) for mercury and PCBs fish tissue contamination (issued 9/30/04 for Hg, 12/13/04 for PCBs) and DEQ (CORE) monitoring at 7-MTL000.20 for fish tissue results exceeded DEQ-SV for Hg and PCBs.

08-IM, FT_PCB Largemouth Bass, Perch, Carp, Gizzard Shad, Walleye; 08-IM, FT_Met-Hg Largemouth Bass, Perch

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_MTL01A06 / Lake Trashmore - Western Pond / Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.	5A	Mercury in Fish Tissue	2006	L	54.4

Lake Trashmore - Western Pond VDH Fish Consumption Advisory for Mercury

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Mercury in Fish Tissue - Total Impaired Size by Water Type:		54.4	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-06-PCB Lake Trashmore - Western Pond VDH Fish Consumption Advisory for PCBs

Cause Location: This cause encompasses the entirety of Lake Trashmore - Western Pond. Includes western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.

Cause City/County: Virginia Beach

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: The Fish Consumption Use is impaired based on the VDH fish consumption ban (for Carp) and advisory (for Yellow Perch) for PCBs fish tissue contamination issued 12/13/04.

DEQ (CORE) monitoring at 7-LAW001.00 for fish tissue results exceeded DEQ-SV for Hg and PCBs. 08-IM, FT_PCB Largemouth Bass, Perch, Carp, Gizzard Shad, Walleye; 08-IM, FT_Met-Hg Largemouth Bass, Perch

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_MTL01A06 / Lake Trashmore - Western Pond / Headwaters area of Thalia Cr. to Eastern Br. Lynnhaven River. Includes Western portion of dual ponds lake system, pond on eastern side of Mt. Trashmore is not included in VDH advisory.	5A	PCBs in Fish Tissue	2006	L	54.4

Lake Trashmore - Western Pond VDH Fish Consumption Advisory for PCBs

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:		54.4	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08L-07-DO Lake Wright

Cause Location: This cause encompasses the entirety of Lake Wright near South of Norfolk Intl. Airport, south of Rt I-64 adjacent to USAA Office Park. Sampled by City of Norfolk as PWS.

Cause City/County: Norfolk

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impairment is retained due to exceedance of the dissolved oxygen standard measurement below the minimum criteria (4.0 mg/L) from data outside assessment window. Station WRI sampled by City of Norfolk Department of Utilities had 5 viol / 21 obs in 2014 IR. No DO data.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08L_LAR01A06 / Lake Wright / South of Norfolk Intl. Airport, south of Rt I-64 adjacent to USAA Office Park. Sampled by City of Norfolk as PWS.	5A	Dissolved Oxygen	2014	L	15.63

Lake Wright

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		15.63	

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C08R-01-BAC Little Neck Creek

Cause Location: Lower Little Neck Creek - Beach Garden Park

Cause City/County: Norfolk; Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: Lynnhaven River Now citizen monitoring group has collected Level III E. coli data @ Station 7XCC-LRN01-LRN. E. coli data (4 viol / 7 obs).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08R_LNC01C20 / Little Neck Creek / Lower Little Neck Creek - Beach Garden Park	5A	Escherichia coli (E. coli)	2020	L	1.12

Little Neck Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.12

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-01-BAC Bulbeggar Creek

Cause Location: This cause encompasses from the estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-BLB004.63 (retained outside of IR window - 5 violate / 12 obs.).

Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bulbeggar Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. No DSS condemnation or notice. DSS restricted condemnation #075-033 A (20220815)	4A	Enterococcus	2004	L	0.134

Bulbeggar Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.134		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-01-SF Pitts Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 A (effective 20180725).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the portion of DSS condemnation 075-033 A (effective 20220815) which is present. Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	1998	L	0.127
VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2018	L	0.069

Pitts Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.196		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Upstream Source; Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-02-BAC Pocomoke River

Cause Location: This cause encompasses from the VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-POC001.76 (6 violate / 14 obs.). Impairment is retained, last sampled in 2006. Shellfishing and Recreation Uses impairments are considered NESTED within TMDL (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Enterococcus	2006	L	0.24

Pocomoke River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.24		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-10-BAC Holdens Creek - Upper

Cause Location: This cause encompasses the upper portion of Holdens Creek, from the confluence of Sandy Bottom Branch downstream to 0.5 mi downstream of station @ 7-HLD002.67. Portion of CBP segment POCOH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to exceedance of the instantaneous criteria for Enterococcus bacteria at station 7-HLD002.67 (26 violate / 35 obs). Previous Use ID = VAT-C10E-01. Covered under TMDL 'Holdens Creek' (35648) VAT-C10E-04-SF EPA approved 11/7/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Enterococcus	1998	L	0.034

Holdens Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.034		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-10-SF Pocomoke River and Sound; Holdens Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 A (effective 20220815).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the portion of DSS condemnation 075-033 A (effective 20220815). Covered under TMDL VAT-C09E-SF (35957) EPA approved 4/15/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bulbeggar Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. No DSS condemnation or notice. DSS restricted condemnation #075-033 A (20220815)	4A	Fecal Coliform	2006	L	0.134
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2010	L	0.240
VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2010	L	0.726
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2006	L	0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2006	L	0.050
VAT-C10E_POC01A08 / Pocomoke Sound - Lower [C10 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Area adjacent to Holdens Creek. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	1998	L	1.113

Pocomoke River and Sound; Holdens Creek

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	2.297		

Sources: Agriculture; Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09E-11-SF Unsegmented tidal tributaries in C09E-POCOH

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 (effective 20180725).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish is impaired based on the VDH DSS shellfish Condemnation 075-033 effective date (effective 20180725). In previous IR's this AU segment had a VDH DSS Administrative Condemnation and therefore did not have SF use in a past assessment cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4A	Fecal Coliform	2006	L	0.006

Unsegmented tidal tributaries in C09E-POCOH

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.006		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09R-01-DO Unnamed tributary to Pitts Creek

Cause Location: This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4A

Cause Description: The Aquatic Life Use is impaired due to low dissolved oxygen at station 7-XAE001.42 (7 exc / 34 samples.; VAT-C09R-01) which exceed the minimum criteria for this parameter. The DO impairment and TP CD listing are covered under the TMDL "Pitts Creek - UNT" EPA approved (35650 & 35649) 11/07/2008. The DO impairment is mitigated by the TMDL for TN & TP (35649 & 35650) approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	4A	Dissolved Oxygen	1998	L	5.42
VAT-C09R_XAE02A20 / Unnamed tributary to Upper Pitts Creek / Riverine portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	4A	Dissolved Oxygen	1998	L	2.07

Unnamed tributary to Pitts Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			7.49

Sources: Atmospheric Deposition; Crop Production (Crop Land or Dry Land); Groundwater Loadings; Manure Runoff; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Source Unknown; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09R-02-BAC Unnamed tributary to Pitts Creek

Cause Location: This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use is impaired at station 7-XAE001.42 due to exceedance of the instantaneous criteria for E.coli bacteria. There were 2 or more STV hits in the same 90-day period with < 10 samples. Impairment is included in the TMDL of Pathogens for UT to Pitts Creek EPA approved 9/20/2012.

TMDL For UT to Pitts Creek for E.coli EPA approved 9/20/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	4A	Escherichia coli (E. coli)	2004	L	5.42
VAT-C09R_XAE02A20 / Unnamed tributary to Upper Pitts Creek / Riverine portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	4A	Escherichia coli (E. coli)	2004	L	2.07

Unnamed tributary to Pitts Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			7.49

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C09R-02-PH Unnamed tributary to Pitts Creek

Cause Location: This cause encompasses the riverine portion of this tributary to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: pH/5A

Cause Description: The Aquatic Life Use is impaired due to low pH (4 exc/ 34 samples.; VAT-C09R-02) concentrations at station 7-XAE001.42, which exceed the minimum criteria for this parameter.

Upstream discharge from Tyson Foods 001 may have impact on this impairment. Also need to investigate if natural conditions (leaf litter/organic content) may be the cause of the low pH.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09R_XAE01A00 / Unnamed tributary to Pitts Creek / Riverine portion of these tribs to Pitts Creek. Includes unnamed tributary (south bank) of this unnamed tributary to Pitts Creek. Located northwest of New Church in Accomack County.	5A	pH	2006	L	5.42

Unnamed tributary to Pitts Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
pH - Total Impaired Size by Water Type:			5.42

Sources: Atmospheric Deposition; Crop Production (Crop Land or Dry Land); Groundwater Loadings; Manure Runoff; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Source Unknown; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-02-BAC Muddy Creek - Upper

Cause Location: This cause encompasses the upper portion of Muddy Creek, from end of tidal waters downstream to Pettigrew Bend. Portion of CBP segment POCMH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is impairment is retained since the 2014 IR. Data outside assessment window is from 2005 & 2006. Enterococcus bacteria data from 2010 at DEQ AQM station @ 7-MUD002.29 (3 viol / 15 obs.).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	5A	Enterococcus	2006	L	0.257
VAT-C10E_MUD01B24 / Muddy Creek - Upper (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	5A	Enterococcus	2006	L	0.044

Muddy Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.301		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-02-SF Tyler Creek, Shanks Creek, Tangier Sound

Cause Location: This cause encompasses the assessment unit VACB-C10E_TNN01D18.

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: VDH DSS condemnation 074-226 (Restricted) effective 2/26/2015

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015.	5B	Fecal Coliform	2018	L	2.169

Tyler Creek, Shanks Creek, Tangier Sound

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	2.169		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-05-BAC Messongo Creek - Upper

Cause Location: This cause encompasses the southeast of Marsh Market. Running parallel with Rt 692 upstream to the end of tidal waters. Portion of CBP segment POCMH.

Cause City/County: Accomack County

Use(s): Recreation; Shellfishing

Causes(s)/VA Category: Enterococcus/4A; Fecal Coliform/4A

Cause Description: The Recreation Use is impaired based on exceedance Enterococci data with 3 viol / 17 obs) at station 7-MES001.34.

The impairment is part of the July 1999 EPA Consent Decree (Attachment C & Attachment A, Category 1, Part 2).

Previous (2006 IR) Use ID = VAT-C10E-05. Contained under EPA TMDL _ID = 34492, EPA approved 6/11/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20220815).	4A	Enterococcus	2018	L	0.042

Messongo Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.042		

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20220815).	4A	Fecal Coliform	1998	L	0.042

Messongo Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.042		

Sources: Livestock (Grazing or Feeding Operations); Unpermitted Discharge (Domestic Wastes); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-07-BAC Hunting Creek - Upper and Lower

Cause Location: This cause encompasses Hunting Creek - Upstream portion, from end of tidal waters downstream to mouth. Portion of CBP segment POCMH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired based on exceedance of the Enterococcus bacteria criteria at station 7-HUN001.88 (11 violates / 34 obs.). Previous Use ID (2006 IR) as TMDL ID: VAT-C10E-07.

Considered NESTED under TMDL (35566) VAT-C10E-11 EPA approved 2/15/2008

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20220615).	4A	Enterococcus	2006	L	0.194
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20220615).	4A	Enterococcus	2006	L	0.648

Hunting Creek - Upper and Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.842		

Sources: Impacts from Land Application of Wastes; Livestock (Grazing or Feeding Operations); Marina/Boating Sanitary On-vessel Discharges; Non-Point Source; Sewage Discharges in Unsewered Areas; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-10-BAC Deep Creek - Middle

Cause Location: East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation 077-138 C (effective 20170620).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is not supporting due to Enterococcus data collected at station 7-DEP001.38 with 1 exceedance out of 13 samples and 1 geomean exceedance out of 1 geomean sample - geomean exceedance in any 90-day period.

The Recreation Use was delisted in the 2018 IR and remained supporting in the 2020 IR based on Enterococci data now supporting the use with 1 violate / 22 obs. at the DEQ (AQM) station @ 7-DEP001.38.

Previous Use ID (2006 IR) as TMDL ID: VAT-C10E-06. Covered under TMDL (35552) VTA-C10E-18 EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Enterococcus	2024	L	0.16

Deep Creek - Middle

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.16		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-10-SF Bagwell Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 A, 20220615.

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 077-138 A (effective 20220615).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20220615).	4A	Fecal Coliform	1998	L	0.115

Bagwell Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.115		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-11-SF Deep Creek - Middle and Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 C, 20220615.

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 077-138 C (effective 20220615). Covered under TMDL (35552) VAT-C10E-18 EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Fecal Coliform	1998	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper [DSS ADMIN] / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Fecal Coliform	2018	L	0.114

Deep Creek - Middle and Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.273		

Sources: Agriculture; Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-12-SF Guilford Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 076-176 A (effective 20220815).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 076-176 A (effective 20220815). Covered under TMDL 'Messongo and Guilford Creeks' (25411) VAT-C10E-04-SF EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_GLF01A06 / Guilford Creek - Upper [TMDL] / Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20220815).	4A	Fecal Coliform	1998	L	0.152

Guilford Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.152		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-17-BAC Messongo Creek-Lower

Cause Location: This cause encompasses the lower creek from the intersection of Saxis and Belinda Rd downstream to the mouth.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired based on the exceedance of Enterococcus bacteria with 3 viol / 24 obs at station 7-MES001.34. This is a new listing in 2018 for Recreation Use. Segment is nested within existing Shellfish TMDL for Messongo Cr EPA approved 6/7/2006. The new recreation impairment has the same sources that are adequately addressed in the existing SF TMDL. The impairment is within the tidal range of the existing TMDL boundary with comparable land use. The SF TMDL already sets reductions for human, pet and livestock at 100% and wildlife at 88 %.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. DSS Open shellfish direct harvesting condemnation 076-167 effective 20220815	4A	Enterococcus	2018	L	0.858

Messongo Creek-Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.858		

Sources: Discharges from Biosolids (SLUDGE) Storage, Application or Disposal; Livestock (Grazing or Feeding Operations); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-18-SF Hunting Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 B (effective 20180620).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. Previous Use ID (2006 IR) as TMDL ID: VAT-C10E-18. Considered NESTED under TMDL (35566) VAT-C10E-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20220615).	4A	Fecal Coliform	1998	L	0.194

Hunting Creek - Upper

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.194		

Sources: Impacts from Land Application of Wastes; Livestock (Grazing or Feeding Operations); Marina/Boating Sanitary On-vessel Discharges; Non-Point Source; Sewage Discharges in Unsewered Areas; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-20-SF Muddy Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 076-176 B (effective 20220815).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The shellfish use is impaired based on the Restricted Condemnation 076-176 B, D(effective 20220815). Muddy Creek was a part of the 1999 Consent Decree for shellfish, VAT-C07E-16. In 2010 the Shellfish Use was removed due to Admin Condemn 076-176 A (effective 20080708). In 2014 IR the Shellfishing Use was added because the area was Opened for shellfishing based on new VDH Condemn 076-176 (8/10/2012).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD01B24 / Muddy Creek - Upper (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	5B	Fecal Coliform	2006	L	0.044

Muddy Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.044		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-22-BAC Holdens Creek - Lower

Cause Location: Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation 075-033 A (effective 20180725).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired based on citizen monitoring enterococcus data collected by Chincoteague Field Station @ Station 7HLD-HC1-CFS (27 viol / 36 obs).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20220815).	4A	Enterococcus	2020	L	0.05

Holdens Creek - Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.05		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-23-BAC Messongo Creek - Middle

Cause Location: South of Town of Belinda. Portion of CBP segment POCMH. TMDL P 732- SF. DSS Condemnation 076-167 (effective 20220815).

Cause City/County: Accomack County

Use(s): Recreation; Shellfishing

Causes(s)/VA Category: Enterococcus/4A; Fecal Coliform/4A

Cause Description: The Recreation Use is impaired based on exceedance Enterococci data with 3 viol / 24 obs) at station 7-MES001.34.

The impairment is part of the July 1999 EPA Consent Decree (Attachment C & Attachment A, Category 1, Part 2).

Previous (2006 IR) Use ID = VAT-C10E-05. Contained under EPA TMDL _ID = 34492, EPA approved 6/11/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-06] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20220815).	4A	Enterococcus	2018	L	0.214

Messongo Creek - Middle

Recreation

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.214		

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-06] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20220815).	4A	Fecal Coliform	2006	L	0.214

Messongo Creek - Middle

Shellfishing

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.214		

Sources: Livestock (Grazing or Feeding Operations); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-25-SF Muddy Creek - Lower

Cause Location: Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Restricted condemnation 076-176 C (effective 20180725).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The Shellfishing Use is impaired based on the DSS Restricted-condemnation shellfish direct harvesting condemnation 076-176 C (effective 20180725).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MUD04A24 / Muddy Creek - Lower (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Restricted condemnation # 076-176 C (effective 20220815).	5B	Fecal Coliform	2020	L	0.014

Muddy Creek - Lower

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.014		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10E-31-BAC Gaurd Shore Beach

Cause Location: This cause encompasses Gaurd shore Beach located at Bailey Ridge in Bloxom

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is not supporting based on Enterococci data from VDH Beach Monitoring Station VA153278. There were 2 or more STV exceedances in the same 90-day period represented by 10+ samples, no geomean exceedances.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_GSH01A06 / Guard Shore Beach / In Old Cove (Beasley Bay). Located at Bailey Ridge, west of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	5A	Enterococcus	2022	L	0.019

Gaurd Shore Beach

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.019		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-01-BAC Unnamed tributary to Sandy Bottom Branch

Cause Location: This cause encompasses the portion of this unnamed tributary to Sandy Bottom Branch, originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use impairment is retained based on exceedances of the single sample max criteria for E.coli bacteria (1 exc / 7 obs.) at station 7-XAZ000.30. No bacteria data collected within assessment window.

1998 CD segment for benthics & FC (Attachment A, Category 1, Part 1) VAT-C10R-01. The Recreation Use is covered under a TMDL for bacteria in the stream segment [35939] as approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XAZ01A00 / Unnamed tributary to Sandy Bottom Branch / Located south of Makemie Park area. Portion of unnamed trib. (originating at outfall 001 of VPDES VA0004049) from confluence of UT from north downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).	4A	Escherichia coli (E. coli)	2006	L	1.13

Unnamed tributary to Sandy Bottom Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.13

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-01-BAC2 Unnamed tributary from Tyson Foods

Cause Location: This cause encompasses the area south of Makemie Park. A portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use impairment is retained based on exceedances of the single sample max criteria for E.coli bacteria (4 exc/ 11 obs.) in 2012 IR downstream station 7-XAZ000.30. This segment is an extension of the stream that was on the CD. The impaired segment was not included in the EPA approved (11/7/2008) TMDL for E.coli for Holdens Creek and Sandy Bottom Branch and UT to SBB. However, it is now nested because it uses same listing station, bacteria reductions apply to entire watershed, and land uses are consistent. Nested in 2014.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XCX01A08 / Unnamed tributary from Tyson Foods / Located south of Makemie Park area. Portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).	4A	Escherichia coli (E. coli)	2010	L	1.4

Unnamed tributary from Tyson Foods

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.4

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-01-BEN Unnamed tributary to Sandy Bottom Branch

Cause Location: This cause encompasses the portion of this unnamed tributary to Sandy Bottom Branch, originating at outfall 001 of VPDES VA0004049 downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/4B

Cause Description: The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic impairment assessment is based on VCPMI scores [2019: S= 22.7 F= 57. 5 2018: S=39.0 F=55.1 2017: S=25.0 F=37.1 2012_IM:S=21.9, F=37.0 2013: S=10.8 F= 7.7 2014: F=31.9 2015: S= 27.6 F=19.7 2016: S= 7.8 F= 31.7 2018: S=39.0 F=55.1 2017: S=25.0 F=37.1] at DEQ (BIO) station @ 7-XAZ000.30.

1998 CD segment for benthics & FC (Attachment A, Category 1, Part 1) VAT-C10R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XAZ01A00 / Unnamed tributary to Sandy Bottom Branch / Located south of Makemie Park area. Portion of unnamed trib. (originating at outfall 001 of VPDES VA0004049) from confluence of UT from north downstream to confluence with Sandy Bottom Branch (@ Rt 693 crossing).	4B	Benthic Macroinvertebrates Bioassessments	1996	NA	1.13

Unnamed tributary to Sandy Bottom Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.13

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-01-BEN2 Unnamed tributary from Tyson Foods

Cause Location: This cause encompasses the area south of Makemie Park. A portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/4B

Cause Description: The Aquatic Life Use is impaired due to impacts to the stream's benthic population at the downstream station. Benthic impairment assessment is based on VCPMI scores [2019: S= 22.7 F= 57. 5 2018: S=39.0 F=55.1 2017: S=25.0 F=37.12016: S= 7.8 F= 31.7 2015: S=27.6 F=19.7 2014: F= 31.9 2013: S=10.8 F=7.7 2012: S=21.9, F=37.0] at DEQ (BIO) station @ 7-XAZ000.30.

EPA approved March 2010 the re-categorization of the benthic impairment for SBB and UTSBB. "These waters were originally identified as impaired based on biological monitoring data, a current analysis of the benthic community has shown that through the issuance of permit limitations, water quality conditions in SBB and UTSBB have improved. Therefore there is no need for a benthic TMDL for SBB and UTSBB at this time."

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_XCX01A08 / Unnamed tributary from Tyson Foods / Located south of Makemie Park area. Portion of unnamed trib. from origin at outfall 001 of VPDES VA0004049 downstream to the confluence of the UT from north (upstream of Rt 693 crossing).	4B	Benthic Macroinvertebrates Bioassessments	2008	NA	1.4

Unnamed tributary from Tyson Foods

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.4

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-02-BAC Sandy Bottom Branch

Cause Location: This cause encompasses the entirety of Sandy Bottom Branch downstream to the confluence with Holdens Creek.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use is not supporting based on 5 exceedances out of 11 samples giving the status of impaired - 2 or more STV hits in the same 90-day period with < 10 samples @ 7-SBB000.17. The Recreation Use is covered under a TMDL for bacteria in the Holden Creek, Sandy Bottom Branch, Unnamed Tributary to Sandy Bottom Branch as approved by EPA 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_SBB01A00 / Sandy Bottom Branch / Located southwest of Makemie Park area. Entire Sandy Bottom Branch downstream to confluence with Holdens Creek.	4A	Escherichia coli (E. coli)	2004	L	1.3

Sandy Bottom Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.3

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C10R-03-BEN Guilford Creek

Cause Location: This cause encompasses Guilford Creek, from confluence of two branches west of Rt 316 downstream to Rt 658 crossing.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use impairment is retained due to impacts to the stream's benthic population : MI: S&F 05-06 at DEQ (BIO) station @ 7-GLF003.77. The stream was said to be moderately impaired and is retained due to lack of more recent data.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10R_GLF01A08 / Guilford Creek / South of Town of Bloxom. Stream portion from confluence of two branches west of Rt 316 downstream to Rt 658 crossing.	5A	Benthic Macroinvertebrates Bioassessments	2008	L	0.86

Guilford Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			0.86

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-02-EBEN Onancock Creek Mainstem

Cause Location: Near Town of Onancock. From junction of N, Central & S Brs downstream to end of Admin DSS condemnation.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: WoE 7BOCN005.19 '21 5A, Evidence for chemical contaminant-induced degradation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of Admin DSS condemnation. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	5A	Estuarine Bioassessments	2024	L	0.129

Onancock Creek Mainstem

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.129		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-04-BAC North Branch, Onancock Creek

Cause Location: This cause encompasses the entirety of the North Branch, Onancock Creek. CBP segment CB7PH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to enterococcus data from station 7-OCN004.96 with 3 exceedances out of 26 samples and 1 geomean exceedance out of 2 geomean samples - geomean exceedance in any 90-day period. No Enterococci data is available at station 7-ONB000.20 or 7-ONB000.56. Covered under TMDL (25414) Onancock Creek, North Branch", VAT-C11E-04-SF, EPA approved 8/2/2006. Previous Use ID (2006IR) as TMDL ID: VAT-C11E-04.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of Admin DSS condemnation. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	4A	Enterococcus	2024	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to north of Cedar Cr. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 A (effective 20220315).	4A	Enterococcus	2024	L	0.239
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20180327).	4A	Enterococcus	2002	L	0.021

North Branch, Onancock Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.389		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-05-BAC Central Branch, Onancock Creek

Cause Location: This cause encompasses the entirety of the Central Branch, Onancock Creek. CBP segment CB7PH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use impairment is retained from the 2006 IR based on previous exceedance of the Fecal Coliform bacteria criteria and exhibits Observed Effects due to insufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violate / 3 obs.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	4A	Enterococcus	2008	L	0.018

Central Branch, Onancock Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.018		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-06-BAC Southern Branch, Onancock Creek

Cause Location: This cause encompasses the entirety of the Southern Branch, Onancock Creek. CBP segment CB7PH.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use impairment is retained from the 2006 IR based on previous exceedance of the Fecal Coliform bacteria criteria. No bacteria data in 2012. In 2010 station 7-OSB000.13 exhibits Observed Effects due to insufficient exceedance of Enterococcus bacteria criteria within a small data set (1 violate / 3 obs.). Previous Use ID (2006 IR) = VAT-C11E-06.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20180327).	4A	Enterococcus	1998	L	0.058

Southern Branch, Onancock Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.058		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-11-SF Chesconessex Creek - South Br.

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 079-112 A (effective 20220615).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish direct harvesting condemnation 079-112 A (effective 20220615). Previous Use ID (2006 IR) as TMDL ID: VDH-Bay PCBs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20220615).	4A	Fecal Coliform	1998	L	0.109

Chesconessex Creek - South Br.

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.108		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-12-SF Finneys Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-013 A (effective 20200515).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation 080-013 A (effective 20200515). Covered under TMDL (31237) “Finneys Creek”, VAT-C11E-01-SF, EPA approved 8/2/2006.Nested lower segment of Finney Creek.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20220315).	4A	Fecal Coliform	1998	L	0.091

Finneys Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.091		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-13-SF Cedar Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-013 A (effective 20200515).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to DSS shellfish direct harvesting condemnation 080-013 A (effective 20220315). Covered under TMDL (33845) "Cedar Creek" VAT-C11E-02-SF EPA approved 8/2/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 A (effective 20220315).	4A	Fecal Coliform	1998	L	0.063

Cedar Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.063		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-14-SF Onancock Mainstem Upper and UT

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-013 A (effective 20200515).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation 080-013 D (effective 20220315). Not covered in Onancock Creek Bacteria TMDL EPA approved 2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 080-013 D (effective 20220315).	5B	Fecal Coliform	2022	L	0.016

Onancock Mainstem Upper and UT

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.016		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-15-SF Matchotank Cr

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 080-169 A (effective 20200515)

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The Shellfishing Use is not supporting based on the DSS Restricted Condemnation Number 080-169 A (effective 20200515).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-169 A (effective 20220315).	5B	Fecal Coliform	2022	L	0.069

Matchotank Cr

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.069		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-20-SF Chesconessex Creek - Pompco Creek

Cause Location: Chesconessex Creek - N. Branch leading to Pompco Creek. Portion of CBP segment CB7PH. DSS Restricted Shellfish Growing Area 079-112 D effective 20220615

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5A

Cause Description: Shellfishing Use is not supporting based on DSS Restricted Shellfish Growing Area 079-112 D effective 20220615.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CSX02B24 / Chesconessex Creek - Pompco Creek / Chesconessex Creek - N. Branch leading to Pompco Creek. Portion of CBP segment CB7PH. DSS Restricted Shellfish Growing Area 079-112 D effective 20220615	5A	Fecal Coliform	2024	L	0.043

Chesconessex Creek - Pompco Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.043		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-23-SF Onancock Creek Mainstem - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 080-013 A (effective 20200515).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Shellfishing Use is not supporting based on the DSS shellfish condemnation 080-013 A (effective 20220315). Nested within the TMDL (25414) Onancock Creek, North Branch", VAT-C11E-04-SF, EPA approved 8/2/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to north of Cedar Cr. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 A (effective 20220315).	4A	Fecal Coliform	2010	L	0.239

Onancock Creek Mainstem - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.239		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-24-SF Chesconessex Creek - South Br. - Middle

Cause Location: South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation 079-112REstricted (effective 20150708).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on the Restricted-condemnation Condemn 079-112 effective 20180614.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 Restricted (effective 20220615).	4A	Fecal Coliform	2020	L	0.15

Chesconessex Creek - South Br. - Middle

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.15		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-25-SF Parkers Creek - Upper

Cause Location: South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish Restricted-condemnation direct harvesting condemnation 080-013 (effective 20180327).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The SF use is now impaired based on the DSS shellfish direct harvesting Restricted-condemnation 080-013 (effective 20220315).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish Restricted-condemnation direct harvesting condemnation # 080-013 (effective 20220315).	5B	Fecal Coliform	2020	L	0.035

Parkers Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.035		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-26-SF Parkers Creek - Middle and Lower

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 080-013 A (effective 20200515).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The shellfishing use is impaired based on the DSS shellfish direct harvesting Restricted-condemnation 080-013 B (effective 20220315).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-013 B (effective 20220315).	5B	Fecal Coliform	2020	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 B (effective 20220315).	5B	Fecal Coliform	2022	L	0.086

Parkers Creek - Middle and Lower

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.127		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11E-27-SF Pompco Cr- SW inlet of UT off of Rogue Island

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 079-112 (20180614).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation 079-112 (20220615).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_PMC02B20 / Pompco Cr- SW Inlet of UT off of Rogue Island / Southwest Inlet of Pompco Creek trib at Tobacco Island. VDH DSS Restricted-Condemnation #079-112 (20220615).	5B	Fecal Coliform	2020	L	0.01

Pompco Cr- SW inlet of UT off of Rogue Island

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.01		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C11R-01-BAC Joynes Branch

Cause Location: This cause encompasses Joynes Branch, eastern riverine tributary to the Central Branch of Onancock Creek

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: The Recreation Use impairment is based on the 2014 data collected at station 7-JOY000.59 with 2 exc / 9 obs.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11R_JOY01A08 / Joynes Branch / Eastern riverine tributary to the Central Branch of Onancock Creek.	5A	Escherichia coli (E. coli)	2008	L	2.37

Joynes Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			2.37

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12E-10-SF Pungoteague Creek - Upper, Warehouse Prong- Lower

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 B (effective 20220315).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS condemnation 081-119 B (effective 20220315). Covered under TMDL (25416) for VAT-C12E-10-SF (approved 6/7/06)].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20220315).	4A	Fecal Coliform	1998	L	0.186
VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20220315).	4A	Fecal Coliform	2022	L	0.054

Pungoteague Creek - Upper, Warehouse Prong- Lower

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.24		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12E-11-SF Taylor Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 C 20200518.

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish condemnation 081-119 C effective date 20220315. The Shellfishing Use is impaired due to the DSS shellfish harvesting condemnation which is present. Covered under TMDL (25416) "Taylor Creek" for VAT-C12E-03-SF (EPA approved 6/7/06).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20220315).	4A	Fecal Coliform	1998	L	0.13

Taylor Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.13		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12E-12-SF Underhill Creek

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 A (effective 20220315).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS condemnation 081-119 A (effective 20220315). Covered under TMDL (25416) "Taylor Creek" for VAT-C12E-03-SF (EPA approved 6/7/06).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20220315).	4A	Fecal Coliform	2006	L	0.07

Underhill Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.07		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12E-13-SF Taylor Creek- Mouth

Cause Location: Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation 081-119 &M1 (effective 20180321).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired based on Restricted-condemnation 081-119 C (effective 20220315).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 C (effective 20220315).	4A	Fecal Coliform	2020	L	0.033

Taylor Creek- Mouth

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.032		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12E-14-SF Upper Warehouse Prong

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 081-119 B (effective 20220315).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS condemnation 081-119 B (effective 20220315).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 B (effective 20220315).	4A	Fecal Coliform	2022	L	0.042

Upper Warehouse Prong

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.042		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12R-01-BEN Taylor Creek

Cause Location: This cause encompasses the riverine portion of Taylor Creek, from the point where stream forks north of Rt 180 downstream to the confluence of UT below Rt 178.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired due to the stream's benthic population. Benthic impairment is VCPMI [2021: S=6.8 F =35.9 2020: S=18 F =25 2013: S=17.3 & 2010: S=11.9, F=9.7] at Station 7-TAY003.11. Habitat is good at this site and there are no obvious point sources, so it is likely that non-point sources are responsible for impairment here.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12R_TAY01A04 / Taylor Creek / Located east of Town of Pungoteague. From point where stream forks north of Rt 180 downstream to confluence of UT below Rt 178.	5A	Benthic Macroinvertebrates Bioassessments	2004	L	0.91

Taylor Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			0.91

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12R-02-BEN Bull Branch

Cause Location: This cause encompasses the riverine portion of Bull Branch, from headwaters near Rt 609 (Accomack Co. Airport) downstream to confluence with eastern prong of upper Pungoteague Creek.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use impairment is retained for the 2014 IR due to impacts to the stream's benthic population. Benthic impairment assessment is based on biological benthic monitoring noting MI [MI: S&F-03, S-04; SI: F-04] at DEQ (BIO) station @ 7-BBR001.31. For Spring 2021, the SCI score was 16.8 and was marked as reserved judgement. The benthic impairment is retained.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12R_BBR01A08 / Bull Branch / Located east of Town of Pungoteague. Eastern tributary to upper eastern prong of Pungoteague Cr. From headwaters near Rt 609 (Accomack Co. Airport) downstream to confluence with eastern prong of upper Pungoteague Cr.	5A	Benthic Macroinvertebrates Bioassessments	2008	L	2.25

Bull Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.25

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C12R-03-BAC Taylor Creek

Cause Location: Located east of Town of Pungoteague. From point where stream forks north of Rt 180 downstream to confluence of UT below Rt 178.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: The Recreation Use impairment is retained current data is insufficient to assess with one STV exceedance in one or multiple 90-day periods but insufficient data to analyze geomean. Impairment listing based on E. coli data (4 exc / 12 obs) collected @ Station 7-TAY003.11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12R_TAY01A04 / Taylor Creek / Located east of Town of Pungoteague. From point where stream forks north of Rt 180 downstream to confluence of UT below Rt 178.	5A	Escherichia coli (E. coli)	2020	L	0.91

Taylor Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			0.91

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-02-BAC Nassawadox Creek - Lower

Cause Location: This cause encompasses the lower mainstem of Nassawadox Creek. Portion of CBP segment CB7PH.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use impairment is retained based on Enterococcus bacteria data which has 2 or more STV hits in the same 90-day period with <10 samples at DEQ (AQM) station @ 7-NSS001.62. This segment is covered under revised TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 8/15/2017.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20221115).	4A	Enterococcus	2008	L	2.121

Nassawadox Creek - Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	2.121		

Sources: Agriculture; Animal Feeding Operations (NPS); Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-11-SF Church Creek -Upper

Cause Location: This cause encompasses the area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation 085-185 B (effective 20191115).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on the DSS shellfish direct harvesting condemnation 085-185 B (effective 20221115). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-11. TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20221115).	4A	Fecal Coliform	2016	L	0.165

Church Creek -Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.165		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-11-SF2 Church Creek - Middle, UT North and South Cove

Cause Location: This cause encompasses the area of Elliotts Neck. Tributary to Church Creek - Middle, UT North & South Coves. Portion of CBP segment.

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation 085-185 B & D (effective 20221115). Impairment included in revised TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007, 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01C10 / Church Creek - Middle-UT North Cove / In area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 B (effective 20221115).	4A	Fecal Coliform	2004	L	0.059

Church Creek - Middle, UT North and South Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.059		

Sources: Agriculture; Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-12-SF Craddock Creek - Upper [TMDL-bact.]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 A (effective 20121210).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish direct harvesting condemnation 083-195 A (effective 20121210). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-12.

Covered under TMDL for "Craddock Creek" (25417) EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	4A	Fecal Coliform	1998	L	0.082

Craddock Creek - Upper [TMDL-bact.]

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.082		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-13-SF Holly Grove Cove- Upper and Kelley Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 B &E (effective 20221115).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish direct harvesting condemnation 085-110 B&E (effective 20221115). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-13. Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_HGC01A06 / Holly Grove Cove- Upper / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20221115).	4A	Fecal Coliform	1998	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 F (effective 20221115).	4A	Fecal Coliform	1998	L	0.026

Holly Grove Cove- Upper and Kelley Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.168		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-14-SF Nassawadox Creek - Upper [TMDL-bact.]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 B(effective 20201115).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish direct harvesting condemnation 085-110 B(effective 20221115). Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20221115).	4A	Fecal Coliform	1998	L	0.243

Nassawadox Creek - Upper [TMDL-bact.]

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.243		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-15-SF Occohannock Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 084-043 A (effective 20190107).

Cause City/County: Accomack County; Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS condemnation 084-043 A (effective 20190107). Covered under TMDL for "Occohannock Creek" (38189) EPA approved 6/7/2006).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to Creekside Dr at end of SF restricted area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20201215).	4A	Fecal Coliform	1998	L	0.434

Occohannock Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.434		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-18-SF McLean Gut

Cause Location: This cause encompasses the middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation 082-160 B (effective 20220315).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting based on the DSS shellfish direct harvesting condemnation 082-160 (effective 20220315). The EPA approved TMDL (6/7/2006) for Nandua & Currituck Cr includes most of the impaired area excluding the mouth. The mouth of McLean will be nested in 2022 based on similar land use and reductions proposed in the TMDL. No additional point sources.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20220315).	4A	Fecal Coliform	1998	L	0.038

McLean Gut

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.038		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-19-SF Nandua Creek - Upper [TMDL-bact.]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 082-160 A & C (effective 20220315).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 082-160 A & C (effective 20220315). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-19

Covered under TMDL for "Nandua and Currituck Creeks" (25419) EPA approved 6/7/2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20220315).	4A	Fecal Coliform	1998	L	0.144

Nandua Creek - Upper [TMDL-bact.]

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.144		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-20-SF Nassawadox Creek - Middle, N. Shore Tribs

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-110 A & C (effective 20221115).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 085-110 A & C (effective 20221115). Covered under revised TMDL for "Nassawadox Creek Watershed" (68338) EPA approved 8/5/2017.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A &C(effective 20221115).	4A	Fecal Coliform	2008	L	0.126

Nassawadox Creek - Middle, N. Shore Tribs

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.126		

Sources: Agriculture; Livestock (Grazing or Feeding Operations); On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers; Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-22-SF Shields Cove and Fisher Cove

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 084-043 B & C (effective 20211115).

Cause City/County: Accomack County; Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation 084-043 B & C (effective 20211115).

Not covered under TMDL for "Occohannock" (38189) EPA approved 6/7/2006). However will nest since SF impairment is within tidal range of Occohannock Creek TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL. (NESTED 2014: 38189, 6/7/2006.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20211115).	4A	Fecal Coliform	2008	L	0.087

Shields Cove and Fisher Cove

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.087		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13E-24-EBEN Church Creek

Cause Location: This cause encompasses the lower mainstem area of Church Creek, a tributary to Nassawadox Creek.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Aquatic Life Use is not supporting based on station 7BCCR000.74 2020 benthic WoE data. WoE analysis listed as impaired with a category 5A. Station data suggests strong evidence for pollution induced degradation.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting OPEN # 085-185 (effective 20221115).	5A	Estuarine Bioassessments	2022	L	0.32

Church Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.32		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C13R-01-BEN Taylor Branch - Occohannock Creek

Cause Location: This cause encompasses Taylor Branch, from the confluence of two branches upstream of station downstream to the confluence with Occohannock Creek.

Cause City/County: Accomack County; Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Assessment is based on biological benthic monitoring in 2010 using VCPMI scoring [2010_IM: S=11.9, F=9.7] at DEQ (BIO) station @ 7-TLR000.75.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13R_TLR01A08 / Taylor Branch - Occohannock Cr. / West of Painter. Tributary to most upstream portion of Occohannock Creek, west of Town of Painter. From confluence of two branches upstream of station downstream to the confluence with Occohannock Creek.	5A	Benthic Macroinvertebrates Bioassessments	2008	L	2.32

Taylor Branch - Occohannock Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.32

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-01-BAC Hungars Creek - Upper

Cause Location: This cause encompasses the upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Creek.

Cause City/County: Northampton County

Use(s): Recreation; Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Fecal Coliform impairment is retained from the 2006 IR as there is insufficient Enterococci bacteria data to verify the assessment status. No STV exceedances but insufficient data to analyze geomean data from station 7-HUG004.40.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to end of TMDL boundary near Holloway Dr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Fecal Coliform	1998	L	0.09
VAT-C14E_HUG01B22 / Hungars Creek - Upper / Upper portion of Hungars Creek from end of TMDL boundary near Holloway Dr to start of open shellfish area near Park Ln. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Fecal Coliform	1998	L	0.08

Hungars Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.17		

Hungars Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.17		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-10-SF Barlow Creek

Cause Location: In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation 086-136 (effective 20200915).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting based on DSS Restricted shellfish direct harvesting condemnation 086-136 E (effective 20221015).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 086-136 E (effective 20221015)	4A	Fecal Coliform	2024	L	0.039

Barlow Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.039		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-11-SF Hungars Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 086-136 A, 20221015.

Cause City/County: Northampton County

Use(s): Recreation; Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish Restricted direct harvesting condemnation 086-136 A effective 20221015.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to end of TMDL boundary near Holloway Dr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Fecal Coliform	1998	L	0.09
VAT-C14E_HUG01B22 / Hungars Creek - Upper / Upper portion of Hungars Creek from end of TMDL boundary near Holloway Dr to start of open shellfish area near Park Ln. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Fecal Coliform	1998	L	0.08

Hungars Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.17		

Hungars Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.17		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-13-SF Mattawoman Creek - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 086-136 S48 & D (effective 20200915).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. The Shellfishing Use is impaired based on the DSS restricted and seasonal shellfish harvesting condemnation which is present. TMDL 38541 EPA Approved 5/6/2010; SWCB Approved 9/30/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20221015).	4A	Fecal Coliform	2006	L	0.155

Mattawoman Creek - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.155		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-14-SF The Gulf - Upper

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 087-174 A (effective 20150827).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: DSS shellfish direct harvesting condemnation 087-174 A (effective 20210915). The Shellfishing Use is impaired due to the DSS shellfish harvesting condemnation which is present. Previous Use ID (2006 IR) as TMDL ID: VAT-C14E-14. This impairment is covered under TMDL for "The Gulf" (33770) VAT-C14E-14-SF, EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20210915).	4A	Fecal Coliform	1998	L	0.141

The Gulf - Upper

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.141		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-16-SF Westerhouse Creek - Upper and Middle South Branch [TMDL]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 085-199 A (effective 20181115).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Portion DSS shellfish direct harvesting condemnation 085-199 A (effective 20221115). Previous Use ID (2006 IR) as TMDL ID: VAT-C14E-16.

Covered under TMDL for "Nassawadox Creek Watershed" (33777) EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20221115).	4A	Fecal Coliform	1998	L	0.019

Westerhouse Creek - Upper and Middle South Branch [TMDL]

	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	0.019		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C14E-18-SF UT to Hungars Creek

Cause Location: This cause encompasses the Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation 086-136 C (effective 20221015).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Shellfish Use is impaired based on DSS shellfish direct harvesting condemnation 086-136 C (effective 20221015).

2016 nested under TMDL for "Hungars Creek Watershed" (34370) EPA approved 4/30/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20221015).	4A	Fecal Coliform	2012	L	0.039

UT to Hungars Creek

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.038		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C15E-10-SF Kings Creek - Upper Forks and Middle

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 088-139 A (effective 20180821).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation 088-139 A (effective 20180821). Previous Use ID (2006 IR) as TMDL ID: VAT-C15E-10. This impairment is covered under TMDL for "Cherrystone Inlet" which includes Kings Creek (33772) VAT-C15E-10-SF, EPA approved 9/20/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20200815).	4A	Fecal Coliform	1998	L	0.093

Kings Creek - Upper Forks and Middle

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.092		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: C16E-10-SF Old Plantation Creek - Upper [TMDL]

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 090-152 A (effective 20220915).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation 090-152 A (effective 20220915). This impairment is covered under TMDL for "Old Plantation and Elliot Creeks" (33772) VAT-C16E-10-SF, EPA approved 8/30/2007.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20220915).	4A	Fecal Coliform	1998	L	0.059

Old Plantation Creek - Upper [TMDL]

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.059		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB5MH-DO-BAY Chesapeake Bay segment CB5MH-VA

Cause Location: This area encompasses the complete CBP segment CB5MH_VA.

Cause City/County: Chesapeake Bay - County Not Applicable

Use(s): Aquatic Life; Deep-Channel Seasonal Refuge; Deep-Water Aquatic Life; Open-Water Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4D

Cause Description: The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010.

In the 2024 cycle, CB5MH met the Open Water, Deep Water and Deep Channel subuses. There is insufficient information to assess other applicable DO criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward.	4D	Dissolved Oxygen	2004	L	185.846

Chesapeake Bay segment CB5MH-VA

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	185.846		

Chesapeake Bay segment CB5MH-VA

Deep-Channel Seasonal Refuge	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	185.846		

Chesapeake Bay segment CB5MH-VA

Deep-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	185.846		

Chesapeake Bay segment CB5MH-VA

Open-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	185.846		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB5MH-EBEN-BAY Chesapeake Bay - VA portion of CBP Segment CB5MH

Cause Location: This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward.

Cause City/County: Chesapeake Bay - County Not Applicable; Lancaster County; Northumberland County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: CBSeg B-IBI segment - CB5MH-VA Impaired based on 24 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward.	5A	Estuarine Bioassessments	2024	L	185.846
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS Condemnation 124B, 6/2/1997 downstream to its mouth. CB5MH	5A	Estuarine Bioassessments	2024	L	0.128
VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997. CB5MH	5A	Estuarine Bioassessments	2024	L	0.056
VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005 unless otherwise segmented. CB5MH	5A	Estuarine Bioassessments	2024	L	0.665
VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. CB5MH Size adjusted in 2006 cycle.	5A	Estuarine Bioassessments	2024	L	5.177
VAP-C01E_INN03B16 / Ingram Bay / Described in VDH-DSS condemnation 013-220D, 5/15/2022 CB5MH	5A	Estuarine Bioassessments	2024	L	0.004
VAP-C01E_INN03C24 / Ingram Bay / Ingram Bay of the Great Wicomico River Merged in the 2024 cycle. CB5MH	5A	Estuarine Bioassessments	2024	L	4.878
VAP-C01E_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS Condemnation 016-133, 12/13/2006. CB5MH	5A	Estuarine Bioassessments	2024	L	0.175
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04. CB5MH	5A	Estuarine Bioassessments	2024	L	0.397

Chesapeake Bay - VA portion of CBP Segment CB5MH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	197.325		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB5MH-SAV-BAY Chesapeake Bay segment CB5MH

Cause Location: This cause encompasses the complete CBP segment CB5MH.

Cause City/County: Chesapeake Bay - County Not Applicable; Lancaster County; Northumberland County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. These criteria are based on segment-wide dissolved oxygen and submerged aquatic vegetation criteria.

Chesapeake Bay segment CB5MH is impaired of the Aquatic Life due to inadequate submerged aquatic vegetation acreage. The Submerged Aquatic Vegetation goal is 7,633 acres but only 14% was attained found in the most recent 3 years according to aerial analysis of SAV.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB5 / Chesapeake Bay - VA portion of CBP Segment CB5MH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment CB5MH, located in the northern part of the Virginia mainstem Bay from the mouth of the Rappahannock River and northward.	4A	Aquatic Plants (Macrophytes)	2006	L	185.846
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.083
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in VDH-DSS condemnation notice 017-188B, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
VAP-C01E_ANT02A08 / Antipoison Creek / Portion of VDH-DSS condemnation notice 017-188, 7/13/2004 not otherwise segmented. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.306
VAP-C01E_ASH01A10 / Ashleys Cove / Portion of VDH-DSS condemnation 016-024D, 1/28/2005 open in 016-024, 12/15/2022 Split in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VAP-C01E_ASH01B24 / Ashleys Cove / Described in VDH-DSS condemnation 016-024E, 12/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220F, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.052

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BAL01A02 / Ball Creek / Portion of VDH condemnation notice 014-124B, 6/2/1997 open in 014-124, 4/15/2021. Size increased in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAP-C01E_BAL01B20 / Ball Creek / Described in VDH-DSS condemnation notice 014-124A, 4/15/2021. Size decreased in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS Condemnation 124B, 6/2/1997 downstream to its mouth. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
VAP-C01E_BAR01A98 / Barrett Creek / Described in VDH-DSS condemnation notice 013-08S80, 6/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.066
VAP-C01E_BAR02A08 / Barrett Creek, UT / Described in VDH-DSS SFC 013-089S81, 6/15/2020 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAP-C01E_BLA01A22 / Blackwells Creek / Described in VDH-DSS Condemnation 013-08D, 5/15/2022 Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.061
VAP-C01E_BLS01A02 / Balls Creek / Described in VDH-DSS condemnation notice 89B, 5/28/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.064
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/15/2022 not included in 89B, 5/28/1997. Merged and expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.113
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/15/2022. Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.095
VAP-C01E_BRS01A08 / Barnes Creek / Portion of VDH-DSS condemnation 016-057C, 12/13/2006 open in 016-057, 11/15/2020. Split in the 2022 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.225

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_BRS01B20 / Barnes Creek / Portion of VDH-DSS condemnation 12/13/2006 open on 016-057, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C01E_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 11/15/2020. Shrank in the 2022 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.062
VAP-C01E_BRS01D22 / Barnes Creek / Described in VDH-DSS condemnation 016-057S136, 11/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C01E_CLE01A98 / Cloverdale Creek / Described in VDH-DSS condemnation notice 014-124A, 6/2/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.056
VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 9/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.612
VAP-C01E_COC03A98 / Cockrell Creek / Described in VDH-DSS condemnation notice 012-002C, 9/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 9/15/2022 Size increased in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.231
VAP-C01E_COC04B10 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002A, 9/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.198
VAP-C01E_COC04C22 / Cockrell Creek / Described in VDH-DSS Condemnation Notice 012-002S194, 9/15/2022. Size reduced in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005 downstream to mouth at Fleet Point. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C01E_CRN02A24 / Cranes Creek / Cranes Creek below VDH-DSS condemnations 013-220, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.323
VAP-C01E_DIV01A98 / Dividing Creek / Dividing Creek and XDB - Dividing Creek, UT within VDH-DSS condemnation 015-022A, 5/15/2022 (excludes Natty Point Cove and XES). Size increased in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.181
VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/15/2022. Size reduced in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.083
VAP-C01E_DIV01C14 / Dividing Creek, UT / Described in VDH-DSS condemnation 015-022D, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.816
VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 24A, 3/5/1997, excluding Chases Cove. Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.309

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005 unless otherwise segmented. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.665
VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island. CB5MH Size adjusted in 2006 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	5.177
VAP-C01E_GEO01B20 / Georges Cove / Described in VDH-DSS condemnation notice 016-024E, 1/28/2005. Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAP-C01E_GEO02B20 / Georges Cove / Portion of VDH-DSS Condemnation 016-024B, 112/15/2022 not included in 016-024E, 1/28/2005. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220S84, 6/15/2020 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 9/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
VAP-C01E_GSK01B22 / Gaskin Pond / As described in VDH-DSS condemnation 011-122S189, 9/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of VDH-DSS condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.268
VAP-C01E_GWR01B08 / Great Wicomico River / Portion of VDH-DSS condemnation 013-089A, 5/15/2022 not included in 089A, 5/28/1997. Split in the 2022 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 5/15/2022 downstream to 1/2 mile above station 7BGWR005.26. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.810

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
VAP-C01E_GWR02C06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS Condemnation 013-089M3, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089H, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
VAP-C01E_GWR02F24 / Great Wicomico River / 1/2 mile upstream of station 7BGWR005.26 to 1/2 mile downstream of station 7-GWR004.70. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.542
VAP-C01E_GWR02G24 / Great Wicomico River / From 1/2 mile downstream of station 7-GWR004.70 downstream to Rogue Point, unless otherwise segmented. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.532
VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point downstream to upper Ingram Bay Split in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	1.946
VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.022
VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123S148, 5/1/2022. Expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.089
VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH-DSS Condemnation 016-057D, 12/15/2022. Shrank in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/15/2022. Expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
VAP-C01E_HEN02A14 / Henrys Creek / Downstream of VDH-DSS Condemnation 016-057C, 1/28/2005 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.103

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_HHB01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 013-089G, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.071
VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C01E_IND01A98 / Indian Creek / Portion of VDH-DSS condemnation notice 016-057A, 12/13/2006 that is not administratively condemned (12/15/2022). Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.379
VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057E, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.595
VAP-C01E_IND03C22 / Indian Creek / Described in VDH-DSS Condemnation 016-057M1, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
VAP-C01E_INN03B16 / Ingram Bay / Described in VDH-DSS condemnation 013-220D, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
VAP-C01E_INN03C24 / Ingram Bay / Ingram Bay of the Great Wicomico River Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	4.878
VAP-C01E_JAR01A02 / Jarvis Creek, UT / Described in VDH-DSS condemnation notice 015-022H, 6/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022C, 5/15/2022. Expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.029

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations Split in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.150
VAP-C01E_JAR02B24 / Jarvis Creek / Non-administrative portion of VDH-DSS Condemnation 015-022H, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024C, 12/15/2022 not impaired in 016-024C, 1/28/2005. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
VAP-C01E_LRC01A12 / Lawrence Cove / Described in VDH-DSS condemnation 015-022B, 5/15/2022. Expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
VAP-C01E_LTB01A02 / Little Bay / Little Bay CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	1.147
VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in VDH-DSS condemnation notice 011-190S192, 8/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.038
VAP-C01E_LTM01B22 / Little Taskmakers Creek / Portion of VDH condemnation notice 190, 4/13/1993 that is not included in 011-190, 8/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Shellfish Condemnation 014-123A, 5/15/2022 not included in the notice 123, 6/2/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnations to Ingrams Bay. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.202
VAP-C01E_MIL03B22 / Mill Creek / Described in VDH-DSS Condemnation 014-123S150, 5/15/2022. Shortened in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.263

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnation 011-122, 8/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
VAP-C01E_OWP02B12 / Owens Pond / Described in VDH-DSS condemnation 011-122S191, 9/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C01E_OWP02C12 / Owens Pond / Described in VDH-DSS condemnation 011-122S190, 8/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAP-C01E_OYS01A08 / Oyster Creek / Portion of VDH condemnation 018-053A, 1/4/2005 within CB5MH. Split in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220E, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
VAP-C01E_PNT02A02 / Prentice Creek / Downstream of VDH-DSS condemnation 015-022, 5/15/2022 to its mouth. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.156
VAP-C01E_PNT02B10 / Prentice Creek / Portion of VDH-DSS condemnation 015-022E, 5/15/2022 that was open on 022, 2/27/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
VAP-C01E_PNT02C22 / Prentice Creek, UT / Described in VDH-DSS condemnation 015-022F, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A and -133B, 12/15/2022 Size reduced in the 2022 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.180

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_TBS01C22 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 open on 12/15/2022. Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
VAP-C01E_TBS02A00 / Tabbs Creek / Tabbs Creek downstream of VDH-DSS Condemnation 016-133, 12/13/2006. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.175
VAP-C01E_TIP01A98 / Tipers Creek / Described in VDH-DSS condemnation notice 89C, 5/28/1997 Merged in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.083
VAP-C01E_TIP02A08 / Tipers Creek / Portion of VDH-DSS condemnation notice 013-089E, 5/15/2022 not included in 89C, 5/28/1997. Expanded in the 2024 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAP-C01E_TIP03A24 / Tipers Creek / Downstream of VDH-DSS Condemnation 013-089E, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123B, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190S193, 8/15/2020 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.069
VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/15/2022 not included in 89E, 5/28/1997 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
VAP-C01E_WHY01A98 / Whays Creek / Described in VDH-DSS condemnation notice 013-220B, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAP-C01E_WHY01B22 / Whays Creek / Portion of VDH-DSS condemnation notice 089D, 4/3/2002 open in 013-220, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 013-089D, 4/3/2002. Merged in the 2022 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.099
VAP-C01E_XDL01A02 / XDL - Chesapeake Bay, UT (aka Big Fleets Pond) / As described VDH-DSS condemnation notice 011-190A, 8/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C01E_XDZ01A10 / XDZ - Mill Creek, UT (Gascony Cove) / Tidal limit to mouth at Mill Creek	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAP-C01E_XEO01A10 / XEO - Reason Creek, UT / Described in VDH-DSS Condemnation 013-220C, 5/15/2022 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.001
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 6/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAP-C01E_XEW01A14 / XEW - Chesapeake Bay, UT / Tidal limit to mouth	4A	Aquatic Plants (Macrophytes)	2006	L	0.022
VAP-C01E_XFC02C12 / XFC - Antipoison Creek, UT / Described in VDH-DSS condemnation 017-188D, 12/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
VAP-C01E_XFJ01A22 / XFJ - Mill Creek, UT (Guarding Cove) / Described in VDH-DSS Condemnation 014-123S174, 6/15/2020. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022G, 5/15/2022. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C01E_ZZZ01A22 / Unsegmented estuaries in C01 / Unsegmented estuaries in CB02 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.274
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.058

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.397
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.065

Chesapeake Bay segment CB5MH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	211.914		

Chesapeake Bay segment CB5MH

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	211.914		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Contaminated Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB6PH-DO-BAY Chesapeake Bay segment CB6PH

Cause Location: This cause encompasses the complete CBP segment CB6PH.

Cause City/County: Chesapeake Bay - County Not Applicable

Use(s): Aquatic Life; Deep-Water Aquatic Life; Open-Water Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4D

Cause Description: The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. The polyhaline Chesapeake Bay (CB6PH) segment meets the 30-day mean Open Water summer and Deep Water dissolved oxygen criteria. Because this segment fails as part of the Bay criteria, the TMDL was due in 2010. There is insufficient data to assess the other dissolved oxygen criteria.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	4D	Dissolved Oxygen	2006	L	127.195
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	4D	Dissolved Oxygen	2006	L	160.307

Chesapeake Bay segment CB6PH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	287.502		

Chesapeake Bay segment CB6PH

Deep-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	127.195		

Chesapeake Bay segment CB6PH

Open-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	287.502		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB6PH-SAV-BAY Chesapeake Bay segment CB6PH

Cause Location: This cause encompasses the complete CBP segment CB6PH.

Cause City/County: Chesapeake Bay - County Not Applicable; Mathews County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: Submerged Aquatic Vegetation acres goal is 1,267 acres but only 51% was attained found in the most recent 3 years according to aerial analysis of SAV.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-CB6N / Chesapeake Bay - Northern portion of CBP Segment CB6PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	4A	Aquatic Plants (Macrophytes)	2006	L	127.195
VACB-R01E-CB6S / Chesapeake Bay - Southern portion of CBP Segment CB6PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB6PH, located in the northeastern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers.	4A	Aquatic Plants (Macrophytes)	2006	L	160.307
VAP-C04E_BLL01A16 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 seasonally condemned on 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
VAP-C04E_BLL01A98 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.285
VAP-C04E_BLL02B20 / Billups Creek / Portion of VDH-DSS condemnation 037-061B, 2/15/2022 open on 4/4/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAP-C04E_BLL02C12 / Billups Creek / Portion of VDH-DSS condemnation 037-061S129, 2/15/2022 open in 204, 4/4/1997. Size decreased in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.028

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C04E_BRN02A22 / Barn Creek / Described in VDH-DSS condemnation notice 036-197S126, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VAP-C04E_DOC01A98 / Doctors Creek / Described in VDH condemnation notice 26B, 2/25/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.015
VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100A, 2/15/2021. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.052
VAP-C04E_DYE01B22 / Dyer Creek, UT / Described in VDH-DSS Condemnation 039-100S123, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.014
VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.220
VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VAP-C04E_EDW02A98 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197B, 1/21/1997 open 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 3/15/2019 not included in 197B, 1/21/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAP-C04E_EDW03A24 / Edwards Creek / Edwards Creek below VDH-DSS condemnation notice 036-197B, 1/21/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.373
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH-DSS condemnation notice 039-026A, 2/15/2022. Shrank in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.140

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_HAH01B24 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 open in the 039-026, 2/15/2022 condemnation. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.060
VAP-C04E_HAH01C12 / Horn Harbor / Described in VDH-DSS condemnation 039-026M2, 2/15/2022 condemnation. Segment adjusted and split in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.035
VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented. Merged in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	1.437
VAP-C04E_HAH02C20 / Horn Harbor / Described in VDH-DSS condemnation 039-026D, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.037
VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026B, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.005
VAP-C04E_HAH02F22 / Horn Harbor / Described in VDH-DSS condemnation 039-026M1, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.005
VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 2/15/2021. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.016
VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061D, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C04E_LAN01A02 / Lanes Creek / As described in VDH-DSS condemnation notice 037-099C, 2/15/2022. Expanded in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099E, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
VAP-C04E_LAN02A22 / Lanes Creek / Portion of VDH-DSS Condemnation 037-099S127, 4/15/2020 open 2/15/2022. Shrunk in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.040

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MID01A02 / Winder Creek / As described in VDH-DSS condemnation notice 037-099B, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
VAP-C04E_MLF01A98 / Milford Haven / Described in VDH-DSS condemnation notice 036-197A, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.029
VAP-C04E_MLF02A98 / Milford Haven / Described in VDH-DSS condemnation notice 036-197E, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 3/15/2019 except as otherwise segmented. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	1.411
VAP-C04E_MLF04B24 / Milford Haven / Southern Hills Bay CB6MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.428
VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAP-C04E_MRC01A98 / Morris Creek / Described in VDH-DSS condemnation notice 61B, 4/4/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAP-C04E_QUE01A98 / Queens Creek / Portion of VDH-DSS condemnation 99A, 4/9/1997 within 037-099A and -D, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.094
VAP-C04E_QUE01B10 / Queens Creek / Described in VDH-DSS condemnation notice 037-099M1, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
VAP-C04E_QUE01C10 / Queens Creek / Below VDH-DSS condemnation 99A, 4/7/1997, unless otherwise segmented. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.068
VAP-C04E_QUE01D22 / Queens Creek / Portion of VDH-DSS condemnation notice 99A, 4/9/1997 within 037-099S132, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.069
VAP-C04E_QUE02A12 / Queens Creek, UT / Described in VDH-DSS condemnation 037-099F, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.292
VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 037-061A, 2/15/2022. Adjusted slightly in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.077
VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061S130, 2/15/2022. Shrank in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/15/2022 not condemned on 4/4/1997. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.045
VAP-C04E_STT01C14 / Stutts Creek / Described in VDH-DSS condemnation notice 037-061S131 and 037-061S128, 2/15/2022, excluding area in 037-061A, 4/4/1997. Size reduced in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.081
VAP-C04E_STT01D22 / Stutts Creek / Portion of VDH-DSS condemnation 061A, 4/4/1997 seasonally condemned on 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C04E_STT02A00 / Stutts Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.191
VAP-C04E_STT02B20 / Stutts Creek, UT / Described in VDH-DSS condemnation 037-061E, 2/15/2022. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point Breeze downstream to its mouth at the Chesapeake Bay. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	1.038
VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 3/15/2019. CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.074

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.108
VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented. Merged in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.455
VAP-C04E_WIN01C20 / Winter Harbor / Described in VDH-DSS Condemnation 038-178S171, 4/15/2020. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.030
VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 2/15/2021. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.037
VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of Winter Harbor. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.715
VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnations 038-176A and 038-178B, 2/15/2021. Expanded in the 2024 cycle. CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.141
VAP-C04E_ZZZ01B24 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within CB6PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.644
VAP-C04E_ZZZ02A06 / Unsegmented estuaries in C04 / Unsegmented portion within CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.010

Chesapeake Bay segment CB6PH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	297.082		

Chesapeake Bay segment CB6PH

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	297.082		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB7PH-DO-BAY Chesapeake Bay segment CB7PH

Cause Location: This cause encompasses the complete CBP segment CB7PH.

Cause City/County: Accomack County; Chesapeake Bay - County Not Applicable; Northampton County

Use(s): Aquatic Life; Deep-Water Aquatic Life; Open-Water Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4D

Cause Description: The 30-day dissolved oxygen criteria for the open water and deep water uses are met for the 2024 assessment. There is insufficient information to assess remaining dissolved oxygen criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04CE / Chesapeake Bay - Cape Charles DSS #089-011 / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	4D	Dissolved Oxygen	2006	L	0.312
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the southeastern half of the Virginia Chesapeake Bay.	4D	Dissolved Oxygen	1998	L	169.747
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the eastern half of the Virginia Chesapeake Bay along the Eastern Shore.	4D	Dissolved Oxygen	1998	L	371.633
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #079-112 (Open)	4D	Dissolved Oxygen	1998	L	0.023
VACB-R01E_CB7S01A24 / Chesapeake Bay - Southern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #080-169 (Restricted)	4D	Dissolved Oxygen	1998	L	0.054

Chesapeake Bay segment CB7PH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	541.769		

Chesapeake Bay segment CB7PH

Deep-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	169.77		

Chesapeake Bay segment CB7PH

Open-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	541.769		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB7PH-SAV-BAY Chesapeake Bay segment CB7PH

Cause Location: This cause encompasses the complete CBP segment CB7PH.

Cause City/County: Accomack County; Chesapeake Bay - County Not Applicable; Northampton County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys does not meet the criteria. Aerial analysis of SAV over the three most recent years of data indicate segment is short of this goal by 45%.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04CE / Chesapeake Bay - Cape Charles DSS #089-011 / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	0.312
VACB-R01E-CB7N / Chesapeake Bay - Northern portion of CBP Segment CB7PH / This assessment unit is the mainstem northern portion of Chesapeake Bay Program segment CB7PH, located in the southeastern half of the Virginia Chesapeake Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	169.747
VACB-R01E-CB7S / Chesapeake Bay - Southern portion of CBP Segment CB7PH / This assessment unit is the mainstem southern portion of Chesapeake Bay Program segment CB7PH, located in the eastern half of the Virginia Chesapeake Bay along the Eastern Shore.	4A	Aquatic Plants (Macrophytes)	2006	L	371.633
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #079-112 (Open)	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VACB-R01E_CB7S01A24 / Chesapeake Bay - Southern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #080-169 (Restricted)	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
VAT-C10E_DEP01A06 / Deep Creek - Middle / East of town of Bayside. Middle portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper [DSS ADMIN] / East of town of Bayside. Upper portion of creek adjacent to Town of Deep Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.114

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_DEP02A06 / Deep Creek - Lower / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS (Restricted) shellfish direct harvesting condemnation # 077-138 C (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.158
VAT-C10E_DEP03A08 / Deep Creek - Lower [No DSS] / East of town of Bayside. Lower portion of creek, from RM 1.6 downstream to mouth. Portion of CBP segment CB7PH. DSS Open shellfish condemnation 077-138 effective 20220615	4A	Aquatic Plants (Macrophytes)	2006	L	0.482
VAT-C10E_ISB01A06 / Island Bay - [No DSS] / Between Russell Island & Long Ridge area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.953
VAT-C10E_PMC01A20 / Pompco Creek / Inlets of unnamed island on the eastern portion of Pompco Creek. Portion of CBP segment CB7PH.Shellfishing OPEN Condemnation (20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAT-C10E_ZZZ01A06 / Unsegmented Bay Waters in C10E-CB7PH. / Evaluated non-segmented Bay Waters in C10E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	1.405
VAT-C11E_CED01A00 / Cedar Creek / Entire estuarine portion of creek. North shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 A (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.063
VAT-C11E_CSX01A00 / Chesconessex Creek - South Br. - Upper / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 A (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.109
VAT-C11E_CSX01B10 / Chesconessex Creek - South Br. - Middle / South of Chesconessex and northwest of Onancock. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 079-112 Restricted (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.150
VAT-C11E_CSX02A06 / Chesconessex Creek - N. Branch / Lower portion of Creek, including tidal tribs., from the end DSS condemnation # 079-112 downstream to mouth. Portion of CBP segment CB7PH. Part of area contains no DSS Condemnation remainder is OPEN 079-112 (20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	1.737

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20220615). Portion of CBP segment CB7PH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAT-C11E_CSX02B24 / Chesconessex Creek - Pompco Creek / Chesconessex Creek - N. Branch leading to Pompco Creek. Portion of CBP segment CB7PH. DSS Restricted Shellfish Growing Area 079-112 D effective 20220615	4A	Aquatic Plants (Macrophytes)	2006	L	0.043
VAT-C11E_FNN01A00 / Finneys Creek - Upper / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-013 C (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.091
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (Conditionally Approved) shellfish direct harvesting condemnation # 080-013 C20(effective 20220315)	4A	Aquatic Plants (Macrophytes)	2006	L	0.097
VAT-C11E_LTH01A00 / Leatherberry Creek / Entire estuarine portion of creek. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-169 A (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.069
VAT-C11E_MTC02A06 / Matchotank Creek - Lower / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS (Open) shellfish direct harvesting condemnation # 080-169 (effective 20220315)	4A	Aquatic Plants (Macrophytes)	2006	L	0.116
VAT-C11E_OCB01A00 / Central Branch, Onancock Creek / CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAT-C11E_OCN01A04 / Onancock Creek Mainstem - Upper [Admin Cond] / Near Town of Onancock. From junction of N, Central & S Brs downstream to end of Admin DSS condemnation. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20200515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.129

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs downstream to north of Cedar Cr. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 A (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.239
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Parker Cr downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	1.163
VAT-C11E_OCN02B08 / Onancock Creek Mainstem - Poplar Cove / East of Bailey Neck area. Mainstem of Onancock Creek. Marina in area of Poplar Cove. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 080-013 D (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAT-C11E_OCN02C22 / Onancock Creek Mainstem - Lower / Mainstem of Onancock Creek-Upper. From area near Cedar Creek downstream to Parker Cr. Portion of CBP segment CB7PH. DSS Conditionally Approved and Open shellfish direct harvesting condemnation # 080-013 C9 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.649
VAT-C11E_ONB01A02 / North Branch, Onancock Creek / Located near Town of Onancock. Entire North Branch, Onancock Creek. CBP segment CB7PH. DSS shellfish condemnation (Admin Cond-PROHIBITION) # 081-013 D (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAT-C11E_OSB01A02 / Southern Branch, Onancock Creek / Near Town of Onancock. Entire Southern Branch Onancock Creek. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 081-013 A (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
VAT-C11E_PMC01B20 / Lower Pompco Creek / Portions of Pompco Creek encompassing Tobacco Island and Rogue Island.	4A	Aquatic Plants (Macrophytes)	2006	L	0.934
VAT-C11E_PMC02B20 / Pompco Cr- SW Inlet of UT off of Rogue Island / Southwest Inlet of Pompco Creek trib at Tobacco Island. VDH DSS Restricted-Condemnation #079-112 (20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAT-C11E_PRK01A08 / Parkers Creek - Upper / South shore tributary of Onancock Creek at Finneys Neck. Upstream portion of creek. Portion of CBP segment CB7PH. DSS shellfish Restricted-condemnation direct harvesting condemnation # 080-013 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.035

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_PRK02A08 / Parkers Creek - Middle / South shore tributary of Onancock Creek at Finneys Neck. Middle portion of creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted condemnation # 080-013 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAT-C11E_PRK03A08 / Parkers Creek - Lower / South shore tributary of Onancock Creek at Finneys Neck. Area around marina at mouth of Parkers Creek. Portion of CBP segment CB7PH. DSS shellfish seasonal condemnation # 080-013 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.086
VAT-C11E_TAR01A06 / Tarkill Creek / Located in Sluitkill Neck area. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.190
VAT-C11E_ZZZ01A00 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.579
VAT-C11E_ZZZ01B22 / Unsegmented estuaries in C11E. / Evaluated non segmented portions of C11E not contained within VACB-R01E-CB7S. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation # 080-013 (20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAT-C12E_PUN01A06 / Pungoteague Creek - Upper / W of Melfa. Upper portion of Pungoteague Cr. from the end of tidal waters downstream to Boggs Wharf and Route 634. CBP segment CB7PH. DSS condemnation # 081-119 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.186
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS condemnation Conditionally Approved and Open # 081-119 C4 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.541
VAT-C12E_PUN02A06 / Pungoteague Creek - Lower / Located west of Town of Melfa. Lower portion of Pungoteague Cr. from Horse Hole Creek downstream to mouth. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 081-119 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.955
VAT-C12E_TAY01A06 / Taylor Creek / Located southwest of Harborton. From the end of tidal waters downstream Route 628 and Eastern Shore Yacht Club. Portion of CBP segment CB7PH. Portion of DSS condemnation # 081-119 C (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.130

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C12E_TAY02A14 / Taylor Creek- Mouth / Located southwest of Harborton. From Route 628 and Eastern Shore Yacht Club to Puncoteague confluence. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 C (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
VAT-C12E_UNR01A06 / Underhill Creek / In area of Mount Nebo. North shore tributary to Pungoteague Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 081-119 A (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C12E_WRP01A06 / Warehouse Prong - Upper / Located north of Bobtown and east of Boggs Wharf. Upper portion, from headwaters to confluence with UT. Portion of CBP segment CB7PH. Portion of DSS Restricted condemnation # 081-119 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C12E_WRP02A06 / Warehouse Prong - Lower / Located north of Bobtown and east of Boggs Wharf. Lower portion, from confluence with UT downstream to confluence with Pungoteague Cr. Portion of CBP segment CB7PH. DSS (Admin Cond) condemnation # 081-119 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
VAT-C12E_ZZZ01A00 / Unsegmented Bay Waters in C12E. / Evaluated non segmented portions of C12E, UT south of Pungoteague Cr. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
VAT-C13E_BCE01A08 / Back Creek / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation # 082-160 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.141
VAT-C13E_BOS01A08 / Boggs Gut / Southwest of Fairview Neck area. South shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 082-160 C17 (effective 20220315)	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C13E_CHC01A00 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting OPEN # 085-185 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.320
VAT-C13E_CHC01B16 / Church Creek -Upper / In area of Elliotts Neck. Tributary to Nassawadox Creek, upstream portion of Church Creek. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-185 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.165

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_CHC01C10 / Church Creek - Middle- UT North Cove / In area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment CB7PH. DSS shellfish harvesting condemnation # 085-185 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
VAT-C13E_CHC01D22 / Church Creek / In area of Elliotts Neck. Tributary to Nassawadox Creek. Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation area # 085-185 (20221115)	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
VAT-C13E_CRA01A06 / Craddock Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to end of shellfish condemnation (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 083-195 A (effective 20121210).	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
VAT-C13E_CRA02A08 / Craddock Creek - Lower and UT / Most of Craddock Cr. excluding SF condemnation in upper creek. Including all tribs. Portion of CBP segment CB7PH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.911
VAT-C13E_CRR01A08 / Curratuck Creek / Southwest of Fairview Neck area. Lower south shore tributary of middle Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove- Upper / Located near Wellington Neck. From end of tidal waters downstream to mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-110 E (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.143
VAT-C13E_KLL01A06 / Kelley Cove / From end of tidal waters downstream to confluence with Nassawadox Cr. (area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 F (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
VAT-C13E_MAG01A08 / McLean Gut - Upper / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 082-160 B (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.038
VAT-C13E_MAG02A08 / McLean Gut - Lower / Southwest of Fairview Neck area. Middle south shore tributary of middle Nandua Cr. Portion of CBP segment CB7PH. DSS Conditionally Approved shellfish direct harvesting condemnation area # 082-160 (20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.032

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_NAN01A00 / Nandua Creek - Upper [TMDL-bact.] / Southeast of Hacks Neck area. The two most upstream branches of Nandua Creek, incl. Kusian Cove. Portion of CBP segment CB7PH. DSS condemnation # 082-160 A&C (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.144
VAT-C13E_NAN01B08 / Nandua Creek - Lower Upper / Southwest of Fairview Neck area. North shore tributary of Nandua Cr. near mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20220315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119
VAT-C13E_NAN02A06 / Nandua Creek - Lower / Lower portion of Nandua Creek including unsegmented tidal tribs., from the confluence of Boggs Gut downstream to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS Open shellfish direct harvesting condemnation #082-160 effective 20220315	4A	Aquatic Plants (Macrophytes)	2006	L	3.254
VAT-C13E_NSS01A06 / Nassawadox Creek - Upper [TMDL-bact.] / From end of tidal waters downstream to confluence with Kelly Cove (RM 5.2) area of TMDL-bact 6/07. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper [No TMDL-bact] / From confluence with Kelly Cove (RM 5.2) downstream to mainstem (outside of area of TMDL-bact 6/07). Portion of CBP segment CB7PH. Portion of DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.131
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	2.121
VAT-C13E_NSS03A08 / Nassawadox Creek - Middle, N. Shore Tribs / Occohannock Neck Area. North Shore UTs to lower-middle mainstem Nassawadox. Portion of CBP segment CB7PH. Portion of DSS shellfish direct harvesting condemnation # 085-110 A &C(effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.126
VAT-C13E_OCH01A06 / Occohannock Creek - Upper / Upper portion of Occohannock Creek and tidal tribs., from end of tidal waters downstream to Creekside Dr at end of SF restricted area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20201215).	4A	Aquatic Plants (Macrophytes)	2006	L	0.434

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C13E_OCH02A06 / Occohannock Creek - Lower / Lower portion of Occohannock Creek and tidal tribs., from downstream of Youngs Pt. to mouth (RM 0.0). Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 084-043 (effective 20211115).	4A	Aquatic Plants (Macrophytes)	2006	L	2.574
VAT-C13E_OCH02B08 / Occohannock Creek - Middle Marina Area / In middle portion of Occohannock Creek, marina area of Davis Wharf. Portion of CBP segment CB7PH. DSS SEASONAL shellfish direct harvesting condemnation # 084-043 M1 (effective 20211115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C13E_OCH03A08 / Shields Cove & Fisher Cove / West of Belle Haven area. North and South shore tributaries of Occohannock Cr., NW of Youngs Pt. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20211115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.087
VAT-C13E_WHC01A06 / Warehouse Creek - Upper / Southeast fork of upper portion of creek. Portion of CBP segment CB7PH. DSS ADMIN-PROHIB shellfish direct harvesting condemnation # 085-110 F (effective 20221115) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	4A	Aquatic Plants (Macrophytes)	2006	L	0.032
VAT-C13E_WHC01B10 / Warehouse Creek - Upper Middle (Admin Cond) / Including northern fork and continuing downstream to bend near Wellington Neck. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 085-110C (effective 20201115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.166
VAT-C13E_WHC02A06 / Warehouse Creek - Lower / Including bend near Wellington Neck to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.752
VAT-C14E_BRL01A06 / Barlow Creek / In area of Old Town Neck. South shore tributary to lower Mattawoman Cr. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 086-136 E (effective 20221015)	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to end of TMDL boundary near Holloway Dr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.090

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_HUG01B22 / Hungars Creek - Upper / Upper portion of Hungars Creek from end of TMDL boundary near Holloway Dr to start of open shellfish area near Park Ln. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.080
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek near Park Ln upstream of confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	1.154
VAT-C14E_HUG02B12 / UT to Hungars Creek / Northern trib between Great Neck and Sparrow Point. Restricted portion of SF. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 C (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAT-C14E_HUG02C14 / Hungars Creek - Northern Trib / Lower portion of Hungars Creek, Trib north of the mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAT-C14E_JAC01A06 / Jacobus Creek - Upper South Fork / West of Johnsontown. Trib to Hungars Cr. Uppermost portion of south branch. Portion of CBP segment CB7PH. DSS (Admin - Prohibition) due to STP VA0023817 Outfall) shellfish direct harvesting condemnation # 086-136F (effective 20200915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAT-C14E_JAC02A06 / Jacobus Creek - Upper Forks / West of Johnsontown. Trib to Hungars Cr. Middle mainstem, north fork and lower portion of south fork. Portion of CBP segment CB7PH. DSS (Admin Cond) shellfish direct harvesting condemnation # 086-136 B (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C14E_JAC03A06 / Jacobus Creek - Lower / West of Johnsontown. South shore trib. to Hungars Cr. Lower mainstem portion. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.187
VAT-C14E_MAT01A06 / Mattawoman Creek - Upper / South of Wilsonia Neck. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 D (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.155
VAT-C14E_MAT02A10 / Mattawoman Creek - Lower / South of Wilsonia Neck - mouth of Mattawoman Cr. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20221015).	4A	Aquatic Plants (Macrophytes)	2006	L	0.357

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C14E_THG01A06 / The Gulf - Upper / From end of tidal waters downstream to narrowing 0.45 mi. from mouth. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 087-174 A (effective 20210915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.141
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. No DSS.	4A	Aquatic Plants (Macrophytes)	2006	L	0.153
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.214
VAT-C14E_WHS02A06 / Westerhouse Creek - Upper South Branch [TMDL] / In Church Neck area, west of Bridgetown. Upper portion of Westerhouse Creek South Branch. Portion of CBP segment CB7PH. Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAT-C14E_WHS03A20 / Upper Westerhouse Creek - North Branch& Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Open-condemnation # 085-199 (20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAT-C14E_ZZZ01A00 / Unsegmented estuaries in C14E. / Evaluated non segmented portions of C14E - mouth of Matchotank & Hungars Crs. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 20221015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.849
VAT-C15E_CCB01A06 / Cape Charles Beach / Located west of Town of Cape Charles, along Chesapeake Bay. Portion of CBP segment CB7PH. DSS (Administrative) shellfish harvesting condemnation 089-011 A (effective 20051202) which is present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.061
VAT-C15E_CRS01A06 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to confluence with Chesapeake Bay. Including Old Castle Cr. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20200815)	4A	Aquatic Plants (Macrophytes)	2006	L	2.138
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherrystone Inlet. Portion of CBP segment CB7PH. DSS OPEN shellfish direct harvesting condemnation # 088-139 (20200815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.103

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_CRS02A20 / Cherrystone Inlet - Upper / From Eyreville Neck end of tidal waters downstream to the mouth of the inlet. Portion of CBP segment CB7PH. DSS shellfish OPEN # 088-139 (20200815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VAT-C15E_KNS01A00 / Kings Creek - Upper Forks and Middle / From end of tidal waters downstream 0.16 mi. past confluence of the two most upstream forks. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 088-139 A (20200815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.093
VAT-C15E_KNS03A08 / Kings Creek - Lower Middle / From start of DSS marina area downstream to Cherrystone. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 088-139 (20200815) &Seasonal Condemnation M1.	4A	Aquatic Plants (Macrophytes)	2006	L	0.153
VAT-C15E_KNS03B22 / Kings Creek - Lower Middle / DSS marina area DSS (Admin) shellfish direct harvesting condemnation # 088-139 (20200815) Section B. Portion of CBP segment CB7PH	4A	Aquatic Plants (Macrophytes)	2006	L	0.048
VAT-C15E_KNS04A22 / Kings Creek - Lower Middle / From Townfield Dr to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation OPEN # 088-139 (20200815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.046
VAT-C15E_ZZZ01A08 / Unsegmented estuaries in C15E. / Evaluated non segmented portions of C15E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.605
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From most upstream end of harbor downstream to 1/2 distance to mouth (RM 0.23). Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 B (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Aquatic Plants (Macrophytes)	2006	L	0.056
VAT-C16E_CCH02A00 / Cape Charles Harbor - Lower / From 1/2 distance to mouth (RM 0.23) downstream to mouth. Portion of CBP segment CB7PH. DSS ADMINISTRATIVE shellfish harvesting condemnation # 089-011 A (effective 20051202) (VPDES outfall Town of Cape Charles STP VA0021288).	4A	Aquatic Plants (Macrophytes)	2006	L	0.060
VAT-C16E_ELL01A24 / Elliotts Creek / Elliotts Creek. Portion of CBP segment CB7PH. Admin. Condemned - DSS Cond # 090-152 B, 20220915	4A	Aquatic Plants (Macrophytes)	2006	L	0.080

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C16E_KPT01A06 / Kiptopeke Beach / Located west of Cedar Grove, along Chesapeake Bay, near southern tip of Eastern Shore. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAT-C16E_OPC01A06 / Old Plantation Creek - Upper [TMDL-bact] / Upper portion of Old Plantation Creek within TMDL-Bact (33771). CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
VAT-C16E_OPC01B08 / Old Plantation Creek - Upper [No TMDL-bact] / Upper portion of Old Plantation Creek and one southeast embayment not within TMDL-Bact (33771). Portion of CBP segment CB7PH. DSS Open shellfish harvesting condemnation # 090-152 (effective 20220915)	4A	Aquatic Plants (Macrophytes)	2006	L	0.124
VAT-C16E_OPC02A00 / Old Plantation Creek - Lower / Lower portion of Old Plantation Creek, from approx. Red Bank (RM 2.0) downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 090-152 (20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.940
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. No DSS Shellfish Condemnation	4A	Aquatic Plants (Macrophytes)	2006	L	0.066

Chesapeake Bay segment CB7PH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	575.244		

Chesapeake Bay segment CB7PH

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	575.244		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: CB8PH-SAV-BAY Chesapeake Bay segment CB8PH

Cause Location: This cause encompasses the complete CBP segment CB8PH.

Cause City/County: Chesapeake Bay - County Not Applicable; Hampton; Norfolk; Virginia Beach

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 10 acres. Aerial analysis of SAV over the three most recent years of data indicate segment has attained 18% of this goal.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-04DE / Chesapeake Bay - S. Thimble Island / Va Dept of Health Shellfish zone #069-163. Open to shellfish harvesting as of 4/25/2007. S. Thimble Island. HUC: 02080101	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
VACB-R01E-04EE / Chesapeake Bay - Off Little Creek / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. [effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	0.597
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. [effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	1.299
VACB-R01E-CB8 / Chesapeake Bay - CBP Segment CB8PH / This assessment unit is the mainstem portion of Chesapeake Bay Program segment CB8PH, located in the Virginia Chesapeake Bay between the mouths of the James River and mouth of Chesapeake Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	141.796
VAT-C07E_BCB01A06 / Buckroe Beaches / From northeast of Buckroe Beach southwest to parallel with start of Mill Cr. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.224
VAT-C07E_FMB01A12 / Fort Monroe Beaches / All of Fort Monroe Beach from the start of Mill Cr south to Lighthouse Old Point Comfort. Portion of CBP Segment CB8PH. No DSS shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	0.333
VAT-C07E_GRV01A06 / Grandview Pier & Saltponds Beaches / From Grandview beach southwest to northeast of Buckroe Beach. Offshore of Buckroe Beach VDH monitoring. area Portion of CBP Segment CB8PH. No DSS shellfish condemnation present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
VAT-C07E_GRV02A10 / Grandview Pier & Saltponds Beaches [No TMDL] / From southernmost point of Grandview Beach southwest to northeast of Buckroe Beach. Shoreward of GRV01A06. Portion of CBP Segment CB8PH. DSS ADMIN shellfish condemnation # 055-216 A (effective 20080530).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LON02A10 / Long & Grunland Creeks - DSS Admin Area / South shore trib. to mainstem Back R. Portion adjacent to Grandview area. CBP Segment CB8PH. DSS shellfish harvesting condemnation # 055-216 A ADMIN. Cond. (effective 20080530).	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAT-C08E_CBB01A06 / 13th View Beach / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.353
VAT-C08E_CBB01B14 / Sara Constance Park and Ocean View Park Beaches / Located along Chesapeake Bay, in Norfolk. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.140
VAT-C08E_CBB01C16 / 10th View Beach / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C08E_CBB02A16 / Ches Bay Beaches / Located along Chesapeake Bay, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.612
VAT-C08E_CBB02B20 / North Community Beach / Located along Chesapeake Bay. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAT-C08E_CBB02B24 / Ches Bay Beaches - 21st Bay St., North End behind Ship's Captain Restaurant / 21st Bay St., North End behind Ship's Captain Restaurant, Located along Chesapeake Bay. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.433
VAT-C08E_CBB04A16 / Shore Drive Beaches -East / Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.903
VAT-C08E_CBB04B24 / Lesner Bridge East / LESNER BRIDGE EAST, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.008

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB04C24 / First Landing State Park / FIRST LANDING STATE PARK, Located along Chesapeake Bay, Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	4A	Aquatic Plants (Macrophytes)	2006	L	0.130
VAT-C08E_LCC01A08 / Little Creek & Harbor / Entire area of Little Creek and upper portion of Little Creek Harbor. From headwaters of Little Cr. downstream to lower portion of Harbor at mouth of Bay. CBP segment CB8PH. DSS (ADMINISTRATIVE) condemnation # 068-017 C (effective 20050308).	4A	Aquatic Plants (Macrophytes)	2006	L	1.064

Chesapeake Bay segment CB8PH

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	148.577		

Chesapeake Bay segment CB8PH

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	148.577		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-01-BAC Powells Bay

Cause Location: NW of Wallops Island, between Watts and Bogues Bays.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: The Recreation Use is marked as impaired for the 2024 cycle due to enterococcus data from station 7-PWB000.20 with 2 exceedances out of 13 samples and 1 geomean exceedance out of 1 geomean sample.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_PWB01A06 / Powells Bay / NW of Wallops Island, between Watts and Bogues Bays. DSS Condemnation # 099-211 effective date 11/01/2006.	5A	Enterococcus	2024	L	0.596

Powells Bay

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.596		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-02-BAC Little Mosquito Creek

Cause Location: This cause encompasses the upper and lower portions of the Creek.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is not supporting due to exceedance of the criteria for Enterococci bacteria (7 violates / 34 obs.) at 7-LTM000.80. TMDL for Little Mosquito approved for SF and Recreation 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_LTM01A06 / Little Mosquito Creek - Upper / From headwaters downstream to confluence of Snead Branch. Area of DSS Prohibited (ADMINISTRATIVE-due to VPDES outfall @ VA0024457) condemnation 100-032 B (effective 2010-11-08).	4A	Enterococcus	2004	L	0.071
VAT-D01E_LTM02A04 / Little Mosquito Creek - Lower / From confluence of Snead Branch downstream to mouth. DSS shellfish ADMINISTRATIVE CONDEMNATION # 100-032 A (effective 2010-11-08).	4A	Enterococcus	2004	L	0.138

Little Mosquito Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.208		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-02-DO Little Mosquito Creek

Cause Location: This cause encompasses the upper and lower portions of the Creek.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: Aquatic Life Use not supporting based on DO criteria exceedances with 4 violations / 35 observation at the downstream station. pH supports Aquatic Life Use with 0 violations / 35 observations. The data to assess the Aquatic Life Use is extrapolated from downstream station (DEQ-AQM station @ 7-LTM000.80).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_LTM01A06 / Little Mosquito Creek - Upper / From headwaters downstream to confluence of Snead Branch. Area of DSS Prohibited (ADMINISTRATIVE-due to VPDES outfall @ VA0024457) condemnation 100-032 B (effective 2010-11-08).	5A	Dissolved Oxygen	2008	H	0.071
VAT-D01E_LTM02A04 / Little Mosquito Creek - Lower / From confluence of Snead Branch downstream to mouth. DSS shellfish ADMINISTRATIVE CONDEMNATION # 100-032 A (effective 2010-11-08).	5A	Dissolved Oxygen	2004	H	0.138

Little Mosquito Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.208		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-04-BAC Swans Gut Creek

Cause Location: This cause encompasses from the Virginia/Maryland state line downstream to Rivermile 0.13, above the confluence with Chincoteague Bay.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: Recreation Use is impaired based on exceeding criteria (8 violates / 17 obs.) for Enterococcus bacteria @ 7-SGT002.46. Impairment is included in the Bacteria TMDL for Swans Gut Creek EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01A04 / Swans Gut Creek / From Virginia/Maryland state line downstream to RM 0.13, above the confluence with Chincoteague Bay. DSS shellfish direct harvesting Restricted ADMIN condemnation # 100-097 A (effective 2018-12-18).	4A	Enterococcus	2006	L	0.1

Swans Gut Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.1		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-04-DO Swan Gut Creek

Cause Location: This cause encompasses the entirety of Swan Gut Creek. From Virginia/Maryland state line downstream to Rivermile 0.13, above the confluence with Chincoteague Bay.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impaired based on DO exceedances of 8 / 25 at station 7-SGT002.46.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01A04 / Swans Gut Creek / From Virginia/Maryland state line downstream to RM 0.13, above the confluence with Chincoteague Bay. DSS shellfish direct harvesting Restricted ADMIN condemnation # 100-097 A (effective 2018-12-18).	5A	Dissolved Oxygen	2004	L	0.1

Swan Gut Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.1		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D01E-19-EBEN Chincoteague Bay

Cause Location: This cause encompasses the southwest portion of Chincoteague Bay and west of Chincoteague Island; this cause is a relatively small circular area of southwest Chincoteague Bay.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Benthic probmon; WoE Station 7-CHT001.12. Potential chronic effects of cumulative sediment metals; excessive abundance of tubificids and spionids suggests possible eutrophication.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_CHT01B20 / Chincoteague Bay / West of Chincoteague Island (southwest circular area). DSS OPEN Condemnation # 100-097 (effective date 20181206)	5A	Estuarine Bioassessments	2020	L	0.016

Chincoteague Bay

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.016		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02E-01-BAC Assawoman Creek- Upper/Lower

Cause Location: This cause encompasses the entirety of Assawoman Creek. This Creek is North of Assawoman Island and discharges to Womans Bay.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is not supporting based on Enterococcus exceedances of the swimming criteria indicator at the lower segment (13 violates / 36 obs.) at Station 7-ASW003.36. 2024 - Enterococci data from station 7-ASW003.36 is insufficient with 1 exc out of 11 samples. The impaired status is retained. The upper portion of Assawoman assesses Recreation Use based on the extrapolated data from the downstream station.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 20221215)	4A	Enterococcus	1998	L	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2022-12-15).	4A	Enterococcus	1998	L	0.054
VAT-D02E_ASW02B12 / Assawoman Creek - Lower / From end of condemnation to mouth . Portion of DSS shellfish direct harvesting condemnation # OPEN 099-135 (effective date 20221215).	4A	Enterococcus	1998	L	0.010

Assawoman Creek- Upper/Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.136		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02E-01-DO Assawoman Creek- Upper/Lower

Cause Location: This cause encompasses the entirety of Assawoman Creek. This Creek is North of Assawoman Island and discharges to Womans Bay.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impaired based on DO concentrations that exceed the criteria for this parameter with 7 exc/ 35 samples At Station 7-ASW003.36. The upper portion of Assawoman Creek assessed using downstream monitoring at Station 7-ASW003.36.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 20221215)	5A	Dissolved Oxygen	2008	H	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2022-12-15).	5A	Dissolved Oxygen	2004	H	0.054
VAT-D02E_ASW02B12 / Assawoman Creek - Lower / From end of condemnation to mouth . Portion of DSS shellfish direct harvesting condemnation # OPEN 099-135 (effective date 20221215).	5A	Dissolved Oxygen	2004	H	0.010

Assawoman Creek- Upper/Lower

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.136		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02E-01-SF Assawoman Creek- Upper/Lower

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 099-135 A (effective 2017-12-12).

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting based on DSS Condemnation 099-135 A effective date 12-15-2022. The area decreased in size in the 2024 cycle. TMDL for Recreation and Shellfish bacteria impairments completed and approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ASW01A00 / Assawoman Creek - Upper / From headwaters downstream to confluence of Pettit Branch (RM 3.4). Portion of DSS shellfish direct harvesting condemnation # 099-135A (effective 20221215)	4A	Fecal Coliform	1998	L	0.073
VAT-D02E_ASW02A00 / Assawoman Creek - Lower / From confluence of Pettit Branch downstream to end of Shellfish Condemnation. Portion of DSS shellfish direct harvesting condemnation # 099-135 (effective date 2022-12-15).	4A	Fecal Coliform	1998	L	0.054

Assawoman Creek- Upper/Lower

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.126		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02E-10-SF Unsegmented estuaries in D02E

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 099-135 A 10/27/2016.

Cause City/County: Accomack County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting based on DSS Condemnation 099-135 A effective date 10-27-2016. Nested within Assawoman Creek TMDL completed and approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02E_ZZZ01B10 / Unsegmented estuaries in D02E / Evaluated non-segmented estuaries in D02E. DSS shellfish condemnations 099-135 A (effective 2022-12-15).	4A	Fecal Coliform	2010	L	0.007

Unsegmented estuaries in D02E

		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing	Fecal Coliform - Total Impaired Size by Water Type:	0.007		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02R-01-BAC Pettit Branch

Cause Location: This cause encompasses the entirety of the Pettit Branch water. South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use is impaired due to exceedance of the criteria for E.coli (4 exc/ 10 samples) at DEQ (AQM) station @ 7-PET000.80. TMDL completed and approved 11/7/2008. 1998 CD segment for FC & benthics (Attachment A, Category 1, Part 1) VAT-D02R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02R_PET01A00 / Pettit Branch / South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.	4A	Escherichia coli (E. coli)	1998	L	1.89

Pettit Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.89

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02R-01-BEN Pettit Branch

Cause Location: This cause encompasses the entirety of the Pettit Branch water. South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/4A

Cause Description: DEQ Streams Benthic-Macroinvertebrate Bioassessments using VCPMI. The Aquatic Life Use is impaired due to impacts to the stream's benthic population (VCPMI [2015: S= 25.4 F= 9.2 ; 2013: 14.4, 2010_IM: S=9.0, F=20.2] [2008_IM:S=11.7, F=23.0]. Possible runoff effects from Eastern Shore Seafood.

TMDL EPA approved 7/29/2010 for benthic D02R-01-BEN

1998 CD segment for FC & benthics (Attachment A, Category 1, Part 1) VAT-D02R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02R_PET01A00 / Pettit Branch / South shore tributary to Assawoman Creek. From headwaters to start of tidal waters.	4A	Benthic Macroinvertebrates Bioassessments	1996	L	1.89

Pettit Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.89

Sources: Seafood Processing Operations

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D02R-02-BAC Assawoman Creek

Cause Location: Riverine Portion of Assawoman Creek near Temperanceville Rd and east of Hwy 13.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: The Recreation Use is impaired based on E. coli data collected @ Station 7-ASW008.88 (2020 Cycle: 2 viol / 3 obs).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D02R_ASW01A16 / Assawoman Creek / Riverine Portion of Assawoman Creek near Temperanceville Rd and east of Hwy 13.	5A	Escherichia coli (E. coli)	2020	L	1.03

Assawoman Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.03

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-01-BAC Gargathy Creek - Upper and Lower

Cause Location: Upper estuarine portion of Gargathy Creek from headwaters downstream to end of DSS condemnation. Portion of DSS OPEN shellfish direct harvesting condemnation 098-172 (effective 20190624) and Lower estuarine portion of Gargathy Creek, from point at Cutoff Creek to downstream confluence with Gargathy Bay (RM 1.38).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: Recreation Use is impaired due to enterococcus data at station 7-GAR001.80 with 3 exceedances out of 25 samples and 0 geomean exceedances out of 3 geomean samples.- 2 or more STV exceedances in the same 90-day period with < 10 samples, no geomean exceedances.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_GAR01A04 / Gargathy Creek - Upper / Upper estuarine portion of Gargathy Creek from headwaters downstream to end of DSS condemnation. Portion of DSS OPEN shellfish direct harvesting condemnation # 098-172 (effective 2010-06-30).	5A	Enterococcus	2024	L	0.122
VAT-D03E_GAR02A04 / Gargathy Creek - Lower / Lower estuarine portion of Gargathy Creek, from point at Cutoff Creek to downstream confluence with Gargathy Bay (RM 1.38). Portion of DSS shellfish direct harvesting condemnation # 098-172 (effective 20190624).	5A	Enterococcus	2024	L	0.009

Gargathy Creek - Upper and Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.13		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-01-DO Gargathy Creek - Upper and Lower

Cause Location: Upper estuarine portion of Gargathy Creek from headwaters downstream to end of DSS condemnation. Portion of DSS OPEN shellfish direct harvesting condemnation 098-172 (effective 2010-06-30) and Lower estuarine portion of Gargathy Creek, from point at Cutoff Creek to downstream confluence with Gargathy Bay (RM 1.38).

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4A

Cause Description: The Aquatic Life Use is impaired at Station 7-GAR001.80 (7 exc/ 57 samples).

EPA approved TMDL for DO 10/17/2012. The TMDL endpoint is Total Nitrogen.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_GAR01A04 / Gargathy Creek - Upper / Upper estuarine portion of Gargathy Creek from headwaters downstream to end of DSS condemnation. Portion of DSS OPEN shellfish direct harvesting condemnation # 098-172 (effective 2010-06-30).	4A	Dissolved Oxygen	2024	L	0.122
VAT-D03E_GAR02A04 / Gargathy Creek - Lower / Lower estuarine portion of Gargathy Creek, from point at Cutoff Creek to downstream confluence with Gargathy Bay (RM 1.38). Portion of DSS shellfish direct harvesting condemnation # 098-172 (effective 20190624).	4A	Dissolved Oxygen	2024	L	0.009

Gargathy Creek - Upper and Lower

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.13		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-02-BAC Finney Creek - Upper

Cause Location: This cause encompasses the upper portion of Gargathy Creek. Tributary to Hummock Cove, station located near Locustville. Upper portion upstream of widening (approx, RM 2.38).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Recreation Use is impaired due to 7 viol / 11 obs. of the criteria for Enterococci bacteria at DEQ (AQM) station @ 7-FNC002.46. Previous impairment was based on Fecal Coliform data during the 2006 cycle at Station 7-FNC002.43. The Recreation Use impairment is included in the TMDL for Pathogens for Finney Creek (EPA TMDL ID 42427), EPA approved 9/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_FNC01A04 / Finney Creek - Upper / Tributary to Hummock Cove, station located near Locustville. Upper portion upstream of widening (approx. RM 2.38). No DSS shellfish direct harvesting condemnation.	4A	Fecal Coliform	2004	L	0.002

Finney Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.002		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-05-BAC Parker Creek - Middle and Lower

Cause Location: This cause encompasses the middle and lower portions of Parker Creek. Tributary to Metompkin Bay. Middle estuarine portion of creek, from confluence of North Fork (RM 1.3) downstream to end of DSS condemnation.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired based on Enterococcus data collected at 7-PAR001.20 with 4 viol /11 obs. There is a TMDL for Recreation and Shellfish impairments that was EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_PAR01A06 / Parker Creek - Middle / Tributary to Metompkin Bay. Middle estuarine portion of creek, from confluence of North Fork (RM 1.3) downstream to end of DSS (ADMINISTRATIVE) shellfish condemnation # 098-098B (effective 2005-06-15).	4A	Enterococcus	2006	L	0.018
VAT-D03E_PAR02A06 / Parker Creek - Lower / Tributary to Metompkin Bay. Lower estuarine portion of creek, from start of DSS shellfish Admin condemnation downstream to mouth (RM 0.0). DSS shellfish condemnation # 098-098A (effective 2005-06-15).	4A	Enterococcus	2006	L	0.029

Parker Creek - Middle and Lower

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.047		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-07-BAC Wachapreague Channel

Cause Location: This cause encompasses a portion of Wachapreague Channel. Portion below Bunting Point Road to boat launch. Segment around area at Wachapreague Harbor.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: Data to assess the Use extrapolated from upstream station at 7-WAS003.26. Recreation Use was previously not supporting based on data for Enterococci with 1 exceedance of 17 samples. In the 2022 IR cycle, there are 0 out of 24 samples with an insufficient status due to no STV exceedances but insufficient data to analyze geomean. The impaired status is retained.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_WAS02A14 / Wachapreague Channel / Located east of Wachapreague. Segment around area at Wachapreague harbor. DSS shellfish harvesting condemnation # 097-219 M1 (effective 2013-09-05).	5A	Enterococcus	2008	L	0.026

Wachapreague Channel

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.026		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-08-DO Northam Creek

Cause Location: This cause encompasses a portion of Northam narrows between Hog Neck Creek and Mud Narrows, below Assawoman Creek.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use impairment is retained due to dissolved oxygen concentrations from 2008 Assessment (3 violates / 3 obs.) below the criteria minimum.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_NOT01A08 / Northam Creek / Estuarine portion of Northam Creek DSS (OPEN) # 099-135 OPEN effective date 20221215.	5A	Dissolved Oxygen	2004	L	0.028

Northam Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.028		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03E-09-BAC Folly Creek - Upper and Middle

Cause Location: Tributary to Metompkin Bay. Upper and middle estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation. DSS OPEN shellfish condemnation 097-173 (effective date 20130905).

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: The Recreation Use is impaired due to enterococcus data at station 7-FLL002.46 with 4 exceedances out of 12 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03E_FLL01A08 / Folly Creek - Upper & Middle / Tributary to Metompkin Bay. Upper and middle estuarine portion of Folly Creek, from end of tidal downstream to end of shellfish condemnation. DSS OPEN shellfish condemnation # 097-173 (effective date 20130905).	4A	Enterococcus	2024	L	0.376

Folly Creek - Upper and Middle

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.376		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-01-BAC Parker Creek

Cause Location: This cause encompasses the Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use is impaired due to exceedance (5 exc / 11 samples) of the criteria for E.coli bacteria at Station 7-PAR003.09 - 2 or more STV hits in the same 90-day period with < 10 samples. TMDL for Recreation and Shellfish impairments EPA approved 1/15/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PAR01A00 / Parker Creek / Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.	4A	Escherichia coli (E. coli)	1994	L	2.03

Parker Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			2.03

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-01-BEN Parker Creek

Cause Location: This cause encompasses the Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/4A

Cause Description: The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic population impacts were recorded at the following sample events:

7-PAR003.09 - VCPMI [2012_IM: S=8.0, F=14.4, 2013:S=10.7 F=15.5 2014: F=18.0 2015: S= 9.1 F = 7.7 2016: S = 8.0 F= 31.2 2018: S=17.2 F=22.7 2017: S=31.1]

7-PAR004.35 - VCPMI [2009: S=1.9 F=10.5 2010: S=12.7 F=19.1 2011:S=16.5 F=12.5 2012: S=13.2, F=31.2; 2013: S=19.4 F=17.6 2014: F=18.8 2015: S= 13.2 F= 18.8 2016: S= 9.0 F= 22.3 2018: S=11.4 F=28.5 2017: S=17.4 F=12.4]

TMDL for benthic EPA approved 11/7/08.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PAR01A00 / Parker Creek / Riverine section of Parker Creek, from headwaters (at PERDUE plant - VA0003808) downstream to start of tidal waters (downstream of RM 2.9). Located northeast of Accomack.	4A	Benthic Macroinvertebrates Bioassessments	1994	L	2.03

Parker Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.03

Sources: Agriculture; Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-01-DO Rattrap Creek

Cause Location: Rattrap Creek perpendicular to Forest Rd and Eastern Shore Railroad.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic life Use is impaired due to DO data collected @ Station 7-RTT004.32 (2/7 exceedance rate). Station 7-PNF001.98 is impaired for DO with 3 exceedances out of 16 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PNF01A14 / North Fork / North Fork of Parker Creek. Near Parker Neck. From the end of tidal waters crossing US Route 13 to end of stream.	5A	Dissolved Oxygen	2024	L	3.13
VAT-D03R_RTT02A20 / Rattrap Creek / Rattrap Creek perpendicular to Forest Rd and Eastern Shore Railroad.	5A	Dissolved Oxygen	2022	L	1.51

Rattrap Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			4.64

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-02-BAC Gargathy Creek

Cause Location: This cause encompasses the Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/4A

Cause Description: The Recreation Use impairment is retained from 2004 list date for Fecal Coliform. No bacteria data within assessment window. TMDL of DO and Pathogens for Gargathy Creek (Upper, Lower and Riverine Portions) in Accomack County, Virginia EPA approved 10/17/2012.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_GAR01A02 / Gargathy Creek / Riverine portion of Gargathy Creek, from headwaters downstream to beginning of tidal waters. Located southeast of Nelsonia.	4A	Escherichia coli (E. coli)	2004	L	2.84

Gargathy Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			2.84

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-03-BEN Ross Branch

Cause Location: This cause encompasses the Riverine section of Ross Branch, segment begins at headwaters extending downstream to start of tidal waters. Located south of Accomack. Tributary to Folly Creek.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: DEQ Streams Benthic-Macroinvertebrate Bioassessments using VCPMI at Station 7-RSS001.40. VCPMI 2022: [S=23.4 F=48.8 2021: S=19.1 F=25.8 2020: S=8.5 F=33.5 2019: S=12.6 IM _2014: F=26.4 2012: IM F=29.3, 2010_IM: S=13.0, F=12.6] Site is often dominated by high numbers of scuds which drive down taxa richness scores. Site is possibly affected by agricultural runoff. Toxics are supporting @ 7-RSS001.40. VCPMI [2020: S=8.5 F=33.5 2019: S=12.6 2014: F=26.4 2012: F=29.3, 2010: S=13.0, F=12.6] Site is often dominated by high numbers of scuds which drive down taxa richness scores. Site is possibly affected by agricultural runoff.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_RSS01A02 / Ross Branch / Tributary to Folly Creek. Riverine section of Ross Branch, segment begins at headwaters extending downstream to start of tidal waters. Located south of Accomack.	5A	Benthic Macroinvertebrates Bioassessments	2002	H	3.2

Ross Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			3.2

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-04-BEN Unnamed tributary to Folly Creek

Cause Location: This cause encompasses the headwaters downstream to start of tidal waters. Located east of Accomack, near Edge Hill Cemetery.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: ALUS is impaired based on benthic VCPMI scores. Benthic population impacts were recorded at the following sample events: 7-XDE000.40 - VCPMI [2020: S=10 F=51] and [2018: S=12.6 F=36.8I] and [2012: F=36.4] and [2014: F=50.4] and [2010_IM:S=14.1, F=54.0] and [2008: S=13.0, F=37.3] and [2007: S-12.2 and F = 29.7]. Observations during benthic data collection - Stream has a petroleum smell .

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_XDE01A02 / Unnamed tributary to Folly Creek / Segment begins at headwaters downstream to start of tidal waters. Located east of Accomack, near Edge Hill Cemetery.	5A	Benthic Macroinvertebrates Bioassessments	2002	H	1.53

Unnamed tributary to Folly Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.53

Sources: Leaking Underground Storage Tanks; Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-05-BEN Rattrap Creek

Cause Location: This cause encompasses the end of Finneys Creek near Locustville. Near Intersection of Drummond Rd and Locustville Rd, approx 2.6 mi.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired based on the biological monitoring data from Station 7-RTT000.49 with VCPMI scores [IM_ 2014: S=35.3 2013: F=31.6 2010: S=23.2, F=26.8] and 7-RTT000.74 [2020: S= 28 F=32 2021: S= 14.5 F= 41.4 2022: S= 19.6 F= 34.5].

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_RTT01A12 / Rattrap Creek / End of Finneys Creek near Locustville. Near Intersection of Drummond Rd and Locustville Rd, approx 2.6 mi.	5A	Benthic Macroinvertebrates Bioassessments	2012	H	2.74

Rattrap Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			2.74

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-06-BEN North Fork

Cause Location: This cause encompasses the north Fork of Parker Creek. Near Parker Neck. From the end of tidal waters crossing US Route 13 to end of stream.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired based on the benthic VCPMI scores collected at station 7-PNF001.98. Benthic Data IM [2011:S=39.4 F=10.0 2013: F=7.2 2014: S=16.4 2020: F=28]. There is potential stress causing the low scores at this site. Physical habitat conditions may also be influencing diversity, as riparian zone width is suboptimal and there is noticeable sedimentation in the stream.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_PNF01A14 / North Fork / North Fork of Parker Creek. Near Parker Neck. From the end of tidal waters crossing US Route 13 to end of stream.	5A	Benthic Macroinvertebrates Bioassessments	2016	H	3.13

North Fork

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			3.13

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D03R-07-BEN Custis Creek

Cause Location: This cause encompasses the riverine portion of Creek off of Burtons Bay near Locustville.

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is not supported based on the benthic macroinvertebrate data collected at Station 7-CUS004.08. Benthic data was evaluated using the VCPMI index. Data was collected in 2013 with S=17.5 and F= 15.5. 2021 spring - 15.51, fall - 24.33. 2022 Spring - 23.86, Fall - 36.1. These newer scores were graded as fair by the biologist. The benthic impairment is retained. This is a small first order stream on the eastern shore similar to Ross Branch in habitat. Custis Creek site has limited instream habitat for colonization of benthic organisms and may be subject to agricultural runoff from nearby farm fields. The stream seems to be dominated by midges and fingernail clams. Both values are below the 40 VCPMI criteria and therefore this station is listed as impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D03R_CUS01A16 / Custis Creek / Riverine portion of Creek off of Burtons Bay near Locustville.	5A	Benthic Macroinvertebrates Bioassessments	2016	H	1.23

Custis Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.23

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-01-DO Red Bank Creek-Upper

Cause Location: This cause encompasses all portions of Red Bank Creek. Tributary to Hog Island Bay.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use impairment is retained from 2008 Assessment. No new data within assessment window. Impaired (2 violates / 3obs.) due to dissolved oxygen concentrations below the criteria minimum (4.0 mg/l).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_RBC01A08 / Red Bank Creek - Upper / Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from end of tidal waters downstream to confluence of UT (XDF). DSS shellfish open condemnation # 095-192 (effective 2022-06-15).	5A	Dissolved Oxygen	2004	L	0.003

Red Bank Creek-Upper

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.002		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-02-DO Unnamed tributary to Red Bank Creek

Cause Location: This cause encompasses a portion of an unnamed Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS shellfish direct harvesting conde

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use impairment is retained based on DO violations. Previous Assessment: The Aquatic Life Use is impaired due to dissolved oxygen concentrations (2 exc/ 4 samples) below the criteria minimum (4.0 mg/l).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_XDF01A04 / Unnamed tributary to Red Bank Creek / Tributary to Red Bank Creek. Southeast of Marionville, near Brick House Neck. Segment from first branching of creek (RM 0.3) downstream to confluence with Red Bank Creek. DSS OPEN shellfish direct harvesting condemnation # 095-192 (effective 20220615).	5A	Dissolved Oxygen	2020	L	0.009

Unnamed tributary to Red Bank Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.009		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-05-BAC Machipongo River

Cause Location: This cause encompasses from the end of tidal waters downstream to 0.5 mi. south of Rt 182 crossing (minus area at mouth of Greens Creek).

Cause City/County: Accomack County; Northampton County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: No new data in the 2024 IR cycle. The Recreation Use is impaired based on E.coli concentration exceed the swimming criteria indicator at station 7-MAC008.55 (2 violates/ 12 obs.). Bacteria TMDL Development in Red Bank Creek and Machipongo River, Virginia was completed and EPA approved 1/26/2015.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_MAC01A00 / Machipongo River / Located east of Exmore. Segment extends from end of tidal waters downstream to 0.5 mi. south of Rt 182 crossing (minus area at mouth of Greens Creek). DSS Admin condemnation # 096-218 A (effective date 2009-9-11).	4A	Enterococcus	2008	L	0.314

Machipongo River

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.314		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-09-DO Quinby Harbor-Upshur Bay

Cause Location: Located east of Quinby. Segment around area at mouth of Quinby Harbor. DSS shellfish seasonal direct harvesting condemnation 096-218 M1 (effective 2009-9-11).

Cause City/County: Accomack County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impaired due to DO impairment @ Station 7-UPS001.97 (5 viol / 22 obs).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_UPS01A06 / Quinby Harbor-Upshur Bay / Located east of Quinby. Segment around area at mouth of Quinby Harbor. DSS shellfish seasonal direct harvesting condemnation # 096-218 M1 (effective 2009-9-11).	5A	Dissolved Oxygen	2020	L	3.389

Quinby Harbor-Upshur Bay

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	3.389		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-11-EBEN Machipongo River-Middle

Cause Location: Middle-Machipongo River

Cause City/County: Accomack County; Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: 7CMAC002.45 - '17 C2 (5A). Benthic probmon. Potential exists for chronic effects of sediment metals.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_MAC01B20 / Machipongo River-Middle / Middle-Machipongo River	5A	Estuarine Bioassessments	2020	L	0.134

Machipongo River-Middle

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.134		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-12-EBEN Parting Creek

Cause Location: Area downstream of Old Trower to the confluence with the Machipongo River. Tributary to the Machipongo River. Near Exmore.

Cause City/County: Accomack County; Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: The Aquatic Life Use impairment is impaired for the stream's benthic population as measured by DEQ's Benthic-Macroinvertebrate Bioassessments program. WoE Station 7CPRT001.40 is not supporting for benthics

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_PRT01A08 / Parting Creek - Upper & Middle / Upper and middle portion, area of Old Trower downstream to above Willis Wharf. Tributary to Machipongo River. Located east of Exmore. DSS shellfish OPEN condemnation # 096-217 (effective date 2010-09-16).	5A	Estuarine Bioassessments	2024	L	0.385

Parting Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.385		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04E-13-BAC Quinby Harbor-Upshur Bay

Cause Location: Located east of Quinby. Segment around area at mouth of Quinby Harbor.

Cause City/County: Accomack County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: ENTER: Impaired- geomean exceedance in any 90-day period at station 7-UPS001.97.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_UPS01A06 / Quinby Harbor-Upshur Bay / Located east of Quinby. Segment around area at mouth of Quinby Harbor. DSS shellfish seasonal direct harvesting condemnation # 096-218 M1 (effective 2009-9-11).	5A	Enterococcus	2024	L	3.389

Quinby Harbor-Upshur Bay

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	3.389		

Sources: Agriculture

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04R-01-DO Red Bank Creek

Cause Location: This cause encompasses the area southeast of Marionville. Segment from headwaters downstream to end of tidal waters.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5C

Cause Description: The Aquatic Life Use is impaired for DO at Station 3-RBC003.87 with DO 3 exc/11 samples. pH is supported with 0 exc/ 11 samples. Draft DO natural conditions evaluation for this impairment and Unnamed tributary to Red Bank Creek .

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_RBC01A04 / Red Bank Creek / Southeast of Marionville. Segment from headwaters downstream to end of tidal waters.	5C	Dissolved Oxygen	2016	L	1.37

Red Bank Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			1.37

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D04R-03-BEN Frogstool Branch

Cause Location: This cause encompasses the area near Red Hill.

Cause City/County: Accomack County; Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use is impaired during the 2024 IR due to benthics data collected @ Station 7-FRB001.94. VCPMI [2010: S=24.9, F=38.8 2013: F=57.0 2014: S=18.3 2016: F=84.2 2017: S=29.6 2019: F= 38.4 2021: S= 25.57]. The final 2 year VCPMI average was 32. The biologist notes strong seasonal pattern with fall scores exceeding spring scores in these and previous cycles

TRO Biologist - "This stream is dominated by midges and fingernail clams, but the majority of taxa are facultative to tolerant with some more sensitive ones sprinkled in. It is known that the VCPMI scores in spring are consistently lower than fall scores, and spring scores here have recently been in a range that would indicate no impairment. 2016 fall scores were far above the impairment threshold and, while the most recent fall scores fell below the threshold, they were close enough to it that I do not want to delcare the stream unsupporting without additional data. We have plans to resume sampling there, so it is my hope that we will see stronger fall scores again."

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_FRB01A12 / Frogstool Branch / Tributary to Machipongo River near Red Hill.	5A	Benthic Macroinvertebrates Bioassessments	2024	L	4.28

Frogstool Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			4.28

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05E-01-BAC Oyster Slip (Harbor) - Upper

Cause Location: This cause encompasses area adjacent to Brockenberry Bay within upper portion of the harbor. Located in the town of Oyster, east of Cheriton.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A

Cause Description: No data to assess within the assessment window. The status is retained.

The Recreation Use impairment is retained, data within assessment window is from 2005 with 0 exc/ 3 samples. of the instantaneous criteria for Enterococcus bacteria at DEQ (AQM) station @ 7-OSS000.37. Nested within Shellfish TMDL completed 6/19/2009.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05E_OSS01A00 / Oyster Slip (Harbor) - Upper / Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS shellfish direct harvesting Restricted condemnation # 094-012 A (effective 2014-02-26).	4A	Enterococcus	2006	L	0.034

Oyster Slip (Harbor) - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.034		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05E-01-HG Oyster Slip (Harbor) - Upper

Cause Location: This causes encompasses the area adjacent to Brockenberry Bay within upper portion of the harbor. Located in the town of Oyster, east of Cheriton.

Cause City/County: Northampton County

Use(s): Fish Consumption

Causes(s)/VA Category: Mercury in Fish Tissue/5A

Cause Description: Fish Consumption is impaired based on Fish Tissue data collected 08-IM, FT_Met-Hg Sandbar Shark; 08-OE-Pb Oyster; 08 PCB Support at DEQ (AQM) station @ 7-OSS000.20.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05E_OSS01A00 / Oyster Slip (Harbor) - Upper / Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS shellfish direct harvesting Restricted condemnation # 094-012 A (effective 2014-02-26).	5A	Mercury in Fish Tissue	2010	L	0.034

Oyster Slip (Harbor) - Upper

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Mercury in Fish Tissue - Total Impaired Size by Water Type:	0.034		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05E-02-SF Oyster Slip (Harbor) - Upper

Cause Location: Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS shellfish direct harvesting Restricted condemnation 094-012 A (effective 2014-02-26).

Cause City/County: Northampton County

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: This impairment was listed in the TMDL extent and is therefore not a nested impairment. The use was delisted in the 2016 IR. 094-12 A (effective 2014-02-26).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05E_OSS01A00 / Oyster Slip (Harbor) - Upper / Located in the town of Oyster, east of Cheriton. Adjacent to Brockenberry Bay. Upper portion of the harbor. DSS shellfish direct harvesting Restricted condemnation # 094-012 A (effective 2014-02-26).	4A	Fecal Coliform	2020	L	0.034

Oyster Slip (Harbor) - Upper

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.034		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05R-01-BAC Taylor Creek

Cause Location: This cause encompasses area from Penn Central RR crossing downstream to impoundment 0.1 mi. downstream of station. Located northeast of Simpkins.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: Recreation Use is impaired based on E.coli data from Station 7-TAL000.80 with 4 exceedances/ 12 samples. The impaired status is given due to 2 or more STV hits in the same 90-day period with < 10 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_TAL01A02 / Taylor Creek / Located northeast of Simpkins. Segment from Penn Central RR crossing downstream to impoundment 0.1 mi. downstream of station.	5A	Escherichia coli (E. coli)	2002	L	1.26

Taylor Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.26

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05R-02-BAC Holt Creek

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Martins Siding.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: Recreation use is impaired due to E. coli data at station @ 7-HLT002.08 (3 exceedances/ 24 samples). The impairment status is given due to 2 or more STV hits in the same 90-day period with < 10 samples.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_HLT01A04 / Holt Creek / Located east of Martins Siding. Segment from headwaters downstream to start of tidal waters.	5A	Escherichia coli (E. coli)	2004	L	1.75

Holt Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.75

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05R-03-BAC Holt Creek Unnamed Tributary

Cause Location: This cause encompasses the area from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek. Located east of Martins Siding.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: No data to assess within the assessment window. The status is retained.

The Recreation Use impairment is retained based on Fecal Coliform data. Current E.coli data collected is 1 exc/ 1 sample. Previous (2006 IR) TMDL ID = VAT-D05R-03.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_XDI01A04 / Holt Creek Unnamed Tributary / Located east of Martins Siding. Segment from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek.	5A	Escherichia coli (E. coli)	2004	L	1.42

Holt Creek Unnamed Tributary

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.42

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D05R-03-BEN Holt Creek Unnamed Tributary

Cause Location: This cause encompasses the area from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek. Located east of Martins Siding.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: Benthic IM based on VCPMI [2020: S=15][2018: S=20.8 F=11.7] [2014: S=25.4] [2013: F=41.3] [2009_IM: S=8.6, F=48.4] and [2008: F=29.0]
Habitat is good at this site and there are no obvious point sources, so it is likely that non-point sources are responsible for impairment here. The scores at this site jump around a good bit with a tendency for higher scores in the fall indicating that seasonal effects are probably also being picked up by the metrics in addition to any anthropogenic effects

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D05R_XDI01A04 / Holt Creek Unnamed Tributary / Located east of Martins Siding. Segment from Penn Central RR crossing near headwaters downstream to confluence with Holt Creek.	5A	Benthic Macroinvertebrates Bioassessments	2012	L	1.42

Holt Creek Unnamed Tributary

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.42

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06E-01-DO Magothy Bay - Lower

Cause Location: This cause encompasses the area east of Skidmore Island.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: No new data to assess in the 2022 IR cycle.

The Aquatic Life use is impaired based on data from 2008 Assessment for the DO concentration exceeding the criteria for this parameter (2 exc/ 5 samples.). Now data from 01 and 02 drop out therefore 2 /5 violate. Can not delist DO.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06E_MAG01A04 / Magothy Bay - Lower / Located east of Skidmore Island. No DSS shellfish condemnation.	5A	Dissolved Oxygen	2004	L	0.037

Magothy Bay - Lower

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.037		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06E-02-PCB Raccoon Creek

Cause Location: This cause encompasses Raccoon Creek. The area southwest of Magothy Bay.

Cause City/County: Northampton County

Use(s): Fish Consumption

Causes(s)/VA Category: PCBs in Fish Tissue/5A

Cause Description: No new data to assess in the 2022 IR cycle.

The Fish Consumption Use is impaired based on Fish Tissue data collected for PCBs with an observed effect for arsenic. Station 7-RAC000.00 is impaired for PCBs in FT found in Bass, Trout and Blue Crab from 2008 and 2006.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06E_RAC01A08 / Raccoon Creek / South west of Magothy Bay. No DSS condemnation area.	5A	PCBs in Fish Tissue	2010	L	0.004

Raccoon Creek

Fish Consumption	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:	0.004		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06E-03-EBEN Magothy Bay - Middle

Cause Location: Central Magothy Channel, north of Dunton Cove to Raccoon Island. No DSS shellfish condemnation.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Estuarine Bioassessments are impaired at station 7CMAG003.48

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06E_MAG02B24 / Magothy Bay - Middle / Central Magothy Channel, north of Dunton Cove to Raccoon Island. No DSS shellfish condemnation.	5A	Estuarine Bioassessments	2024	L	0.785

Magothy Bay - Middle

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	0.785		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-01-DO Mill Creek

Cause Location: This cause encompasses the area at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters. Located north of Capeville.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4A

Cause Description: Aquatic Life Use is impaired due to DO data (7 exc / 19 samples) at station 7-MCR002.00. This parameter was first listed in the 1998 IR cycle. pH and temperature are supporting, both with 0 exceedances out of 19 samples. The DO impairment is covered under the TMDL for DO in Mill Creek, Northampton County VA with EPA approval date of 6/24/2009 which establishes both Total Organic Carbon and Total Nitrogen. TMDL EPA approved 6/24/2009 for DO. Low DO is caused by high inflow of nitrogen and organic carbon. The high temperature, low re-aeration, decay of organic materials and nitrogen oxidation, and the high SOD due to accumulated deposition of organic matter, are the dominant causes of low DO (reference from TMDL).

1998 CD segment for DO (Attachment A, Category 1, Part 2) VAT-D06R-01.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_MCR01A00 / Mill Creek / Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.	4A	Dissolved Oxygen	1998	L	2.24

Mill Creek

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			2.24

Sources: Atmospheric Deposition; Crop Production (Crop Land or Dry Land); Groundwater Loadings; Manure Runoff; Non-Point Source; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Wastes from Pets; Waterfowl; Wildlife Other than Waterfowl

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-02-BAC Narrow Channel Branch

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: No data to assess within the assessment window. The status is retained.

The Recreation Use is impaired based on the E.coli data collected at Station 7-NCB000.97 which had 3 exc/ 5 samples within the 2018 IR data window. The impairment is retained in the 2020 IR cycle; there is no data within the 2020 IR cycle to assess.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A	Escherichia coli (E. coli)	2004	L	1.85

Narrow Channel Branch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.85

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-02-BEN Narrow Channel Branch

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Benthic Macroinvertebrates Bioassessments/5A

Cause Description: The Aquatic Life Use impairment is retained for 2020 Assessment. No new benthic data within the assessment window. The Aquatic Life Use is impaired due to impacts to the stream's benthic population. DEQ (Bio) monitoring determines impairment by benthic assessment ratings of SI (spring 2001) & MI (fall 2001).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A	Benthic Macroinvertebrates Bioassessments	2004	L	1.85

Narrow Channel Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			1.85

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-02-DO Narrow Channel Branch

Cause Location: This cause encompasses the area from headwaters downstream to start of tidal waters. Located east of Bayview.

Cause City/County: Northampton County

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: No data to assess within the assessment window. The status is retained.

The Aquatic Life Use is impaired based on 2011 and 2012 data for DO that exceed the WQS with 2 exc/ 6 samples. Additional monitoring is requested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_NCB01A04 / Narrow Channel Branch / Located east of Bayview. Segment from headwaters downstream to start of tidal waters.	5A	Dissolved Oxygen	2014	L	1.85

Narrow Channel Branch

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			1.85

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-03-BAC Tommy's Ditch

Cause Location: This cause encompasses the entirety of Tommy's Ditch west of Kiptopeke State Park.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: The Recreation Use is impaired based on E.coli criteria exceeded (5 viol / 11 obs) at DEQ station @ 7-TOM001.73.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_TOM01A08 / Tommy's Ditch / East of Kiptopeke State Park	5A	Escherichia coli (E. coli)	2008	L	1.45

Tommy's Ditch

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			1.45

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D06R-04-BAC Mill Creek

Cause Location: Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.

Cause City/County: Northampton County

Use(s): Recreation

Causes(s)/VA Category: Escherichia coli (E. coli)/5A

Cause Description: The Recreation Use is insufficient based on data collected at station 7-MCR002.00 with 2 exceedance/ 12 samples in the 2022 IR cycle. The insufficient status is given due to one STV exceedance in one or multiple 90-day periods but insufficient data to analyze geomean. This AU was impaired in the 2020 IR cycle. Recreation remains impaired.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D06R_MCR01A00 / Mill Creek / Located north of Capeville. Segment begins at the start of Mill Creek upstream of Penn central RR crossing and ends downstream of Rt 600 at the beginning of the impoundment upstream of tidal waters.	5A	Escherichia coli (E. coli)	2020	L	2.24

Mill Creek

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			2.24

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-02-SF Lake Wesley - Upstream Branches

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Condemnation 073-074A (effective 2013-06-11).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting with DSS shellfish condemnation 073-074A (effective 2013-06-11)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAI01A06 / Lake Rudee - Upper / Lake Rudee, from end of Owl Creek downstream to approx. RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal). Portion of DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.093
VAT-D07E_LAI03A20 / Lake Rudee - Upper (northwest trib.) / Tributary of Lake Rudee between Terrace Ct and Caspian Ave	4A	Fecal Coliform	2006	L	0.007

Lake Wesley - Upstream Branches

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.099		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-04-BAC Owl Creek - Upper

Cause Location: This cause encompasses the Headwaters of Owl Creek downstream to point where creek widens.

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/4A; Enterococcus/5A

Cause Description: Recreation Use impaired due to Enterococcus bacteria concentrations exceeding (2 violates / 11 obs.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL01A02 / Owl Creek- Upper / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	4A	Enterococcus	2002	L	0.006
VAT-D07E_OWL03A20 / Owl Creek- Upper Trib. / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters upstream to the upper-middle portion. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5A	Enterococcus	2002	L	0.001

Owl Creek - Upper

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.007		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Source Unknown; Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-04-DO Owl Creek - Upper

Cause Location: This cause encompasses the upper portion of Owl Creek a tributary to Lake Rudee, located west of Lake Christine.

Cause City/County: Virginia Beach

Use(s): Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/5A

Cause Description: The Aquatic Life Use is impaired due to dissolved oxygen concentrations at station 7-OWL000.77 and 7OWL-2-VAMSC with 2 violates / 6 obs. and 5 viol/ 9 obs below the criteria minimum (4.0 mg/l). This TMDL ID (VAT-D07E-05) is added for the 2006 IR.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL03A20 / Owl Creek- Upper Trib. / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters upstream to the upper-middle portion. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	5A	Dissolved Oxygen	2006	L	0.001

Owl Creek - Upper

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	0.001		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-04-SF Owl Creek - Upper and Lower

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Restricted Condemnation 073-074A (effective 2013-06-11).

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfishing Use is not supporting with DSS shellfish Restricted condemnation 073-074A (effective 2013-06-11).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_OWL01A02 / Owl Creek- Upper / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters downstream to point where creek broadens. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.006
VAT-D07E_OWL02A02 / Owl Creek - Lower / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from mid-way point where creek broadens downstream to confluence with Lake Rudee. Portion of DSS shellfish direct harvesting Restricted condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.019
VAT-D07E_OWL03A20 / Owl Creek- Upper Trib. / Headwaters tributary to Lake Rudee, located west of Lake Christine. Segment from headwaters upstream to the upper-middle portion. Portion of DSS shellfish direct harvesting condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.001

Owl Creek - Upper and Lower

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.026		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-10-SF Lake Wesley - Upstream Branches

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 073-074 A, 6/11/2013.

Cause City/County: Virginia Beach

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/4A

Cause Description: The Shellfish Use is impaired based on DSS Condemnation 073-074 A effective date 2013-06-11.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAE01A06 / Lake Wesley - Upstream Branches / From start of both branches downstream to confluence with Rudee Inlet; western portions. Segment reflects status of station at mid-embayment. DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.018
VAT-D07E_LAE02A20 / Lake Wesley - Upstream Branches / From start of both branches downstream to confluence with Rudee Inlet; eastern portion. Segment reflects status of station at mid-embayment. DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.016
VAT-D07E_LAI02A06 / Lake Rudee - Lower (Rudee Inlet Canal) / Lower portion of Lake Rudee, including Rudee Inlet Canal. From RM 0.4 (upstream of confluence of Lake Holly with Rudee Inlet canal) downstream through Inlet canal to mouth. Portion of DSS shellfish harvesting condemnation # 073-074 (effective 2013-06-11).	4A	Fecal Coliform	2006	L	0.026

Lake Wesley - Upstream Branches

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.06		

Sources: Agriculture; On-site Treatment Systems (Septic Systems and Similar Decentralized Systems); Urban Runoff/Storm Sewers

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-11-BAC Lake Wesley - Upstream Branches

Cause Location: From start of both branches downstream to confluence with Rudee Inlet; eastern portion. Segment reflects status of station at mid-embayment. DSS shellfish condemnation 073-074 A (effective 2013-06-11).

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: No new data to assess in the 2022 IR cycle.

The Recreation Use is impaired due to Enterococci data collected @ Station 7LAE-7-VAMSC (2 exc/ 13 samples). This is an initial listing in the 2020 IR cycle. Split from VAT-D07E_LAE01A06 due to this impairment.
Citizen monitoring data from Virginia Aquarium and Marine Science Center.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAE02A20 / Lake Wesley - Upstream Branches / From start of both branches downstream to confluence with Rudee Inlet; eastern portion. Segment reflects status of station at mid-embayment. DSS shellfish condemnation # 073-074 A (effective 2013-06-11).	5A	Enterococcus	2020	L	0.016

Lake Wesley - Upstream Branches

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.016		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: D07E-12-BAC Lake Rudee - Upper (northwest trib.)

Cause Location: Tributary of Lake Rudee between Terrace Ct and Caspian Ave

Cause City/County: Virginia Beach

Use(s): Recreation

Causes(s)/VA Category: Enterococcus/5A

Cause Description: No new data in the 2022 IR cycle.

The Recreation Use is impaired due to data collected @ Station 7LAI-4-VAMSC (5 exc/ 27 samples) . This is a relisting from the 2018 delisting.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D07E_LAI03A20 / Lake Rudee - Upper (northwest trib.) / Tributary of Lake Rudee between Terrace Ct and Caspian Ave	5A	Enterococcus	2020	L	0.007

Lake Rudee - Upper (northwest trib.)

Recreation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	0.006		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: LYNPH-SAV-BAY Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries

Cause Location: This cause encompasses the entirety of the Lynnhaven River CBP segment LYNPH and Tributaries. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH.

Cause City/County: Virginia Beach

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The polyhaline Lynnhaven River did not meet the Chesapeake Bay Shallow Water Subuse's submerged aquatic vegetation acreage criterion. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010, this segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_BBY01A14 / Broad Bay / East of Lynnhaven River. Located adjacent to Broad Bay Colony area of VB. CBP segment LYNPH. BIBI segment LYNPHa. DSS (OPEN) shellfish direct harvesting condemnation # 071-095 (effective 20220915)	4A	Aquatic Plants (Macrophytes)	2006	L	1.226
VAT-C08E_BBY01B10 / Broad Bay - Upper, UTs W. Shore [Admin Cond] / East of Lynnhaven River. Located adjacent to Broad Bay Colony area. UTs along W. Shore of Broad Bay [Admin Cond]. CBP segment LYNPH. BIBI segment LYNPHa. DSS (Admin Cond) shellfish condemnation # 071-095 D, F, H (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2010	L	0.039
VAT-C08E_CRY01A00 / Crystal Lake / Includes Rainey Gut. Located in North Linkhorn Park area in Virginia Beach. East of Lynnhaven River. CBP segment LYNPH. DSS ADMIN condemnation # 071-010 B (effective 20200315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C08E_DEY02A18 / Dey Cove/Mill Dam Creek- Mouth / Located attached to west shore of Broad Bay Colony area of VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa. DSS condemnation # 071-095 E (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAT-C08E_DEY03A24 / Dey Cove/Mill Dam Creek / Tributary on western shore of Broad Bay near Great Neck Area in VB. East of Lynnhaven River. CBP segment LYNPH BIBI segment LYNPHa.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_EBL01A06 / Eastern Branch - Upper, Lynnhaven River / From end of London Br. Cr. (Rt 58 crossing) downstream to Smith Point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS ADMIN condemnation # 070-025 A (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.226
VAT-C08E_EBL01B10 / Eastern Branch - Lower Upper, Lynnhaven River / From Smith Point downstream to Sandy point. CBP segment LYNPH. BIBI segment LYNPHa. Portion of DSS condemnation # 070-025 A (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2010	L	0.263
VAT-C08E_EBL02A08 / Eastern Branch - Lower, Lynnhaven River / From Mapps Point to the eastern shore embayment near Forest Hills. CBP segment LYNPH. Portion of DSS condemnation # 070-025 A (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2008	L	0.434
VAT-C08E_LKN01A00 / Linkhorn Bay - Upper / South of Linkhorn Estates area of VB upstream to Laskin Rd (58). East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN harvesting condemnation # 071-010 A (effective 20200315).	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent to Alexander Estates area of VB. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa Restricted-condemn DSS shellfish direct harvesting condemnation # 071-010 A (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.133
VAT-C08E_LKN02A10 / Linkhorn Bay - Lower / Located adjacent to Linkhorn Estates area of VB upstream to Alanton at The Narrows. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS OPEN shellfish direct harvesting area # 071-010 (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2010	L	0.489
VAT-C08E_LKN02B10 / Linkhorn Bay - Coves [Admin Condem] / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS [Admin Cond] shellfish direct harvesting condemnation # 071-010 (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2010	L	0.188
VAT-C08E_LKN02B24 / Linkhorn Bay - Linkhorn Shores / Embayments adjacent to LKN02A10. East of Lynnhaven River. CBP segment LYNPH. BIBI segment LYNPHa. DSS Restricted shellfish direct harvesting condemnation # 071-010 (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2010	L	0.035
VAT-C08E_LKN03B20 / Linkhorn Bay - Upper / Southern tip of Linkhorn Bay, north of Rt. 264. CBP segment LYNPH. No DSS category.	4A	Aquatic Plants (Macrophytes)	2010	L	0.004

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LNC01A00 / Little Neck Creek - Upper / Eastern shore tributary of Linkhorn Bay, near Laskin Road and south of Linkhorn Park. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 A (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.078
VAT-C08E_LNC01B16 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 071-010 I effective 20220915	4A	Aquatic Plants (Macrophytes)	2014	L	0.035
VAT-C08E_LNC02A12 / Little Neck Creek-Lower / Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting Restricted-condemnation # 071-010 A (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2014	L	0.144
VAT-C08E_LNC02B12 / Little Neck Creek-Lower (DSS ADMIN) / Embayments adjacent to Little Neck Creek. Eastern shore tributary of Linkhorn Bay, near Bay Colony. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting ADMIN condemnation # 071-227 (effective 20200315).	4A	Aquatic Plants (Macrophytes)	2014	L	0.082
VAT-C08E_LOB01A00 / London Bridge Creek / Entirety of creek, from headwaters near Shipps Corner downstream to Rt. 58 crossing. CBP segment LYNPH. BIBI segment LYNPHa. ADMIN DSS # 070-025 A (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.059
VAT-C08E_LON01A00 / Long Creek / Northern shore tributary of Broad Bay, near Bay Island area. Portion of CBP segment LYNPH. BIBI segment LYNPHa. DSS (ADMIN) shellfish direct harvesting condemnation # 071-095 A,B,C, I (effective 20220915).	4A	Aquatic Plants (Macrophytes)	2006	L	0.316
VAT-C08E_LYN01A06 / Lynnhaven River & Bay - Mainstem / Tributary to south shore of Chesapeake Bay. Mainstem area near mouth. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation # 070-025 C1 Conditionally Approved (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.982
VAT-C08E_LYN01B10 / Lynnhaven River & Bay Coves [Admin Cond] / Embayments of LYN01A06 [DSS Admin Cond]. Tributary to south shore of Chesapeake Bay. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN shellfish harvesting condemnation # 070-025 (A-M) (effective 20180206) .	4A	Aquatic Plants (Macrophytes)	2010	L	0.557

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond / Tributary to south shore of Chesapeake Bay. Mainstem area. Segments near Mouth of Pleasure House and Brocks Cove. CBP segment LYNPH. DSS shellfish conditional approval condemn # 070-025 C1 (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2014	L	0.149
VAT-C08E_THA01A02 / Thalia Creek, Thurston Branch & Buchanan Creek / Beginning of Thalia Creek (incl. Thurston Br & Buchanan Cr) from headwaters downstream to Western Br. Lynnhaven R. CBP segment LYNPH. BIBI segment LYNPHa. DSS ADMIN condemnation # 070-025 H (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.286
VAT-C08E_WES01A06 / Western Branch - Upper, Lynnhaven River / From the end of Thurston Branch downstream to Hebden Cove. CBP segment LYNPH. BIBI segment LYNPHa. Portion of ADMIN DSS shellfish direct harvesting condemnation #070-025 H (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.151
VAT-C08E_WES01B16 / Western Branch - Middle, Lynnhaven River / From Witch Duck Bay to Witchduck Point. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish ADMIN condemnation #070-025 H (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.174
VAT-C08E_WES02A06 / Western Branch - Middle, Lynnhaven River / From Bayville Cr to Thoroughgood Cove. CBP segment LYNPH. BIBI segment LYNPHa. DSS shellfish direct harvesting condemnation #070-025 H (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.156
VAT-C08E_WES03A10 / Western Branch - Lower, Lynnhaven River / From Bayville Creek downstream to confluence with mainstem. CBP segment LYNPH. BIBI segment LYNPHa. DSS Conditionally Condemned shellfish condemnation #070-025 C1 (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2010	L	0.170
VAT-C08E_WNC01A00 / West Neck Creek (Upper) to London Bridge Creek / From Princess Anne Rd. crossing downstream to junction with London Bridge Cr. at Shipps Corner area. Segment determined to drain to C08E (Lynnhaven River). CBP segment LYNPH. BIBI segment LYNPHa.	4A	Aquatic Plants (Macrophytes)	2006	L	0.084
VAT-C08E_XBO01A00 / Canal No. 2 / Man-Made tributary to London Bridge Creek. Entire length of Canal No. 2. Portion of CBP segment LYNPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
VAT-C08E_ZZZ01A00 / Unsegmented tidal tributaries in C08E-LYNPH / Tidal tributaries to Eastern and Western Branch Lynnhaven River. Portion of CBP segment LYNPH. BIBI segment LYNPHa. Portions of DSS shellfish ADMIN condemnation # 070-025 A & H (effective 20180206).	4A	Aquatic Plants (Macrophytes)	2006	L	0.959

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_ZZZ01B10 / Unsegmented tidal tributary to Lynnhaven R. & Linkhorn Bay / Unsegmented tidal tributaries to Lynnhaven R. & Linkhorn Bay. CBP segment LYNPH. No DSS category.	4A	Aquatic Plants (Macrophytes)	2010	L	0.206

Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	7.976		

Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	7.976		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Contaminated Sediments; Industrial Point Source Discharge; Industrial Thermal Discharges; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: MOBPH-EBEN-BAY Chesapeake Bay segment MOBPHb

Cause Location: This cause encompasses the complete CBP segment MOBPHb.

Cause City/County: Hampton; Poquoson City; York County

Use(s): Aquatic Life

Causes(s)/VA Category: Estuarine Bioassessments/5A

Cause Description: Estuarine Bioassessments are not supporting in segment MOBPHb.

During the 2024 cycle, the Ches Bay segment MOBPHb was impaired of the Aquatic Life Use due to an inadequate benthic community based on the Chesapeake Bay Benthic Index of Biological Integrity.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK01A00 / Mainstem Back River / From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. DSS Condemnation 054-215 OPEN (20221115) and 054-021 (20221115) shellfish condemnations.	5A	Estuarine Bioassessments	2024	L	3.340
VAT-C07E_BAK01B08 / Mainstem Back River-South Shore at Mouth Wallace Cr. / Portion of mainstem along south shore between Windmill Pt. and Grunland Pt. CBP Segment MOBPH. Seasonal DSS shellfish Administrative Condemnation classification [DSS (Seasonal) shellfish condemnation # 054-215 M1 (effective 20221115)	5A	Estuarine Bioassessments	2024	L	0.091
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20221115.	5A	Estuarine Bioassessments	2024	L	0.034
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.086
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20221115. CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.109
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.042

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.053
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20220515).	5A	Estuarine Bioassessments	2024	L	0.049
VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.121
VAT-C07E_HAR01A24 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.077
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS shellfish OPEN and conditionally approved # 054-215 C22 (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.160
VAT-C07E_HAR02B10 / Harris River - Lower Marina Area / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS Seasonal, Open, and Conditionally Approved shellfish condemnation # 054-215 M2, C22 (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.053
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 D (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.025
VAT-C07E_INB01A04 / DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River / South shore trib. to Southwest Branch Back R. Located near mouth of SW Branch, west of unnamed DSS Inlet #1. DSS Restricted condemnation # 054-021 (effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2024	L	0.008

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LON01A06 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting Admin condemnation # 054-215 C (effective 20220515).	5A	Estuarine Bioassessments	2024	L	0.043
VAT-C07E_LON01B12 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish ADMIN harvesting condemnation # 054-215 C (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.055
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.079
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.220
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2010	L	0.669
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS Conditionally Approved and Open shellfish condemnation # 054-021 {effective 20221115}.	5A	Estuarine Bioassessments	2018	L	0.539
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth [DSS OPEN -No TMDL] / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20221115).	5A	Estuarine Bioassessments	2020	L	0.424

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_SWB03A20 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation seasonally restricted and conditionally condemned areas # 054-021 B (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.556
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of Admin DSS shellfish condemnation # 054-021 F (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.073
VAT-C07E_TBC02A10 / Tabbs Creek Mouth - NW Br Back River / Tributary to Northwest Branch Back River, mouth of creek. CBP segment MOBPH. Portion of DSS Conditionally Approved shellfish condemnation # 054-021 (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.034
VAT-C07E_WAL01A06 / Wallace Creek - Upper (Back River) / Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most upstream tip of creek. CBP segment MOBPH. DSS (PROHIBITED - ADMIN COND) shellfish condemnation # 054-215 B& D (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.036
VAT-C07E_WAT01A06 / Watts Creek - (NW Br. Back River) / Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. CBP segment MOBPH. Portion of DSS condemnation # 054-021 C21 (effective 20221115).	5A	Estuarine Bioassessments	2024	L	0.058
VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20221115).	5A	Estuarine Bioassessments	2024	L	0.097

Chesapeake Bay segment MOBPHb

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	7.874		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: MOBPH-SAV-BAY Chesapeake Bay segment MOBPH (Mobjack Bay)

Cause Location: This cause encompasses the complete CBP segment MOBPH.

Cause City/County: Gloucester County; Hampton; Mathews County; Poquoson City; York County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 15,901 acres. Aerial analysis of SAV over the three most recent years of data indicate segment has attained 69% of this goal.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E-MOB / Chesapeake Bay - CBP Segment MOBPH / This assessment unit is the mainstem Chesapeake Bay and Mobjack Bay portions of Chesapeake Bay Program segment MOBPH, located off the mouth of the York River including Mobjack Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	92.894
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH-DSS Shellfish Condemnation 042-157G, 8/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
VAP-C04E_BKA01A98 / Back Creek / Described in VDH -DSS condemnation notice 157C, 6/3/1997. Merged in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAP-C04E_BLW01A98 / Blackwater Creek / Described in VDH-DSS condemnation notice 042-131A, 6/3/1997. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
VAP-C04E_BLW02A22 / Blackwater Creek / Portion of VDH-DSS Condemnation 042-131S161, 12/15/2021 not included in 131A, 6/3/1997. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.008
VAP-C04E_BLW03A24 / Blackwater Creek / Blackwater Creek below VDH-DSS Condemnation 042-131, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.283
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River MOBPH	4A	Aquatic Plants (Macrophytes)	2010	L	0.025
VAP-C04E_DAV01A98 / Davis Creek / Described in VDH-DSS condemnation notice 042-131S22, 12/15/2021. Split in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
VAP-C04E_DAV01B24 / Davis Creek / Described in VDH-DSS condemnation notice 042-131C, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DVS01A98 / Davis Creek / Described in VDH-DSS condemnation notice 85, 9/22/1997 MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 8/15/2022 not included in 157B, 6/3/1997. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.198
VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 10/15/2022 open in 92, 1/3/1995. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.072
VAP-C04E_EST01D10 / East River, UT / Described in VDH-DSS condemnation notice 041-092C, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	2.436
VAP-C04E_EST02B20 / East River, UT / Described in VDH-DSS condemnation 041-092D, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C04E_EST04A02 / East River, UT / Described in VDH-DSS Condemnation Notice 041-212S197, 10/15/2020. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS Condemnation 041-212S198, 10/15/2020. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.026

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212S46, 9/24/2018. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
VAP-C04E_EST09A22 / East River, UT / Described in VDH-DSS Condemnation 041-092S42, 10/15/2020 MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C04E_GOS01A24 / Godsey Creek / Described in VDH-DSS Condemnation 042-131S159, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131M1, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
VAP-C04E_HAM01A24 / Hampton Creek / Described in VDH-DSS Condemnation 042-131S204, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212B, 10/15/2022. Shrank in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAP-C04E_NOR01A02 / North River / Described in VDH-DSS condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream. Merged in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.317
VAP-C04E_NOR01B08 / North River / Described in VDH-DSS condemnation notice 042-157S24, 8/15/2022. Split in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.300
VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157 to Mobjack Bay, except as otherwise segmented. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	3.053
VAP-C04E_NOR02B24 / North River / Portion of condemnation notice 042-157A, 8/15/2022 not included on the 6/3/1997 condemnation. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.064

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR03A20 / North River, UT / Described in VDH-DSS condemnation 042-157B, 8/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C04E_NOR04A22 / North River, UT / Described in VDH-DSS Condemnation 042-157F, 8/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C04E_NOR05A24 / North River / North River from rivermile 3.08 to 1.27. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	1.681
VAP-C04E_OAK01A08 / Oakland Creek / Described in VDH-DSS condemnation notice 042-131S160, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
VAP-C04E_PEP01A06 / Pepper Creek / As described in VDH-DSS condemnation notice 040-085B, 9/26/2006. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 10/15/2022 included in 5A, 6/5/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.077
VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open in 041-005, 10/15/2022. Merged in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.050
VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
VAP-C04E_PUT02A98 / Put In Creek / Described in VDH-DSS condemnation notice 5B, 6/5/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C04E_RAN01A08 / Raines Creek / Described in VDH Shellfish Condemnation 041-212I, 10/25/2005. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
VAP-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085A, 10/15/2020. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212S166, 10/15/2020. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
VAP-C04E_WON02A24 / Weston Creek / Weston Creek below VDH-DSS condemnation 042-212A, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.046
VAP-C04E_WOO01A10 / Woodas Creek / Described in VDH-DSS condemnation notice 041-092B, 10/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
VAP-C04E_WOO02A20 / Woodas Creek / Described in VDH-DSS condemnation 041-09S45, 10/15/2020. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 12/15/2021. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
VAP-C04E_ZZZ03A06 / Unsegmented estuaries in C04 / Unsegmented portion within MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.428
VAP-C05E_FOX01A08 / Fox Mill Run / Described in VDH-DSS condemnation notice 96B, 8/12/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.102
VAP-C05E_WAR01A02 / Ware River / Described in VDH-DSS condemnation notice 096A, 8/12/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.270
VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/15/2022 not included in condemnation 96A and 96B, 8/12/1996. Expanded in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.262

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C05E_WAR02A02 / Ware River / Ware River downstream of VDH-DSS condemnation 043-096. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	6.086
VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 8/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C05E_WAR02C20 / Ware River / Described in VDH-DSS condemnation 043-096S26, 8/15/2022. Shrank in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.222
VAP-C05E_WIL01A98 / Wilson Creek / Described in VDH-DSS condemnation notice 106, 8/12/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/15/2022 not included in condemnation 106, 8/12/1996. Expanded in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.213
VAP-C05E_WIL02A22 / Wilson Creek / Described in VDH-DSS Condemnation 043-096S25, 8/15/2022. Segment adjusted in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.109
VAP-C05E_XDJ01A08 / XDJ - Wilson Creek, UT / Tidal limit to mouth at Wilson Creek. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125A, 12/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/15/2020 not included in 125B, 12/31/1996. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
VAP-C06E_FRC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAP-C06E_FRC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.027

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_HEY01A98 / Heywood Creek / Described in VDH-DSS condemnation notice 044-054B, 6/15/2022. Expanded in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.120
VAP-C06E_HEY01B10 / Heywood Creek / Portion of VDH-DSS condemnation notice 101, 4/1/1997 open in condemnation 044-054, 6/15/2022. Shortened in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.046
VAP-C06E_MNC01A98 / Monday Creek / Described in VDH-DSS condemnation notice 25A, 12/31/1996. Merged in the 2024 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.093
VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 6/15/2022, excluding tributary XEE. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.127
VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093E, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of VDH-DSS condemnation notice 93A, 4/1/1997 open on 044-093, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.167
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Northwest Branch Severn Creek not otherwise segmented Segment adjusted in the 2022 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.427
VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem Southwest Branch Severn River MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.635
VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	3.258
VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
VAP-C06E_THC01A98 / Thorntons Creek / Described in VDH-DSS condemnation notice 044-054A, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.063

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_THC01B10 / Thorntons Creek / Portion of VDH-DSS condemnation notice 054, 4/1/1997 open in condemnation 044-054, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C06E_VGH01A98 / Vaughans Creek / Described in VDH-DSS condemnation notice 93B, 4/1/1997. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.121
VAP-C06E_VGH02A22 / Vaughans Creek / Portion of VDH-DSS Condemnation 044-093C, 6/15/2022 not included in 93B, 4/4/1997 MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 6/15/2022. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.033
VAP-C06E_WET01B08 / Willetts Creek / Described in VDH-DSS Condemnation 044-054C, 2/15/2006. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
VAP-C06E_WTT01A08 / Whitaker Creek / Described in VDH-DSS Condemnation 044-093D, 6/15/2020 Size reduced in the 2022 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River MOBPH	4A	Aquatic Plants (Macrophytes)	2012	L	0.003
VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	1.358
VAT-C07E_BAK01A00 / Mainstem Back River / From junction of Northwest and Southwest Branches downstream to mouth of Back River. Portion of CBP Segment MOBPH. DSS Condemnation 054-215 OPEN (20221115) and 054-021 (20221115) shellfish condemnations.	4A	Aquatic Plants (Macrophytes)	2006	L	3.340
VAT-C07E_BAK01B08 / Mainstem Back River-South Shore at Mouth Wallace Cr. / Portion of mainstem along south shore between Windmill Pt. and Grunland Pt. CBP Segment MOBPH. Seasonal DSS shellfish Administrative Condemnation classification [DSS (Seasonal) shellfish condemnation # 054-215 M1 (effective 20221115)	4A	Aquatic Plants (Macrophytes)	2006	L	0.091

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BAK02A14 / Back Creek - Inlet near Dandy Point [TMDL] / Tributary to south shore Back River (incl area in Back R), east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20221115.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C07E_BCK01A00 / Back Creek - Upper / Back Creek (S of York R mouth) tributary to the Thorofare and Chesapeake Bay. From end of tidal waters downstream to point upstream of Dandy (RM 1.6). CBP Segment MOBPH. DSS shellfish condemnation # 053-151 A (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.248
VAT-C07E_BCK02A06 / Back Creek - Middle (DSS-marina area) / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. Area within DSS shellfish condemnation # 053-151 M1, around marina area (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.112
VAT-C07E_BCK03A06 / Back Creek - Lower / Back Creek (S of York R mouth) is a tributary to The Thorofare and Chesapeake Bay. CBP Segment MOBPH. From upstream of Dandy (RM 1.6) downstream to mouth (RM 0.0). DSS (OPEN) shellfish condemnation # 053-151 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.405
VAT-C07E_BEN01A06 / Bennett Creek - Upper (DSS_06-IR) / Bennett Creek upstream portion (S of Poquoson R mouth) tributary to Poquoson River. From end of tidal waters downstream 0.1 mi. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 053-222 E (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VAT-C07E_BEN02A08 / Bennet Creek - Lower Middle / South shore tributary to Poquoson R, in area of Griffins Beach. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. DSS (OPEN, Conditionally Approved) Shellfish condemnation # 053-222 C12 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.181
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. Open DSS condemnation area 053-222 effective 20220515	4A	Aquatic Plants (Macrophytes)	2006	L	0.366
VAT-C07E_BRK01A06 / Brick Kiln Creek / From 0.3 mi. downstream of Big Bethel Res. dam (approx. RM 5.0, end of tidal waters north of Ebenezer Church) downstream to confluence with Northwest Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 A (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.086

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BTC01A08 / Bay Tree Creek / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS Shellfish condemnation # 053-221 B (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
VAT-C07E_BTC02A18 / Bay Tree Creek- Mouth / Trib to Bay, S of The Thorofare & N of mouth of Poquoson R. @ Bay Tree Point. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-221 (effective 20200615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.050
VAT-C07E_BTH01A08 / Boathouse Creek / Boathouse Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS condemnation # 053-221 (effective 20200615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C07E_BTH01B22 / Chisman Creek-Lower North Shore (Marina) / Downstream section of Boathouse Creek, from Anchor Drive to mouth. CBP Segment MOBPH. DSS Conditionally Approved S141 condemnation # 053-221 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAT-C07E_CAB01A08 / Cabin Creek / Cabin Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS shellfish condemnation # 053-221 (effective 20200615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.082
VAT-C07E_CCR01A06 / Cedar & Topping Creeks / Located near City of Poquoson. Cedar & Topping Creeks are tribs to the north shore of the Northwest Branch of Back River. Portion of DSS condemnation # 054-021 A (less NW Br Back R./Brick Kiln Cr. portion) effective 20221115. CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.109
VAT-C07E_CHS01A06 / Chisman Creek-Upper / From end of tidal waters (upper 1/3 of creek), downstream to area of Evergreen Shores (approx. RM 0.9). CBP Segment MOBPH. DSS condemnation # 053-221A (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.224
VAT-C07E_CHS02A06 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Spivey Road to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.386
VAT-C07E_CHS02B22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	4A	Aquatic Plants (Macrophytes)	2006	L	0.152

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_CHS02B24 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Seaford Shores to north side of water near Spivey Rd. CBP Segment MOBPH. DSS Conditionally Approved condemnation # 053-221 C14 effective 20220515.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
VAT-C07E_CHS02C22 / Chisman Creek-Lower North Shore (Marina) / Lower 2/3 of creek, downstream from area of Goose Creek to Seaford Shores area. CBP Segment MOBPH. DSS Restricted condemnation # 053-221 F (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.075
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. Admin DSS condemnation # 053-221 E (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
VAT-C07E_EAS01A06 / Easton Cove / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. DSS Conditionally approved shellfish condemnation # 053-222 C12 (effective 20220515). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.057
VAT-C07E_FLY01A06 / Floyds Bay- Upper / Upper Portion of Floyds Bay. Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20220515). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
VAT-C07E_FLY02A16 / Floyds Bay- mouth / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven Anchorage. Portion of DSS shellfish condemnation # 053-222 D (effective 20220515). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C07E_FRT02A08 / Front Cove - Lower / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish Seasonal condemnation # 054-021 C (effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
VAT-C07E_GLD01A10 / Grunland Creek - Mouth / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.053

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_GLD02A18 / Grunland Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grunland Point. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 G (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.052
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 C14 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.116
VAT-C07E_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.121
VAT-C07E_HAR01A24 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.077
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS shellfish OPEN and conditionally approved # 054-215 C22 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.160
VAT-C07E_HAR02B10 / Harris River - Lower Marina Area / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. CBP Segment MOBPH. DSS Seasonal, Open, and Conditionally Approved shellfish condemnation # 054-215 M2, C22 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish Conditionally Approved -condemnation # 053-137 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.047
VAT-C07E_IN101A08 / DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch / South shore trib. to mainstem Back R. Located east of mouth of SW Branch. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-021 D (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
VAT-C07E_INB01A04 / DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River / South shore trib. to Southwest Branch Back R. Located near mouth of SW Branch, west of unnamed DSS Inlet #1. DSS Restricted condemnation # 054-021 (effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.008

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_LMC01A04 / Lambs Creek - Poquoson River / South shore tributary to Poquoson R, west of Poquoson Shores. On border of Poquoson/York boundary. Between Moores Cr. and Roberts Cr to east. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.116
VAT-C07E_LMC02A16 / Lambs Creek - Mouth / Mouth of Lambs Creek located on South shore tributary to Poquoson R, west of Poquoson Shores. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 C (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.047
VAT-C07E_LON01A06 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting Admin condemnation # 054-215 C (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.043
VAT-C07E_LON01B12 / Long & Grunland Creeks - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview area. CBP Segment MOBPH. DSS shellfish ADMIN harvesting condemnation # 054-215 C (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.055
VAT-C07E_LYO01A06 / Lyons Creek - Upper / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 B (effective 20200615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - Middle and Lower / South shore tributary to Poquoson R, in area of York Haven Anchorage. East of Roberts Cr. and north of White House Cove. Lower portion of Lyons Cr. CBP Segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C13 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.050
VAT-C07E_NEW01A02 / Newmarket Creek - Upper / South of Blue Bird Gap Farm area. From end of tidal waters at Terrant ES (approx. RM 5.1) downstream to I-64 crossing (RM 3.68). CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAT-C07E_NEW02A02 / Newmarket Creek - Lower / South of Blue Bird Gap Farm area. From the I-64 crossing (RM 3.68) downstream to confluence with SW Br. Back R. CBP Segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.079

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_NWB01A06 / Northwest Br. Back River - Upper [TMDL-CD] / CBP Segment MOBPH. Headwaters to confluence of Cedar Creek between Cedar Point and Marsh Point. Portion of DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.220
VAT-C07E_NWB01B08 / Northwest Br. Back River - Upper [TMDL not CD] / Northwest Br. Back River upper portion from confluence of Cedar Creek downstream to confluence Tabbs Cr. Portion DSS shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20221115). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.669
VAT-C07E_NWB02A06 / Northwest Br. Back River - Lower [DSS OPEN] / From area of confluence of Topping Creek (approx. RM 1.5) downstream to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS Conditionally Approved and Open shellfish condemnation # 054-021 {effective 20221115}.	4A	Aquatic Plants (Macrophytes)	2006	L	0.539
VAT-C07E_POQ01A06 / Poquoson River - Upper [TMDL-CD] / From Rt 17 crossing @ reservoir dam (RM 5.7) downstream to past confluence of Quarter March Cr (RM 2.7) @ Calthrop Neck. Including Moores & Quarter March Creeks. CBP Segment MOBPH. DSS shellfish condemn # 053-137 A (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.356
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN and Conditionally Approved) shellfish harvesting condemnation # 053-137 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.995
VAT-C07E_POQ03A08 / Poquoson River - Mouth / From Hunts Point a wedge NW across Poquoson River mouth to northern shore. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-221 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	1.492
VAT-C07E_PTC01A04 / Patricks Creek - Poquoson River / North shore trib to Poquoson River south of Dare area. CBP Segment MOBPH. DSS Shellfish condemnation # 053-137 B (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119
VAT-C07E_ROB01A04 / Roberts Creek - Upper / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS ADMIN Shellfish condemnation # 053-222 A (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.104

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_ROB02A08 / Roberts Creek - Lower [DSS-OPEN] / South of mouth of Poquoson River between Hunts Pt. and Griffins Beach areas. CBP Segment MOBPH. DSS OPEN Shellfish condemnation # 053-222 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
VAT-C07E_SWB01A08 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth [DSS OPEN -No TMDL] / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.424
VAT-C07E_SWB03A20 / SW Br Back River - Incl Tides Mill Cr [TMDL area] / Headwaters of Southwest Branch (incl tidal Tides Mill Cr) downstream to Langley View. CBP segment MOBPH. Portion of DSS shellfish condemnation seasonally restricted and conditionally condemned areas # 054-021 B (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.556
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of Admin DSS shellfish condemnation # 054-021 F (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
VAT-C07E_TBC02A10 / Tabbs Creek Mouth - NW Br Back River / Tributary to Northwest Branch Back River, mouth of creek. CBP segment MOBPH. Portion of DSS Conditionally Approved shellfish condemnation # 054-021 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAT-C07E_THR01A10 / Sandbox Area NW Thorofare / Sandbox Area NW Thorofare Inlet near Goodwin Neck. CBP Segment MOBPH. DSS OPEN condemnation 053-051 (effective 20220515).	4A	Aquatic Plants (Macrophytes)	2006	L	0.012
VAT-C07E_WAL01A06 / Wallace Creek - Upper (Back River) / Tributary to south shore Back River, east of Harris R & adjacent to Inlet #2. Most upstream tip of creek. CBP segment MOBPH. DSS (PROHIBITED - ADMIN COND) shellfish condemnation # 054-215 B& D (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
VAT-C07E_WAT01A06 / Watts Creek - (NW Br. Back River) / Located southwest of Poquoson. Watts Cr. trib to Northwest Br. of Back R. CBP segment MOBPH. Portion of DSS condemnation # 054-021 C21 (effective 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.058

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_WHH01A06 / White House Cove - Bennet Cr. Area / Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. DSS Admin Shellfish Condemnation # 053-222 C (effective 20220515)	4A	Aquatic Plants (Macrophytes)	2006	L	0.174
VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. DSS Shellfish 053-222 open condemnation (effective 20220515)	4A	Aquatic Plants (Macrophytes)	2006	L	1.040
VAT-C07E_ZZZ01B12 / Unsegmented estuaries in Back River - DSS / Non segmented areas of C07E. CBP Segment MOBPH. DSS Condemnation # 054-021 B (effective date 20221115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.097

Chesapeake Bay segment MOBPH (Mobjack Bay)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	132.77		

Chesapeake Bay segment MOBPH (Mobjack Bay)

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	132.77		

Sources: Agriculture; Atmospheric Deposition; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: PIAMH-SAV-BAY Piankatank Mesohaline Estuary

Cause Location: The Piankatank Mesohaline estuary.

Cause City/County: Gloucester County; Mathews County; Middlesex County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: During the 2006 cycle, the Chesapeake Bay Water Quality Standards were adopted. The Piankatank Mesohaline segment (PIAMH) fails the Submerged Aquatic Vegetation acreage requirements. There is insufficient data to assess the Water Clarity Acreage criteria.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, the segment is considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.823
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/15/2022. Merged in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.092
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH-DSS condemnation 025-076C, 12/15/2022 PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAP-C03E_FER01A98 / Ferry Creek / Described in VDH-DSS condemnation notice 035-076B, 2/15/2020. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C03E_FER01B20 / Ferry Creek / Non-Admin Portion of VDH-DSS Shellfish Condemnation 035-076B, 12/15/2022 PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.115
VAP-C03E_FRE01A02 / Frenchs Creek / As described in VDH-DSS condemnation notice 035-076D, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208A, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.047
VAP-C03E_HEA01B20 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208S67, 12/15/2020. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.024

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_HRP01A98 / Harper Creek / Described in VDH-DSS condemnation notice 076B, 6/10/1997. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.062
VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084B, 2/15/2020. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
VAP-C03E_JCK02B16 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084A, 12/15/2022 not included in 084A, 11/1/1996. Merged in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAP-C03E_JCK02C10 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084M1, 2/15/2022 not included in 84B 11/1/1996, or 033-084B 2/15/2020. Merged in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.197
VAP-C03E_JCK03C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084B, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C03E_MRE01A02 / Moore Creek / Described in VDH-DSS condemnation notice 034-208C, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
VAP-C03E_MRE01B22 / Moore Creek / As described in the condemnation notice 034-208S69, 12/15/2020. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.035
VAP-C03E_PNK01A02 / Piankatank River / Downstream limit of VDH-DSS condemnation SFC 035-076A, 6/10/1997 to Deep Point Boat Landing. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.558
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	1.280
VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from end of 035-076S65, 2/15/2020 downstream to PNK03A00, excluding the Berkley Island area. Expanded in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	3.595

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.785
VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank from Deep Point Landing downstream to the boundary of 035-076A, 12/15/2022. Shrank in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.407
VAP-C03E_PNK03A00 / Piankatank River / One-half mile radius around monitoring station 7-PNK005.36 on the Piankatank River between Pond Point and Iron Point. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	1.167
VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	3.528
VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.040
VAP-C03E_PNK04C06 / Piankatank River - Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/15/2022. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	4.949
VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S71, 12/28/2018. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS condemnation 034-126S72, 12/28/2018. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.003
VAP-C03E_WLT01A98 / Wilton Creek / Described in VDH-DSS condemnation 126, 3/2/1993. Merged in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.135
VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.146

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_MLF04A06 / Milford Haven / Northern Hills Bay Split in the 2024 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	1.855
VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 3/15/2019. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.012

Piankatank Mesohaline Estuary

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	20.178		

Piankatank Mesohaline Estuary

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	20.178		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Natural Conditions - Water Quality Standards Use Attainability Analyses Needed; Sediment Resuspension (Clean Sediment); Source Unknown; Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: POCMH-SAV-BAY Chesapeake Bay segment POCMH (Pocomoke Sound)

Cause Location: This cause encompasses the complete CBP segment POCMH.

Cause City/County: Accomack County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: Submerged aquatic vegetation goal is 4,066 acres and only 56% of this goal was attained in the most recent 3 years. The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E-POC / Chesapeake Bay - VA portion of CBP segment POCMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment POCMH, located in the mesohaline area of Pocomoke sound. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	40.232
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Open)	4A	Aquatic Plants (Macrophytes)	2006	L	2.822
VACB-C10E_POC01C20 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	4A	Aquatic Plants (Macrophytes)	2006	L	4.152
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.115
VAT-C10E_BAG02A10 / Bagwell Creek - Lower / Northwest of Town of Justisville. Lower DSS OPEN portion of Cr. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
VAT-C10E_BSL01A24 / Eastern Segment of Beasley Bay / Eastern Segment of Beasley Bay. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.694
VAT-C10E_DIX01A08 / Dix Cove / Northwest of Town of Parksley. Adjacent to Bagwell & Hunting Creeks. Within CBP segment POCMH. Portion of DSS (OPEN) shellfish direct harvesting area # 077-138 (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAT-C10E_DOE01A22 / Doe Cr-Lower / Tributary of Chesapeake Bay off of Web Island in C10E-POCMH. DSS (OPEN) shellfish direct harvesting condemnation area # 077-138 (20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.218

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_DOE01B22 / Doe Cr-Upper / Tributary of Chesapeake Bay off of Web Island in C10E-POCMH. DSS (Open) shellfish direct harvesting condemnation area # 077-138 (20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.148
VAT-C10E_GLF01A06 / Guilford Creek - Upper [TMDL] / Northeast of Town of Guilford. Upper portion of creek, from end of tidal waters downstream to end of DSS condemnation portion. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 A (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.152
VAT-C10E_GLF02A06 / Guilford Creek - Lower / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS shellfish Open condemnation direct harvesting condemnation # 076-176 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.106
VAT-C10E_GLF03A08 / Guilford Creek - Lower [No DSS] / Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.460
VAT-C10E_GSH01A06 / Guard Shore Beach / In Old Cove (Beasley Bay). Located at Bailey Ridge, west of Bloxom. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
VAT-C10E_HUN01A00 / Hunting Creek - Upper / W of Hopkins. Upper portion, from end of tidal waters downstream to end of DSS condemnation (downstream of Town of Hopkins). CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 B (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.194
VAT-C10E_HUN02A06 / Hunting Creek - Lower / West of Town of Hopkins. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20220615).	4A	Aquatic Plants (Macrophytes)	2006	L	0.648
VAT-C10E_MES01A06 / Messongo Creek - Upper / Located southeast of Marsh Market & start of Rec TMDL (213) . Running parallel with Rt 692 upstream to the end of tidal waters. POCMH. Upstream portion of DSS shellfish condemnation # 076-167 A (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-06] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.214

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS Open condemnation # 076-167 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.283
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. DSS Open shellfish direct harvesting condemnation 076-167 effective 20220815	4A	Aquatic Plants (Macrophytes)	2006	L	0.858
VAT-C10E_MUD01A04 / Muddy Creek - Upper / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.257
VAT-C10E_MUD01B24 / Muddy Creek - Upper (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. From end of tidal waters downstream to Poulson Pt. Portion of CBP segment POCMH. DSS shellfish condemnation # 076-176 B (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
VAT-C10E_MUD02A06 / Muddy Creek - Lower / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Open condemnation # 076-176 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C10E_MUD03A08 / Muddy Creek - Lower [No DSS] / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS Open Shellfishing Condemnation 076-176 (effective 20220815)	4A	Aquatic Plants (Macrophytes)	2006	L	0.052
VAT-C10E_MUD04A24 / Muddy Creek - Lower (DSS Restricted) / Located southeast of Byrds Marsh and northeast of Town of Bloxom. Lower portion of creek, Pettigrew Bend to end of DSS Open condemnation. Portion of CBP segment POCMH. DSS shellfish Restricted condemnation # 076-176 C (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
VAT-C10E_STR01A08 / Starling Creek / Located on Saxis Island, southwest of Pocomoke Sound. Embayment at town of Saxis. From end of tidal waters downstream to end of DSS condemnation. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 075-118 M1 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.091

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_YOU01A06 / Young Creek / Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 C (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.072
VAT-C10E_YOU02A20 / Lower - Young Creek / Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS Open-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20220815).	4A	Aquatic Plants (Macrophytes)	2006	L	0.172
VAT-C10E_ZZZ02A06 / Unsegmented estuaries in C10E-POCMH [No DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation area identified.	4A	Aquatic Plants (Macrophytes)	2006	L	2.176
VAT-C10E_ZZZ03A22 / Unsegmented estuaries in C10E-POCMH [Restricted DSS] / Evaluated non-segmented portions of C10E not contained within VACB-R01E-CB7S. Portion of CBP segment POCMH. DSS shellfish Open direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.113

Chesapeake Bay segment POCMH (Pocomoke Sound)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	54.528		

Chesapeake Bay segment POCMH (Pocomoke Sound)

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	54.528		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: POCOH-DO-BAY Pocomoke River System CBP segment POCOH (Pocomoke River)

Cause Location: This cause encompasses the entirety of the Pocomoke River System CBP segment POCOH. Virginia portion of CBP segment POCOH.

Cause City/County: Accomack County

Use(s): Aquatic Life; Open-Water Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4C

Cause Description: The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer.

The Open Water - Summer Dissolved Oxygen impairment for all the Pocomoke oligohaline segments (POCOH) (to include all tribs/creeks) will be assessed as Category 4C based on the conclusions from the Natural Conditions Assessment for the Pocomoke Sound completed in October 2010 (EPA approval email 11/3/2010). This Assessment Report concluded that the Pocomoke oligohaline segment's low dissolved oxygen conditions during the summer months are strongly influenced by natural conditions and the downstream estuarine condition.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_BLB01A06 / Bulbeggar Creek / Located southeast of Pitts Neck area. From estuarine/riverine transition (end of tidal waters) downstream to mouth (confluence with Pocomoke Sound). Portion of CBP segment POCOH. No DSS condemnation or notice. DSS restricted condemnation #075-033 A (20220815)	4C	Dissolved Oxygen	NA	NA	0.134
VAT-C09E_POC01A06 / Pocomoke River / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke Sound) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.240
VAT-C09E_POC02A08 / Pocomoke Sound [C09 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.726
VAT-C09E_PTT01A06 / Pitts Creek / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line downstream to mouth (confluence with Pocomoke River) within VA. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.127

(continued)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C09E_PTT01B10 / Pitts Creek - Upper [Admin Cond] / Located northeast of Pitts Neck area, along VA/MD border. From VA/MD state line upstream to headwaters within VA at Dunns Swamp Road. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.069
VAT-C09E_ZZZ01A06 / Unsegmented tidal tributaries in C09E-POCOH / Evaluated non segmented portions of C09E. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.006
VAT-C10E_HLD01A06 / Holdens Creek - Upper / Located southeast of Joeys Neck area. From confluence Sandy Bottom Br downstream to 0.5 mi of station @ 7-HLD002.67. Portion of CBP segment POCOH. Portion of DSS condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.034
VAT-C10E_HLD02A06 / Holdens Creek - Lower / Located southeast of Joeys Neck area. From 0.5 mi downstream of station @ 7-HLD002.67 downstream to mouth. Portion of CBP segment POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	0.050
VAT-C10E_POC01A08 / Pocomoke Sound - Lower [C10 portion] / Pocomoke Sound downstream of the Pocomoke River (VA portion). Area adjacent to Holdens Creek. Portion of CBP segment POCOH. Portion of DSS shellfish direct harvesting condemnation # 075-033 A (effective 20220815).	4C	Dissolved Oxygen	NA	NA	1.113

Pocomoke River System CBP segment POCOH (Pocomoke River)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	2.499		

Pocomoke River System CBP segment POCOH (Pocomoke River)

Open-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	2.499		

Sources: Natural Sources

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: R01E-02-SF Chesapeake Bay - Southern portion of CBP Segment CB7PH

Cause Location: This cause group code encompasses assessment unit VACB-R01E_CB7S01A24.

Cause City/County: Accomack County; Chesapeake Bay - County Not Applicable

Use(s): Shellfishing

Causes(s)/VA Category: Fecal Coliform/5B

Cause Description: Chesapeake Bay - VDH DSS condemnation 080-169 (Restricted) effective 3/15/2022 (https://www.vdh.virginia.gov/environmental-health/environmental-health-services/shellfish-safety/shellfish-harvesting-area-map/).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E_CB7S01A24 / Chesapeake Bay - Southern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #080-169 (Restricted)	5B	Fecal Coliform	2024	L	0.054

Chesapeake Bay - Southern portion of CBP Segment CB7PH

Shellfishing	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	0.054		

Sources: Source Unknown

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: TANMH-DO-BAY Chesapeake Bay segment TANMH (Tangier Sound)

Cause Location: This cause encompasses the complete CBP segment TANMH.

Cause City/County: Accomack County

Use(s): Aquatic Life; Open-Water Aquatic Life

Causes(s)/VA Category: Dissolved Oxygen/4A

Cause Description: The 30-day dissolved oxygen criteria for open water use is not meeting for the 2024 assessment.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	4A	Dissolved Oxygen	2006	L	118.937
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	4A	Dissolved Oxygen	2006	L	1.366
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	4A	Dissolved Oxygen	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VACB-C10E_TNN01A06 (2016).	4A	Dissolved Oxygen	2006	L	0.243
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015.	4A	Dissolved Oxygen	2006	L	2.169

Chesapeake Bay segment TANMH (Tangier Sound)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	122.754		

Chesapeake Bay segment TANMH (Tangier Sound)

Open-Water Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	122.754		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: TANMH-SAV-BAY Chesapeake Bay segment TANMH (Tangier Sound)

Cause Location: This cause encompasses the complete CBP segment TANMH.

Cause City/County: Accomack County

Use(s): Aquatic Life; Shallow-Water Submerged Aquatic Vegetation

Causes(s)/VA Category: Aquatic Plants (Macrophytes)/4A

Cause Description: The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 13,579 acres but only 33% of this goal was achieved in the most recent 3 years.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E-TAN / Chesapeake Bay - VA portion of CBP Segment TANMH / This assessment unit is the mainstem Chesapeake Bay portion of Chesapeake Bay Program segment TANMH, located in the northern part of the Virginia mainstem Bay around Tangier Sound. HUC: 02080101	4A	Aquatic Plants (Macrophytes)	2006	L	118.937
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section A effective 11/6/2013	4A	Aquatic Plants (Macrophytes)	2006	L	1.366
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	4A	Aquatic Plants (Macrophytes)	2006	L	0.039
VACB-C10E_TNN01C16 / Tangier North Channel and Adjacent Waters, Open waters / Waters surrounding Tangier Island. Portion of CBP segment TANMH. Open waters of the DSS cond # 078-86 eff 11/06/2013. Split from VACB-C10E_TNN01A06 (2016).	4A	Aquatic Plants (Macrophytes)	2006	L	0.243
VACB-C10E_TNN01D18 / Tyler Creek, Shanks Creek, Tangier Sound / Tyler Creek, Shanks Creek, Tangier Sound - Portion of CBP segment TANMH. Restricted waters of the DSS cond # 074-226 eff 2/26/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	2.169

Chesapeake Bay segment TANMH (Tangier Sound)

Aquatic Life	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	122.754		

Chesapeake Bay segment TANMH (Tangier Sound)

Shallow-Water Submerged Aquatic Vegetation	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	122.754		

Sources: Agriculture; Atmospheric Deposition - Nitrogen; Clean Sediments; Industrial Point Source Discharge; Internal Nutrient Recycling; Loss of Riparian Habitat; Municipal Point Source Discharges; Non-Point Source; Sediment Resuspension (Clean Sediment); Sources Outside State Jurisdiction or Borders; Wet Weather Discharges (Non-Point Source); Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)