Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* AO23-01-BAC** **Atlantic Ocean Beaches - Croatan**

Cause Location: This cause encompasses the Croatan Beach along shore of City of Virginia Beach. VDH bathing beach areas.

City / County: Virginia Beach City

Use(s): Recreation

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

The Recreation Use is impaired for Croatan Beach based on Enterococcus bacteria data from the VDH-Beach station VA723069 (1 viol. / 26 Geo-mean obs.) 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_ATL02A16 / Atlantic Ocean Beaches - Croatan / Croatan Beach along shore of City of Virginia Beach. VDH bathing beach areas.	5A	Enterococcus	2016	L	0.410

Atlantic Ocean Beaches - Croatan **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.410**		

Sources:

Wet Weather Discharges
(Non-Point Source)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089A, 5/1/2018

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 is currently larger than the 1998 condemnation, 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. As the segment first expanded in the 2004 cycle, the TMDL is due in 2016 (see C01E-01-SF2).

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.

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 condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream 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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-01-SF2** **Great Wicomico River / Blackwells Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Numbers 013-089A & 013-089G, 5/1/2018 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089A & Notice 013-089G, 5/1/2018

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 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 2004 cycle, the TMDL for this expanded portion is due in 2016.

During the 2010 cycle, the condemnation was reduced and split into sections A & I. The condemnation shrank further in the 2012 cycle and an additional 0.3305 square miles was reopened for harvest. Condemnation I was opened and the impaired area is now limited to Blackwells Creek and a 0.0695 square mile segment on the Great Wicomico River. The extent adjusted slightly in the 2020 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_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 5/1/2018 not included in 089A, 5/28/1997.	4A	Fecal Coliform	2004	L	0.131

Segment adjusted slightly in the 2020 cycle.

CB5MH

Great Wicomico River / Blackwells Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.131**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 5/1/2018

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. As the segment first expanded in the 2002 cycle, the TMDL for the expansion will be due in 2014 (see C01E-02-SF2).

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 the condemnation notice 89B, 5/28/1997.	4A	Fecal Coliform	1998	L	0.064

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/1/2018 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089F, 5/1/2018

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 TMDL for the expansion is due in 2014.

The impairment is considered nested 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.

Segment expanded again in the 2016 cycle.

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, 5/1/2018 not included in 89B, 5/28/1997.	4A	Fecal Coliform	2002	L	0.113

CB5MH

Balls Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.113**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 5/1/2018

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 is currently larger than the 1998 condemnation, the bacteria TMDL only addressed the original upstream portion, which is now considered Category 4A. The lower portion is addressed in fact sheet C01E-03-SF2.

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 the condemnation notice 89C, 5/28/1997	4A	Fecal Coliform	1998	L	0.083

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-03-SF2** **Tipers Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 013-089E, 5/1/2018 not included in the 5/28/1997 condemnation.

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-089E, 5/1/2018

The upstream portion of Tipers Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 89C, 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 TMDL will be due in 2014.

The impairment is considered 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.

Segment expanded in the 2016 cycle. Reduced slightly in the 2018 cycle.

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 condemnation notice 013-089E, 5/1/2018 not included in 89C, 5/28/1997	4A	Fecal Coliform	2002	L	0.013

Size decreased in the 2020 cycle.

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 016-057C, 12/28/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 016-057C, 12/28/2018

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 expanded slightly in the 2020 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 condemnation 016-057C, 12/28/2018.	4A	Fecal Coliform	2018	L	0.041

Expanded in the 2020 cycle.

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 089E, 4/3/2002

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 013-220B, 5/1/2018

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.

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 the condemnation notice 089D, 4/3/2002	4A	Fecal Coliform	1998	L	0.041

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 5/1/2018

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 will be 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	4A	Fecal Coliform	1998	L	0.069

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/1/2018 not included in condemnation 89E, 5/28/1997.

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 013-220A, 5/1/2018

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. The TMDL is due in 2018 since it first expanded in the 2006 cycle.

The impairment is considered nested within the adjacent 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.

Size reduced in the 2016 cycle.

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, 5/1/2018 not included in 89E, 5/28/1997	4A	Fecal Coliform	2006	L	0.008

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-07-SF** **Horn Harbor**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-089D, 5/1/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 013-089D, 5/1/2018

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.

The condemnation grew slightly in the 2016 cycle.

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 the condemnation notice 013-089D, 5/1/2016.	4A	Fecal Coliform	2002	L	0.071

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northumberland Co.

Use(s): Recreation

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

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. 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.

Note: monitoring at downstream station 7-COC000.27 is acceptable.

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 8/28/2018.	4A	Enterococcus	2008	L	0.272
CB5MH					
VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 8/28/2018	4A	Enterococcus	2008	L	0.198
Segment split in the 2020 cycle.					
CB5MH					

Cockrell Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.470**		

Sources:

Industrial Point Source Discharge

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 015-022E, 5/3/2018

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 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_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997.	4A	Fecal Coliform	1998	L	0.015

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/3/2018 not included in 022D or 022C, 2/27/1997

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 015-022E, 5/3/2018

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.

The impairment expanded further in the 2016 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/3/2018.	4A	Fecal Coliform	2010	L	0.014

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-10-EBEN** **Cockrell Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 012-002B, 8/28/2018

City / County: Northumberland Co.

Use(s): Aquatic Life

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

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.

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, 8/28/2018.	5A	Estuarine Bioassessments	2020	L	0.612

CB5MH

Cockrell Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**0.612**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Recreation

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

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.

During the 2012 cycle, additional sampling at 7-MIL005.19 confirmed the impairment (5/12).

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.	4A	Enterococcus	2010	L	0.241

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/4/2018

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.	4A	Fecal Coliform	1998	L	0.241

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/4/2018 not included in 123, 6/2/1997.

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 014-123A, 5/4/2018

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 Condemnation 014-123A, 5/4/2018 not included in the notice 123, 6/2/1997.	4A	Fecal Coliform	2004	L	0.027

Size reduced in the 2020 cycle.

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-13-SF** **Cloverdale Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 124A, 6/2/1997

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 014-124A, 5/4/2018

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 condemnation was rescinded during the 2014 cycle and the creek was delisted (Category 2C.)

It was relisted in the 2020 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 the condemnation notice 014-124A, 6/2/1997.	4A	Fecal Coliform	2020	L	0.021

CB5MH

Cloverdale Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.021**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/28/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 011-122A, 8/28/2018

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.

The condemnation shrank in the 2018 cycle. It expanded again in the 2020 cycle.

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, 8/28/2018.	4A	Fecal Coliform	2010	L	0.118

Size expanded in the 2020 cycle.

Gaskin Pond **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.118**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS condemnations 015-022A, -B, -C, -D, and -G, 5/3/2018

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. Although the condemnation has shrunk and split over several assessment cycles, the bacterial TMDL was completed for the entire 1998 impairment.

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

The condemnations shrank again in the 2016 cycle. Expanded slightly in the 2018 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/3/2018.	4A	Fecal Coliform	1998	L	0.091
CB5MH					
VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/3/2018	4A	Fecal Coliform	2014	L	0.009
CB5MH					
VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/3/2018.	4A	Fecal Coliform	1998	L	0.087
Expanded slightly in the 2020 cycle.					
CB5MH					
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018.	4A	Fecal Coliform	1998	L	0.018
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/3/2018.	4A	Fecal Coliform	1998	L	0.029
CB5MH					

Dividing Creek, Lawrence Creek, Natty Point Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.233**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Accomack Co. Chesapeake Bay - County Wide Gloucester Co. Lancaster Co. Mathews Co.
Middlesex Co. Norfolk City Northampton Co. Northumberland Co. Poquoson City.
Virginia Beach City York Co.

Use(s): Fish Consumption

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

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 2 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-GWR007.97 in the Great Wicomico River
7-COC000.40 in Cockrell Creek
7-IND001.80 in Indian Creek
7-DYM000.00 in Dymer Creek
7-PNK019.85 in the Piankatank River
7-MLF002.45 in Milford Haven
7-WIN000.88 in Winter Harbor
7-EST002.65 in the East River
7-NOR003.65 in the North River
7-WAR005.77 in the Ware River

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	5A	PCBs in Fish Tissue	2006	L	2.480
VACB-C10E_POC01C20 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	5A	PCBs in Fish Tissue	2006	L	3.347
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / 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
VACB-C10E_TNN01B06 / Tangier North Channel and Adjacent Waters, DSS Area C. / 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	0.196
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. Split from VACB-C10E-TAN.	5A	PCBs in Fish Tissue	2006	L	2.169
VACB-C10E-POC / Chesapeake Bay - VA portion of CBP segment	5A	PCBs in Fish Tissue	2006	L	41.048

Chesapeake Bay/Atlantic/Small Coastal Basins

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.					
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	118.980
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #075 (Restricted)	5A	PCBs in Fish Tissue	2006	L	0.023
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / 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 BSS Condemnation #163 / Va Dept of Health Shellfish zone #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 BSS #068-017, Section C. / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. HUC: 02080101.[effective 2005-3-08]	5A	PCBs in Fish Tissue	2006	L	0.540
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek BSS #068-017, Areas A & B / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. HUC: 02080101.[effective 2005-3-08]	5A	PCBs in Fish Tissue	2006	L	1.355
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. HUC: 02080101.	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. HUC: 02080101.	5A	PCBs in Fish Tissue	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. HUC: 02080101.	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 northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCBs in Fish Tissue	2006	L	168.603
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 southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	5A	PCBs in Fish Tissue	2006	L	372.814
VACB-R01E-CB8 / Chesapeake Bay - CBP Segment CB8PH / This assessment unit is the mainstem portion of Chesapeake Bay	5A	PCBs in Fish Tissue	2006	L	141.796

Chesapeake Bay/Atlantic/Small Coastal Basins

Program segment CB8PH, located in the Virginia Chesapeake Bay between the mouths of the James River and mouth of Chesapeake Bay. HUC: 02080101.					
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. HUC: 02080101.	5A	PCBs in Fish Tissue	2006	L	92.951
	5A	PCBs in Fish Tissue	2006	L	92.951
	5A	PCBs in Fish Tissue	2006	L	92.951
	5A	PCBs in Fish Tissue	2006	L	92.951
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.058
Expanded in the 2020 cycle.					
CB5MH					
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.005
Expanded in the 2020 cycle.					
CB5MH					
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.013
CB5MH					
VAP-C01E_ANT02A08 / Antipoison Creek / Downstream of condemnation notice 017-188, 12/25/2018 not otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.162
Split in the 2020 cycle.					
CB5MH					
VAP-C01E_ANT02B12 / Antipoison Creek / Described in VDH-DSS condemnation 017-188M1, 12/16/2014	5A	PCBs in Fish Tissue	2006	L	0.007
CB5MH					
VAP-C01E_ANT02C20 / Antipoison Creek / Described in VDH-DSS condemnation 017-188S116, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.132
CB5MH					
VAP-C01E_ANT02D20 / Antipoison Creek, UT / Described in VDH-DSS Condemnation 014-188S117, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.049
CB5MH					
VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS condemnation 016-024D, 1/28/2005	5A	PCBs in Fish Tissue	2006	L	0.056
CB5MH					
VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220H, 4/1/2014.	5A	PCBs in Fish Tissue	2006	L	0.052
CB5MH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_BAL01A02 / Ball Creek / Portion of VDH condemnation notice 014-124B, 6/2/1997 open in 014-124, 5/4/2018 Split in the 2020 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C01E_BAL01B20 / Ball Creek / Described in VDH condemnation notice 014-124B, 5/4/2018. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.039
VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS SFC 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 the condemnation notice, 013-08S80, 5/1/2018. Size increased in the 2020 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.066
VAP-C01E_BAR02A08 / Barrett Creek / Described in VDH-DSS SFC 013-089S81, 5/1/2018 Size increased in the 2020 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.018
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_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.064
VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/1/2018 not included in 89B, 5/28/1997. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.113
VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/1/2018. 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 / Described in VDH-DSS condemnation 016-057C, 12/13/2006. Split in the 2020 cycle. CB5MH	5A	PCBs in Fish Tissue	2006	L	0.225
VAP-C01E_BRS01B20 / Barnes Creek / Portion of VDH-DSS condemnation 12/13/2006 within 016-057S111, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.006

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.110
CB5MH VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	5A	PCBs in Fish Tissue	2006	L	0.018
CB5MH VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015	5A	PCBs in Fish Tissue	2006	L	0.023
CB5MH VAP-C01E_CLE01A98 / Cloverdale Creek / Described in the condemnation notice 014-124A, 6/2/1997.	5A	PCBs in Fish Tissue	2006	L	0.021
CB5MH VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997.	5A	PCBs in Fish Tissue	2006	L	0.055
CB5MH VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.612
CB5MH VAP-C01E_COC03A98 / Cockrell Creek / Described in the condemnation notice. VDH-DSS SFC 012-002C, 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.035
CB5MH VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.272
CB5MH VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 8/28/2018 Segment split in the 2020 cycle.	5A	PCBs in Fish Tissue	2006	L	0.198
CB5MH VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005, downstream to mouth at Fleet Point.	5A	PCBs in Fish Tissue	2006	L	0.152
CB5MH VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/1/2018.	5A	PCBs in Fish Tissue	2006	L	0.019
CB5MH VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.019
CB5MH VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS	5A	PCBs in Fish Tissue	2006	L	0.016

Chesapeake Bay/Atlantic/Small Coastal Basins

Shellfish Condemnation 013-220M1, 8/9/2011

CB5MH

VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.091

CB5MH

VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.189

CB5MH

VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/3/2018	5A	PCBs in Fish Tissue	2006	L	0.009

CB5MH

VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	5A	PCBs in Fish Tissue	2006	L	0.816

CB5MH

VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012.	5A	PCBs in Fish Tissue	2006	L	0.019

CB5MH

VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer Creek.	5A	PCBs in Fish Tissue	2006	L	0.190

Expanded in the 2020 cycle.

CB5MH

VAP-C01E_DYM01B14 / Dymer Creek / Portion of VDH-DSS SFC 016-024A 1/28/2005 not condemned 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.091

Shrank and renamed in the 2020 cycle.

CB5MH

VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.497

Split in the 2020 cycle.

CB5MH

VAP-C01E_DYM02B20 / Dymer Creek / Dymer Creek mainstem within 016-024S112, 12/28/2018 and not located within VDH-DSS SFC 016-024A 1/28/2005.	5A	PCBs in Fish Tissue	2006	L	0.098

CB5MH

VAP-C01E_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island	5A	PCBs in Fish Tissue	2006	L	0.090

CB5MH

VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff	5A	PCBs in Fish Tissue	2006	L	5.177

Chesapeake Bay/Atlantic/Small Coastal Basins

Point at Barnes Creek south to Fleets Island.

CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_GEO01A98 / Georges Cove / Portion of condemnation notice 016-024E, 1/28/2005 not closed 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.016

Split in the 2020 cycle.

CB5MH

VAP-C01E_GEO01B20 / Georges Cove / Described in condemnation notice 016-024B, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.018

CB5MH

VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220S84, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.075

Segment expanded in the 2020 cycle.

CB5MH

VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.118

Size expanded in the 2020 cycle.

VAP-C01E_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream	5A	PCBs in Fish Tissue	2006	L	0.268

CB5MH

VAP-C01E_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 5/1/2018 not included in 089A, 5/28/1997.	5A	PCBs in Fish Tissue	2006	L	0.131

Segment adjusted slightly in the 2020 cycle.

CB5MH

VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed	5A	PCBs in Fish Tissue	2006	L	0.058

CB5MH

VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 5/1/2018, downstream to Rogue Point unless otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	2.046

CB5MH

VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.017

CB5MH

VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.008

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.008
CB5MH VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089S82, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.033
CB5MH VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.	5A	PCBs in Fish Tissue	2006	L	5.761
CB5MH VAP-C01E_GWR03B16 / Great Wicomico River / Described in VDH-DSS condemnation 013-220D, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.004
CB5MH VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.022
CB5MH VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123B, 5/9/2016.	5A	PCBs in Fish Tissue	2006	L	0.045
CB5MH VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057C, 12/28/2018. Expanded in the 2020 cycle.	5A	PCBs in Fish Tissue	2006	L	0.041
CB5MH VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/19/2016. Split in the 2020 cycle.	5A	PCBs in Fish Tissue	2006	L	0.009
CB5MH VAP-C01E_HEN01C20 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 included in 016-057S111, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.020
CB5MH VAP-C01E_HEN02A14 / Henrys Creek / Downstream of 016-057C, 1/28/2005	5A	PCBs in Fish Tissue	2006	L	0.103
CB5MH VAP-C01E_HHB01A98 / Horn Harbor / Described in the condemnation notice 013-089D, 5/1/2016.	5A	PCBs in Fish Tissue	2006	L	0.071
CB5MH VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005.	5A	PCBs in Fish Tissue	2006	L	0.040
CB5MH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream.	5A	PCBs in Fish Tissue	2006	L	0.020
CB5MH					
VAP-C01E_IND01A98 / Indian Creek / Pitmans Cove / Portion of VDH-DSS condemnation notice 016-057A, 12/28/2018 that is not administratively condemned.	5A	PCBs in Fish Tissue	2006	L	0.331
Expanded and merged in the 2020 cycle.					
CB5MH					
VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.037
CB5MH					
VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 seasonally condemned on 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.042
Size reduced in the 2020 cycle.					
CB5MH					
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057D, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.015
CB5MH					
VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.495
CB5MH					
VAP-C01E_IND03B06 / Indian Creek / Portion of VDH-DSS Seasonal Shellfish Condemnation 016-057S110, 12/28/2018 not addressed in the TMDL.	5A	PCBs in Fish Tissue	2006	L	0.122
Expanded in the 2020 cycle.					
CB5MH					
VAP-C01E_JAR01A02 / Jarvis Creek, UT / As described in the condemnation notice 015-022F, 5/5/2014.	5A	PCBs in Fish Tissue	2006	L	0.026
CB5MH					
VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.016
CB5MH					
VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations	5A	PCBs in Fish Tissue	2006	L	0.200
CB5MH					
VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	5A	PCBs in Fish Tissue	2006	L	0.029

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005	5A	PCBs in Fish Tissue	2006	L	0.015
CB5MH VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.	5A	PCBs in Fish Tissue	2006	L	0.010
CB5MH VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006.	5A	PCBs in Fish Tissue	2006	L	0.017
CB5MH VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/3/2018. Expanded slightly in the 2020 cycle.	5A	PCBs in Fish Tissue	2006	L	0.087
CB5MH VAP-C01E_LTB01A02 / Little Bay / Little Bay	5A	PCBs in Fish Tissue	2006	L	1.178
CB5MH VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the condemnation notice 011-190B, 7/24/2014.	5A	PCBs in Fish Tissue	2006	L	0.049
CB5MH VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997.	5A	PCBs in Fish Tissue	2006	L	0.241
CB5MH VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram Bay	5A	PCBs in Fish Tissue	2006	L	1.173
CB5MH VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/4/2018 not included in the notice 123, 6/2/1997. Size reduced in the 2020 cycle.	5A	PCBs in Fish Tissue	2006	L	0.027
CB5MH VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnation to Ingrams Bay.	5A	PCBs in Fish Tissue	2006	L	0.464
CB5MH VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.018
CB5MH VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016.	5A	PCBs in Fish Tissue	2006	L	0.024
CB5MH VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS	5A	PCBs in Fish Tissue	2006	L	0.076

condemnations 011-122B, 8/28/2018 and 011-122C, 8/31/2016.

CB5MH

VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.037

CB5MH

VAP-C01E_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016.	5A	PCBs in Fish Tissue	2006	L	0.073

CB5MH

VAP-C01E_OYS01A08 / Oyster Creek / Described in VDH condemnation 018-053A, 1/4/2005	5A	PCBs in Fish Tissue	2006	L	0.103

CB5MH

VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220S85, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.009

CB5MH

VAP-C01E_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/3/2018 to its mouth.	5A	PCBs in Fish Tissue	2006	L	0.159

CB5MH

VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.014

CB5MH

VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997.	5A	PCBs in Fish Tissue	2006	L	0.015

CB5MH

VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010	5A	PCBs in Fish Tissue	2006	L	0.025

CB5MH

VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016	5A	PCBs in Fish Tissue	2006	L	0.209

Segment expanded and merged in the 2020 cycle.

CB5MH

VAP-C01E_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 not condemned on 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.025

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TBS02A00 / Tabbs Creek / Portion of VDH-DSS SFC 016-133S115, 12/18/2018 that is downstream of 016-133,	5A	PCBs in Fish Tissue	2006	L	0.121

Chesapeake Bay/Atlantic/Small Coastal Basins

12/13/2006.

Split in the 2020 cycle.

CB5MH

VAP-C01E_TBS02B20 / Tabbs Creek / Portion of VDH-DSS SFC 016-133, 12/13/2006 within 016-133S115, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.054

CB5MH

VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	5A	PCBs in Fish Tissue	2006	L	0.083

CB5MH

VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 5/1/2018 not included in 89C, 5/28/1997	5A	PCBs in Fish Tissue	2006	L	0.013

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123M1, 5/4/2018.	5A	PCBs in Fish Tissue	2006	L	0.027

CB5MH

VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190C, 10/10/2012	5A	PCBs in Fish Tissue	2006	L	0.021

CB5MH

VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	5A	PCBs in Fish Tissue	2006	L	0.069

CB5MH

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/1/2018 not included in 89E, 5/28/1997	5A	PCBs in Fish Tissue	2006	L	0.008

CB5MH

VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	5A	PCBs in Fish Tissue	2006	L	0.041

CB5MH

VAP-C01E_WHY02A20 / Whays Creek / Downstream of condemnation notice 089D, 4/3/2002 within condemnation 013-220S83, 5/1/2018.	5A	PCBs in Fish Tissue	2006	L	0.041

CB5MH

VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 013-220S83, 5/1/2018.	5A	PCBs in Fish Tissue	2006	L	0.058

Split in the 2020 cycle.

CB5MH

VAP-C01E_XDL01A02 / XDL - Great Wicomico River, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 8/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.018

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH					
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 013-220E, 5/1/2018	5A	PCBs in Fish Tissue	2006	L	0.001
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.029
CB5MH					
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997.	5A	PCBs in Fish Tissue	2006	L	0.011
CB5MH					
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	5A	PCBs in Fish Tissue	2006	L	0.007
CB5MH					
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, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.002
CB5MH					
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022F, 5/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.013
CB5MH					
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03.	5A	PCBs in Fish Tissue	2006	L	0.058
CB5MH					
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04.	5A	PCBs in Fish Tissue	2006	L	0.823
CB5MH					
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05.	5A	PCBs in Fish Tissue	2006	L	0.034
CB5MH					
VAP-C02E_DRN01A02 / Dragon Swamp / The tidal portion of Dragon Swamp to its mouth at the Piankatank River.	5A	PCBs in Fish Tissue	2006	L	0.823
PIAMH					
VAP-C03E_COB02B20 / Cobbs Creek / Described in VDH-DSS condemnation 034-126S70, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.037
PIAMH					
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.049

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH

VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.018

PIAMH

VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH condemnation 025-076C, 12/28/2018	5A	PCBs in Fish Tissue	2006	L	0.034

PIAMH

VAP-C03E_FER01A98 / Ferry Creek / Described in condemnation notices 035-076B and -076F, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.093

Split in the 2020 cycle.

PIAMH

VAP-C03E_FER01B20 / Ferry Creek / Portion of Ferry Creek that is not closed for oyster harvest.	5A	PCBs in Fish Tissue	2006	L	0.031

Split in the 2020 cycle.

PIAMH

VAP-C03E_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.010

PIAMH

VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208A, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.047

Split in the 2020 cycle.

PIAMH

VAP-C03E_HEA01B20 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208S67, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.024

PIAMH

VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	5A	PCBs in Fish Tissue	2006	L	0.062

PIAMH

VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996.	5A	PCBs in Fish Tissue	2006	L	0.019

PIAMH

VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996.	5A	PCBs in Fish Tissue	2006	L	0.015

Expanded and merged in the 2020 cycle.

PIAMH

VAP-C03E_JCK01C08 / Jackson Creek / Mainstem portion of condemnation notice 033-084A, 12/11/2018 not included in 84A, 11/1/1996.	5A	PCBs in Fish Tissue	2006	L	0.030

Expanded in the 2020 cycle.

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH

VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	5A	PCBs in Fish Tissue	2006	L	0.040

PIAMH

VAP-C03E_JCK02A20 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084D, 12/11/2018 not included in 084B, 11/1/1996.	5A	PCBs in Fish Tissue	2006	L	0.032

PIAMH

VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	5A	PCBs in Fish Tissue	2006	L	0.011

PIAMH

VAP-C03E_JCK02C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084M1, 12/11/2018 (not included in 084A and 084B, 11/1/1996.)	5A	PCBs in Fish Tissue	2006	L	0.145

Segment shortened and split in the 2020 cycle.

PIAMH

VAP-C03E_JCK03C10 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084B, 12/11/2018.	5A	PCBs in Fish Tissue	2006	L	0.013

PIAMH

VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208C, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.069

Size increased in the 2020 cycle.

PIAMH

VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	5A	PCBs in Fish Tissue	2006	L	0.558

PIAMH

VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	5A	PCBs in Fish Tissue	2006	L	1.280

PIAMH

VAP-C03E_PNK02A00 / Piankatank River / Mainstem Piankatank from end of 035-076S65, 12/28/2018 downstream to PNK03A00, excluding the Berkley Island area.	5A	PCBs in Fish Tissue	2006	L	3.355

Split in the 2020 cycle.

PIAMH

VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island	5A	PCBs in Fish Tissue	2006	L	0.785

PIAMH

VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank	5A	PCBs in Fish Tissue	2006	L	0.652

Chesapeake Bay/Atlantic/Small Coastal Basins

from Deep Point Boat Landing downstream to end of VDH-DSS Condemnation 035-076S65, 12/28/2018.

PIAMH

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.	5A	PCBs in Fish Tissue	2006	L	1.167

PIAMH

VAP-C03E_PNK04A00 / Piankatank River / Mainstem Piankatank River from PNK03A00 downstream to the point at Fishing Bay.	5A	PCBs in Fish Tissue	2006	L	3.528

PIAMH

VAP-C03E_PNK04B06 / Piankatank River / As described in VDH-DSS SFC 034-208M1, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.040

PIAMH

VAP-C03E_PNK04C06 / Piankatank River, Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.085

PIAMH

VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.011

PIAMH

VAP-C03E_PNK05A02 / Piankatank River / Piankatank River downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay	5A	PCBs in Fish Tissue	2006	L	4.942

PIAMH

VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126S71, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.007

PIAMH

VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126S72, 12/28/2018	5A	PCBs in Fish Tissue	2006	L	0.003

PIAMH

VAP-C03E_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 12/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.111

Split in the 2020 cycle.

PIAMH

VAP-C03E_WLT01B20 / Wilton Creek / Portion of VDH-DSS condemnation 126, 3/2/1993 that is not condemned.	5A	PCBs in Fish Tissue	2006	L	0.023

PIAMH

VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11.	5A	PCBs in Fish Tissue	2006	L	0.146

PIAMH

VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 8/6/2018.	5A	PCBs in Fish Tissue	2006	L	0.037

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 8/6/2018.	5A	PCBs in Fish Tissue	2006	L	0.056

Size reduced in the 2020 cycle.

MOBPH

VAP-C04E_BKA01B12 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (open).	5A	PCBs in Fish Tissue	2006	L	0.014

Expanded and split in the 2020 cycle.

MOBPH

VAP-C04E_BKA01C20 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (seasonally condemned).	5A	PCBs in Fish Tissue	2006	L	0.015

MOBPH

VAP-C04E_BLL01A16 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 open 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.002

Size reduced in the 2020 cycle.

PIAMH

VAP-C04E_BLL01A98 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.044

PIAMH

VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.317

PIAMH

VAP-C04E_BLL02B20 / Billups Creek / Portion of VDH-DSS condemnation 037-061B, 2/21/2017 open on 4/4/1997.	5A	PCBs in Fish Tissue	2006	L	0.006

PIAMH

VAP-C04E_BLL02C12 / Billups Creek / Described in condemnation notice 037-061M3, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.005

PIAMH

VAP-C04E_BLW01A98 / Blackwater Creek / Described in the condemnation notice 042-131A, 6/3/1997.	5A	PCBs in Fish Tissue	2006	L	0.101

MOBPH

VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.028

CB6PH

VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.047

Chesapeake Bay/Atlantic/Small Coastal Basins

Expanded in the 2020 cycle.

PIAMH

VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	5A	PCBs in Fish Tissue	2010	L	0.025

MOBPH

VAP-C04E_DAV01A98 / Davis Creek / Described in the condemnation notice 042-131C, 6/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.037

Size increased in the 2020 cycle.

MOBPH

VAP-C04E_DAV02A14 / Davis Creek, UT / Described in VDH-DSS Shellfish Condemnation 042-131S22, 8/1/2017.	5A	PCBs in Fish Tissue	2006	L	0.024

MOBPH

VAP-C04E_DOC01A98 / Doctors Creek / Portion of VDH condemnation notice 26B, 2/25/1997 open in 039-026, 3/7/2016.	5A	PCBs in Fish Tissue	2006	L	0.010

CB6PH

VAP-C04E_DOC01B14 / Doctors Creek / Described in VDH-DSS condemnation notice 039-026B, 3/7/2016.	5A	PCBs in Fish Tissue	2006	L	0.005

CB6PH

VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015.	5A	PCBs in Fish Tissue	2006	L	0.006

MOBPH

VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010.	5A	PCBs in Fish Tissue	2006	L	0.011

MOBPH

VAP-C04E_DVS02A12 / Davis Creek / Described in the condemnation notice 040-085M1, 9/29/2015.	5A	PCBs in Fish Tissue	2006	L	0.011

MOBPH

VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.013

Expanded slightly in the 2020 cycle.

MOBPH

VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100S76, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.019

Expanded slightly in the 2020 cycle.

CB6PH

VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth.	5A	PCBs in Fish Tissue	2006	L	0.268

CB6PH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997. Merged in the 2020 cycle. PIAMH	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 2/21/2017. Split in the 2020 cycle. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.041
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 2/11/2017 included in 197B, 1/21/1997. PIAMH	5A	PCBs in Fish Tissue	2006	L	0.006
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, 8/6/2018 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, 9/24/2018 open in 92, 1/3/1995. Size reduced in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.036
VAP-C04E_EST01D10 / East River, UT / Described in the condemnation notice 041-092S43, 9/24/2018. 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	2.462
VAP-C04E_EST02B20 / East River / Described in VDH-DSS condemnation 041-092S42, 9/24/2018. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.100
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 9/24/2018. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.026

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS SFC 041-212M2, 9/25/2014.	5A	PCBs in Fish Tissue	2006	L	0.010

MOBPH

VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005.	5A	PCBs in Fish Tissue	2006	L	0.020

MOBPH

VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.014

MOBPH

VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212S46, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.004

MOBPH

VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth.	5A	PCBs in Fish Tissue	2006	L	0.373

CB6PH

VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131M1, 8/1/2017.	5A	PCBs in Fish Tissue	2006	L	0.054

Merged in the 2020 cycle.

MOBPH

VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH condemnation notices 039-026A and -026E, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.191

Expanded and merged in the 2020 cycle.

CB6PH

VAP-C04E_HAH01C12 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 not closed in the 039-026, 3/3/2018 condemnation.	5A	PCBs in Fish Tissue	2006	L	0.044

Size reduced and renamed in the 2020 cycle.

CB6PH

VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	1.237

CB6PH

VAP-C04E_HAH02B12 / Horn Harbor and Horn Harbor, UT / Portion of VDH-DSS condemnation 039-026S73, 3/3/2018 downstream of 26A, 2/25/1997.	5A	PCBs in Fish Tissue	2006	L	0.185

Expanded in the 2020 cycle.

CB6PH

VAP-C04E_HAH02C20 / Horn Harbor / Described in VDH-DSS condemnation 039-026D, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.037

Chesapeake Bay/Atlantic/Small Coastal Basins

CB6PH					
VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026B, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.005
CB6PH					
VAP-C04E_HAH02E20 / Horn Harbor / Described in VDH-DSS condemnation 039-026S74, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.020
CB6PH					
VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 3/3/2018.	5A	PCBs in Fish Tissue	2006	L	0.016
CB6PH					
VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven	5A	PCBs in Fish Tissue	2006	L	0.023
PIAMH					
VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061E, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.016
PIAMH					
VAP-C04E_LAN01A02 / Lanes Creek / As described in condemnation notice 037-099E, 3/8/2018.	5A	PCBs in Fish Tissue	2006	L	0.020
PIAMH					
VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099C, 3/8/2018.	5A	PCBs in Fish Tissue	2006	L	0.002
PIAMH					
VAP-C04E_MID01A02 / Winder Creek / As described in the condemnation notice 037-099B, 3/8/2018.	5A	PCBs in Fish Tissue	2006	L	0.025
PIAMH					
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.030
MOBPH					
VAP-C04E_MLF01A98 / Milford Haven / Described in the condemnation notice 036-197A, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.029
PIAMH					
VAP-C04E_MLF02A98 / Milford Haven / Described in the condemnation notice 036-197E, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.030
PIAMH					
VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 2/11/2017 except as otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	1.411
PIAMH					
VAP-C04E_MLF04A06 / Milford Haven / Hills Bay	5A	PCBs in Fish Tissue	2006	L	2.283
PIAMH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.041
PIAMH					
VAP-C04E_MRC01A98 / Morris Creek / Described in condemnation notice 61B, 4/4/1997.	5A	PCBs in Fish Tissue	2006	L	0.034
PIAMH					
VAP-C04E_NOR01A02 / North River / Described in condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream.	5A	PCBs in Fish Tissue	2006	L	0.317
Merged in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 8/6/2018 not included on the 6/3/1997 condemnation.	5A	PCBs in Fish Tissue	2006	L	0.044
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	5.417
MOBPH					
VAP-C04E_NOR03A20 / North River / Described in VDH-DSS condemnation 042-157F, 8/6/2018.	5A	PCBs in Fish Tissue	2006	L	0.021
MOBPH					
VAP-C04E_OAK01A08 / Oakland Creek / Described in the condemnation notice 042-131B, 6/12/2014.	5A	PCBs in Fish Tissue	2006	L	0.030
MOBPH					
VAP-C04E_PEP01A06 / Pepper Creek / As described in the condemnation notice 040-085B, 9/26/2006.	5A	PCBs in Fish Tissue	2006	L	0.031
MOBPH					
VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/24/2018 not included in 5B, 6/5/1996.	5A	PCBs in Fish Tissue	2006	L	0.077
Size reduced slightly in the 2020 cycle.					
MOBPH					
VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open on 041-005, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.031
Split in the 2020 cycle.					
MOBPH					
VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.005
MOBPH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_PUT01E20 / Put In Creek / Described in VDH-DSS condemnation notice 041-005S44, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.018

MOBPH

VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	5A	PCBs in Fish Tissue	2006	L	0.021

MOBPH

VAP-C04E_QUE01A98 / Queens Creek / Described in VDH-DSS condemnation notice 99A, 4/9/1997.	5A	PCBs in Fish Tissue	2006	L	0.163

Merged with AU QUE01D12 in the 2020 cycle.

PIAMH

VAP-C04E_QUE01B10 / Queens Creek / Described in condemnation notices 037-099M1, 3/8/2018.	5A	PCBs in Fish Tissue	2006	L	0.031

PIAMH

VAP-C04E_QUE01C10 / Queens Creek / Below condemnation notice 99A, 4/7/1997.	5A	PCBs in Fish Tissue	2006	L	0.061

PIAMH

VAP-C04E_QUE02A12 / Queens Creek, UT / Described in condemnation notice 037-099D, 3/8/2018.	5A	PCBs in Fish Tissue	2006	L	0.019

PIAMH

VAP-C04E_RAN01A08 / Raines Creek / Described in VDH Shellfish Condemnation 041-212I, 10/25/2005.	5A	PCBs in Fish Tissue	2006	L	0.039

MOBPH

VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.026

MOBPH

VAP-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085B, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.028

Size reduced in the 2020 cycle.

MOBPH

VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.006

PIAMH

VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.289

PIAMH

VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 061A, 4/4/1997.	5A	PCBs in Fish Tissue	2006	L	0.089

Merged with STT01A14 in the 2020 cycle.

PIAMH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061M5, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.016
PIAMH					
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/21/2017 not condemned on 4/4/1997.	5A	PCBs in Fish Tissue	2006	L	0.045
Expanded slightly in the 2020 cycle.					
PIAMH					
VAP-C04E_STT01C14 / Stutts Creek / Described in VDH condemnation notice 037-061M4, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.013
PIAMH					
VAP-C04E_STT02A00 / Stutts Creek / Morris Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.229
Split in the 2020 cycle.					
PIAMH					
VAP-C04E_STT02B20 / Stutts Creek, UT / Described in VDH-DSS condemnation 037-061D, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.009
PIAMH					
VAP-C04E_STT04A06 / Stutts Creek / Described in VDH-DSS SFC 037-061M2, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.025
PIAMH					
VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point Breeze downstream to its mouth at the Chesapeake Bay.	5A	PCBs in Fish Tissue	2006	L	1.037
PIAMH					
VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212F, 9/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.034
MOBPH					
VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014.	5A	PCBs in Fish Tissue	2006	L	0.014
MOBPH					
VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/6/2018.	5A	PCBs in Fish Tissue	2006	L	0.020
MOBPH					
VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.018
PIAMH					
VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	5A	PCBs in Fish Tissue	2006	L	0.046
PIAMH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach	5A	PCBs in Fish Tissue	2006	L	0.271
PIAMH					
VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 2/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.108
CB6PH					
VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented.	5A	PCBs in Fish Tissue	2006	L	0.348
CB6PH					
VAP-C04E_WIN01C20 / Winter Harbor / Described in VDH-DSS Condemnation 038-178C, 2/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.030
CB6PH					
VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 2/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.037
CB6PH					
VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of Winter Harbor.	5A	PCBs in Fish Tissue	2006	L	0.715
Size reduced in 2020 cycle.					
CB6PH					
VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnation 038-176A, 2/28/2018.	5A	PCBs in Fish Tissue	2006	L	0.247
Segment expanded in the 2020 cycle.					
CB6PH					
VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.025
MOBPH					
VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.029
MOBPH					
VAP-C04E_WOO02A20 / Woodas Creek / Described in VDH-DSS condemnation 041-09S45, 9/24/2018.	5A	PCBs in Fish Tissue	2006	L	0.021
MOBPH					
VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005.	5A	PCBs in Fish Tissue	2006	L	0.018
MOBPH					
VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 6/30/2016.	5A	PCBs in Fish Tissue	2006	L	0.020
MOBPH					
VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/21/2017.	5A	PCBs in Fish Tissue	2006	L	0.016

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH					
VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	5A	PCBs in Fish Tissue	2006	L	0.739
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 the condemnation notice 96B, 8/12/1996.	5A	PCBs in Fish Tissue	2006	L	0.085
MOBPH					
VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River	5A	PCBs in Fish Tissue	2006	L	0.102
MOBPH					
VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	5A	PCBs in Fish Tissue	2006	L	0.257
MOBPH					
VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/6/2018 not included in condemnation 96A and 96B, 8/12/1996.	5A	PCBs in Fish Tissue	2006	L	0.168
Shortened in the 2020 cycle.					
MOBPH					
VAP-C05E_WAR02A02 / Ware River / Ware River downstream of SFC 096.	5A	PCBs in Fish Tissue	2006	L	6.309
MOBPH					
VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	5A	PCBs in Fish Tissue	2006	L	0.010
MOBPH					
VAP-C05E_WAR02C20 / Ware River / Described in VDH-DSS condemnation 043-096S26, 8/6/2018.	5A	PCBs in Fish Tissue	2006	L	0.094
MOBPH					
VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	5A	PCBs in Fish Tissue	2006	L	0.033
MOBPH					
VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/6/2018 not included in condemnation notice 106, 8/12/1996.	5A	PCBs in Fish Tissue	2006	L	0.142
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C05E_XDJ01A08 / XDJ - Wilson Creek, UT / Tidal limit to mouth at Wilson Creek.	5A	PCBs in Fish Tissue	2006	L	0.010

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed.	5A	PCBs in Fish Tissue	2006	L	0.252

MOBPH

VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125B, 12/12/2017.	5A	PCBs in Fish Tissue	2006	L	0.051

MOBPH

VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996.	5A	PCBs in Fish Tissue	2006	L	0.021

MOBPH

VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/12/2017 not included in 125B, 12/31/1996.	5A	PCBs in Fish Tissue	2006	L	0.024

MOBPH

VAP-C06E_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.039

MOBPH

VAP-C06E_FSC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.027

MOBPH

VAP-C06E_HEY01A98 / Heywood Creek / Described in the condemnation notice 044-054B, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.081

MOBPH

VAP-C06E_HEY01B10 / Heywood Creek / Portion of condemnation notice 101, 4/1/1997 open in condemnation 044-054, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.085

MOBPH

VAP-C06E_MNC01A98 / Monday Creek / Portion of VDH-DSS condemnation notice 25A, 12/31/1996 open on 12/12/2017.	5A	PCBs in Fish Tissue	2006	L	0.030

MOBPH

VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/12/2017.	5A	PCBs in Fish Tissue	2006	L	0.053

MOBPH

VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.067

MOBPH

VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 5/30/2018, excluding tributary XEE.	5A	PCBs in Fish Tissue	2006	L	0.127

Size increased in the 2020 cycle.

MOBPH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093D, 5/30/2018. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.034
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 5/30/2018. Size reduced in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.167
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented MOBPH	5A	PCBs in Fish Tissue	2006	L	0.441
VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem 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 the condemnation notice 044-054A, 5/30/2018. Expanded slightly in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.063
VAP-C06E_THC01B10 / Thorntons Creek / Portion of condemnation notice 054, 4/1/1997 open in condemnation 044-054, 5/30/2018. Size reduced slightly in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.016
VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 5/30/2018. Expanded in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.102
VAP-C06E_VGH01B10 / Vaughans Creek / Portion of condemnation notice 093B, 4/1/1997 open on 5/30/2018. Size reduced in the 2020 cycle. MOBPH	5A	PCBs in Fish Tissue	2006	L	0.019
VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 5/30/2018.	5A	PCBs in Fish Tissue	2006	L	0.033

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH					
VAP-C06E_WET01B08 / Willetts Creek / Described in VDH Condemnation 044-054C, 2/15/2006.	5A	PCBs in Fish Tissue	2006	L	0.128
MOBPH					
VAP-C06E_WTT01A08 / Whitaker Creek / Tidal extent of Whitaker Creek.	5A	PCBs in Fish Tissue	2006	L	0.066
MOBPH					
VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	5A	PCBs in Fish Tissue	2012	L	0.003
MOBPH					
VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed.	5A	PCBs in Fish Tissue	2006	L	1.301
MOBPH					
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 / Bullbegger 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.	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 20180725).	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 20180725).	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 20180725).	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 20180725).	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 (effective 20180725).	5A	PCBs in Fish Tissue	2006	L	0.006
VAT-C10E_BAG01A00 / Bagwell Creek / Northwest of Town of	5A	PCBs in Fish Tissue	2006	L	0.115

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Justisville. Entirety of creek. Portion of CBP segment POCMH. DSS shellfish direct harvesting condemnation # 077-138 A (effective 20170620).					
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 20170620).	5A	PCBs in Fish Tissue	2006	L	0.101
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 20170620).	5A	PCBs in Fish Tissue	2006	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper / 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 20170620).	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 (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20170620).	5A	PCBs in Fish Tissue	2006	L	0.420
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. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	0.220
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 20170620).	5A	PCBs in Fish Tissue	2006	L	0.041
VAT-C10E_GLF01A06 / Guilford Creek - Upper / 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 20180725).	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 Restricted-condemnation direct harvesting condemnation # 076-176 (effective 20180725).	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	0.026
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 20180725).	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	5A	PCBs in Fish Tissue	2006	L	0.050

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(effective 20180725).					
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 20180620).	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 20170620).	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
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 20180725).	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20180725).	5A	PCBs in Fish Tissue	2006	L	0.156
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS Restricted condemnation # 076-167 (effective 20180725).	5A	PCBs in Fish Tissue	2006	L	0.341
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	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 20180725).	5A	PCBs in Fish Tissue	2006	L	0.301
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 Restricted condemnation # 076-176 (effective 20180725).	5A	PCBs in Fish Tissue	2006	L	0.048
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. No DSS shellfish direct harvesting condemnation.	5A	PCBs in Fish Tissue	2006	L	0.060
VAT-C10E_PMC01A20 / Pompco Creek / Inlets of unnamed island on the eastern portion of Pompco Creek. Portion of CBP segment CB7PH.Shellfishing Restricted Condemnation (20180614).	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 20180725).	5A	PCBs in Fish Tissue	2006	L	1.452

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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 20180725).	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 (effective 20180725).	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 Restricted-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20180725).	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	2.975
VAT-C10E_ZZZ02B10 / Unsegmented Bay Waters in C10E-POCMH - Doe Cr / Non-segmented portions of Bay Waters in C10E-POCMH. DSS (OPEN) shellfish direct harvesting condemnation area # 077-138 (20170620).	5A	PCBs in Fish Tissue	2006	L	0.365
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 C (effective 20180327).	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 20180620).	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 OPEN(effective 20150708).	5A	PCBs in Fish Tissue	2006	L	0.100
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 (20180614).	5A	PCBs in Fish Tissue	2006	L	1.832
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20180614). Portion of CBP segment CB7PH.	5A	PCBs in Fish Tissue	2006	L	0.030
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 B (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.069
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.119

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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 20180327).	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 condemnation # 080-169 (effective 20071219).	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 20071219) & no DSS area identified.	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 20180327).	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 DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20180327).	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 end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.097
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Finneys Wharf downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	1.953
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 (ADMIN) shellfish direct harvesting condemnation # 080-013 M2 (effective 20180327).	5A	PCBs in Fish Tissue	2006	L	0.016
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 / Unsegmented estuaries in C11E. / Portion of Pompco Creek that includes the southwest inlet of the Tobacco Island bay. VDH DSS Restricted-Condemnation #079-112 (20180614).	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 20180327).	5A	PCBs in Fish Tissue	2006	L	0.035

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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 (effective 20180327).	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 M1 (effective 20180327).	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
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 (20180327).	5A	PCBs in Fish Tissue	2006	L	0.600
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 20180321).	5A	PCBs in Fish Tissue	2006	L	0.232
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 OPEN condemnation OPEN # 081-119 (effective 20180321).	5A	PCBs in Fish Tissue	2006	L	0.265
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 20180321).	5A	PCBs in Fish Tissue	2006	L	1.186
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 20180321).	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 &M1 (effective 20180321).	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 20180321).	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 (Admin Cond) condemnation # 081-119 D (effective 20180321).	5A	PCBs in Fish Tissue	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 20180321).	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	5A	PCBs in Fish Tissue	2006	L	0.002

direct harvesting condemnation identified.					
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 20180321).	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 (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20180321)	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 20181115).	5A	PCBs in Fish Tissue	2006	L	0.373
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 2018115).	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 A (effective 20181115).	5A	PCBs in Fish Tissue	2006	L	0.059
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
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. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	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 20180321).	5A	PCBs in Fish Tissue	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove / 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 20181115).	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 D (effective 20181115).	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 20181115).	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 shellfish direct harvesting condemnation # 082-160 (effective 20180321).	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.	5A	PCBs in Fish Tissue	2006	L	0.144

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DSS condemnation # 082-160 A&C (effective 20180321).					
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	5A	PCBs in Fish Tissue	2006	L	0.223
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. No DSS shellfish direct harvesting condemnation identified.	5A	PCBs in Fish Tissue	2006	L	3.150
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 20181115).	5A	PCBs in Fish Tissue	2006	L	0.205
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / 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 20181115).	5A	PCBs in Fish Tissue	2006	L	0.169
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 20181115).	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 20181115).	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 the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20190107).	5A	PCBs in Fish Tissue	2006	L	0.538
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 20190107).	5A	PCBs in Fish Tissue	2006	L	2.469
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 20190107).	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 20180107).	5A	PCBs in Fish Tissue	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 20181115) (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	5A	PCBs in Fish Tissue	2006	L	0.166

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 20181115).					
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 20181115).	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. No DSS shellfish direct harvesting condemnation identified.	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 OPEN shellfish direct harvesting condemnation # 086-136 (effective 20181003).	5A	PCBs in Fish Tissue	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20181003).	5A	PCBs in Fish Tissue	2006	L	0.138
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20181003).	5A	PCBs in Fish Tissue	2006	L	1.187
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 E (effective 20181003).	5A	PCBs in Fish Tissue	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 D (effective 20181003).	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 20181003).	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 20181003).	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 20181003).	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 C (effective 20181003).	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 20181003).	5A	PCBs in Fish Tissue	2006	L	0.357

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20150827).	5A	PCBs in Fish Tissue	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	5A	PCBs in Fish Tissue	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch& Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20181115).	5A	PCBs in Fish Tissue	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 20181115).	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 Restricted-condemnation # 085-199 (20181115).	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 20181003.	5A	PCBs in Fish Tissue	2006	L	0.838
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	0.079
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 (20180821).	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 Restricted shellfish direct harvesting condemnation # 088-139 B(20180821).	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 Restricted-condemnation # 088-139 (20180821).	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 (20180821).	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 (20180821) &Seasonal Condemnation M1.	5A	PCBs in Fish Tissue	2006	L	0.247
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	0.587
VAT-C16E_CCH01A04 / Cape Charles Harbor - Upper / From	5A	PCBs in Fish Tissue	2006	L	0.056

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).					
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_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 20180822).	5A	PCBs in Fish Tissue	2006	L	0.044
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 shellfish direct harvesting condemnation # 090-152 A (effective 20180822).	5A	PCBs in Fish Tissue	2006	L	0.152
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 (20180822).	5A	PCBs in Fish Tissue	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. DSS Shellfish OPEN condemnation 20180822.	5A	PCBs in Fish Tissue	2006	L	0.146

Chesapeake Bay and Tidal Tributaries **Fish Consumption**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
PCBs in Fish Tissue - Total Impaired Size by Water Type:	**1,825.606**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-18-SF** **Ball Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 014-124B, 5/4/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 014-124B, 5/4/2018

The TMDL for Ball Creek was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. It was based on condemnation 124B, 6/2/1997.

The creek was open for harvest at the TMDL of the TMDL so it has been previously considered Category 2C.

A portion 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_BAL01B20 / Ball Creek / Described in VDH condemnation notice 014-124B, 5/4/2018.	4A	Fecal Coliform	2020	L	0.039

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northumberland Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 015-022E, 5/3/2018

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 another 1998 condemnation on an unnamed tributary. 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.	4A	Fecal Coliform	1998	L	0.011

CB5MH

XEU - Prentice Creek, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.011**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/28/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 011-190A, 78/28/2018

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 - Great Wicomico River, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 8/28/2018.	4A	Fecal Coliform	2002	L	0.018

CB5MH

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-057A, 12/28/2019 (excludes administrative portion)

City / County: Lancaster Co. Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnations 016-057A, 12/28/2018 (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.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / Pitmans Cove / Portion of VDH-DSS condemnation notice 016-057A, 12/28/2018 that is not administratively condemned.	4A	Fecal Coliform	1998	L	0.331

Expanded and merged in the 2020 cycle.

CB5MH

Indian Creek & Pitman Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.331**		

Sources:

Municipal Point Source Discharges

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 015-022F, 5/3/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 015-022F, 5/3/2018

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; therefore, the tributary had been Category 2C

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 015-022F, 5/3/2018.	4A	Fecal Coliform	2020	L	0.013

CB5MH

XUC - Dividing Creek, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.013**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 Number 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer Creek

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer 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.

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 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer Creek.	4A	Fecal Coliform	1998	L	0.190

Expanded in the 2020 cycle.

CB5MH

Dymer Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.190**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-25-SF** **Barnes Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 016-057B, 12/28/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 016-057B, 12/28/2018

Barnes Creek was impaired of the Shellfish Use during the 2008 cycle due to VDH-DSS Shellfish Condemnation Notice 016-057C, 12/13/2006. It was subsequently delisted, however, the TMDL was completed 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.

A portion 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_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 12/28/2018.	4A	Fecal Coliform	2020	L	0.110

CB5MH

Barnes Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.110**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Lancaster Co.

Use(s): Recreation

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

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.

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, 12/19/2016	4A	Enterococcus	2012	L	0.209
Segment expanded and merged in the 2020 cycle.					
CB5MH					
VAP-C01E_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 not condemned on 12/28/2018.	4A	Enterococcus	2020	L	0.025
Size decreased in the 2020 cycle.					
CB5MH					

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 and -133B, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 016-133A and -133B, 12/28/2018

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, 12/19/2016	4A	Fecal Coliform	1998	L	0.209

Segment expanded and merged in the 2020 cycle.

CB5MH

Tabbs Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.209**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 017-188A, 12/28/2018

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 3 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.

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, 12/28/2018.	4A	Fecal Coliform	1998	L	0.058

Expanded in the 2020 cycle.

CB5MH

Antipoison Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.058**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/13/2006

City / County: Lancaster Co. Northumberland Co.

Use(s): Recreation

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

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.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_IND01A98 / Indian Creek / Pitmans Cove / Portion of VDH-DSS condemnation notice 016-057A, 12/28/2018 that is not administratively condemned. Expanded and merged in the 2020 cycle. CB5MH	4A	Enterococcus	2014	L	0.331
VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/28/2018. CB5MH	4A	Enterococcus	2014	L	0.037
VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 seasonally condemned on 12/28/2018. Size reduced in the 2020 cycle. CB5MH	4A	Enterococcus	2014	L	0.042
VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057D, 12/28/2018. CB5MH	4A	Enterococcus	2014	L	0.015

Indian Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.426**		

Sources:

Municipal Point Source Discharges

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Lancaster Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation Notice 016-024D, 12/28/2018

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 condemnations merged in the 2020 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.	4A	Fecal Coliform	2016	L	0.018

CB5MH

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 Number 016-024B, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS condemnation notice 016-024B, 12/28/2018

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.)

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 condemnation notice 016-024B, 12/28/2018.	4A	Fecal Coliform	2020	L	0.018

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 016-024C, 12/28/2018

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.

During the 2012 cycle, the condemnation expanded. The expansion was nested.

It completely opened in the 2018 cycle and both segments were 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	4A	Fecal Coliform	2020	L	0.015

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/1/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 013-089B, 5/1/2018

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, 5/1/2018.	4A	Fecal Coliform	2004	L	0.082

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018 not included in 016-024C, 1/28/2005.

City / County: Lancaster Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 016-024C, 12/28/2018

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.

During the 2012 cycle, the condemnation expanded. The expansion was nested. Lees Cove completely opened in the 2018 cycle and both segments were 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_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.	4A	Fecal Coliform	2020	L	0.010

CB5MH

Lees Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.010**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation 017-188E, 12/28/2018

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 3 condemnations. As the lower sections were first impaired in the 2006 cycle, the TMDLs for those portions were due in 2018. 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 will be 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, 12/28/2018.	4A	Fecal Coliform	2020	L	0.022

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-38-SF** **Cranes Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 013-220C, 5/1/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnations 013-220C, 5/1/2018

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_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018	4A	Fecal Coliform	2008	L	0.019

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/1/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Number 013-089C, 5/1/2018

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, 5/1/2018.	4A	Fecal Coliform	2008	L	0.019

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 015-022H, 5/3/2016

City / County: Lancaster Co. Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 015-022H, 5/3/2018

The impairment is proposed for nesting 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 015-022H, 5/3/2018.	4A	Fecal Coliform	2016	L	0.016

CB5MH

Jarvis Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.016**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Lancaster Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 016-024D, 12/28/2018

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

They merged and expanded into mainstem Dymer Creek in the 2020 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	4A	Fecal Coliform	2006	L	0.023

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 017-188B, 12/28/2018

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.

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 the condemnation notice 017-188B, 12/28/2018.	4A	Fecal Coliform	2006	L	0.013

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Lancaster Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 017-188C, 12/28/2018

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, 12/28/2018.	4A	Fecal Coliform	2006	L	0.005

Expanded in the 2020 cycle.

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01E-53-SF** **Owens Pond**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 011-122B, 8/28/2018

City / County: Northumberland Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 011-122B, 8/28/2018

Owens Pond was listed on the 1998 303(d) list due to VDH condemnation 122, 1/3/1992. The Shellfish TMDL was developed was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009.

The condemnation was lifted on 9/29/2008; therefore, the segment was delisted (Category 2C) (C10E-10-SF / 00967). However, portions of Owens Pond were relisted in the 2012 cycle and are considered Category 4A.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/28/2018.	4A	Fecal Coliform	2012	L	0.037

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northumberland Co.

Use(s): Recreation

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

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.

However, 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.

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.	4A	Enterococcus	2012	L	0.020

CB5MH

Head River Branch **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.020**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: Described in VDH Condemnation Number 015-022A, 5/3/2018

City / County: Northumberland Co.

Use(s): Recreation

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

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.

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 was changed in the 2016 and 2018 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 / Described in VDH-DSS condemnation 015-022A, 5/3/2018.	4A	Enterococcus	2012	L	0.091

CB5MH

Dividing Creek and XDB - Dividing Creek, UT **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.091**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northumberland Co.

Use(s): Recreation

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

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.

However, 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.

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	4A	Enterococcus	2012	L	0.095

CB5MH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Recreation

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

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.

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	3.90

Crabbe Mill Stream **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**3.90**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Aquatic Life

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

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	3.90

Crabbe Mill Stream **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			**3.90**

Sources:

Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: The nontidal mainstem of Crabbe Mill Stream.

City / County: Northumberland Co.

Use(s): Aquatic Life

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

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	3.90

Crabbe Mill Stream **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
pH - Total Impaired Size by Water Type:			**3.90**

Sources:

Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C01R-02-BEN** **Dymer Creek**

Cause Location: The nontidal mainstem of Dymer Creek

City / County: Lancaster Co.

Use(s): Aquatic Life

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

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	2.06

Dymer Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**2.06**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Essex Co. Gloucester Co. King And Queen Co. Middlesex Co.

Use(s): Fish Consumption

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

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-DRN003.40
7-DRN023.41
7-DRN001.43
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.	5A	Mercury in Fish Tissue	2004	M	0.823
PIAMH					
VAP-C02R_DRN01A98 / Dragon Swamp / From Route 602 (rm 15.08) to the tidal limit.	5A	Mercury in Fish Tissue	2006	M	12.37
VAP-C02R_DRN02A04 / Dragon Swamp / Perennial headwaters near Route 620 to Exol Swamp.	5A	Mercury in Fish Tissue	2006	M	14.90
Segment split in the 2020 cycle.					
VAP-C02R_DRN02B20 / Dragon Swamp / Exol Swamp to Route 602 (rm 15.08).	5A	Mercury in Fish Tissue	2006	M	4.36
VAP-C02R_DRN03A10 / Dragon Swamp / Headwaters to perennial headwaters.	5A	Mercury in Fish Tissue	2006	M	0.34
VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	5A	Mercury in Fish Tissue	2008	M	0.062
PIAMH					
VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at Deep Point Boat Landing.	5A	Mercury in Fish Tissue	2004	M	0.558
PIAMH					
VAP-C03E_PNK01A98 / Piankatank River / Watershed limit (start of Piankatank River) downstream to limit of SFC 035-076A, 6/10/1997.	5A	Mercury in Fish Tissue	2004	M	1.280

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: King And Queen Co.

Use(s): Recreation

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

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.)

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	11.34

Exol Swamp **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**11.34**

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: Headwaters to mouth at Dragon Swamp

City / County: Gloucester Co. King And Queen Co. Middlesex Co.

Use(s): Recreation

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

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.)

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Essex Co. King And Queen Co. Middlesex Co.

Use(s): Recreation

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

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 will be considered nested (Category 4A.)

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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 the condemnation notice 076B, 6/10/1997.	4A	Enterococcus	2010	L	0.062

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co. Middlesex Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnations 035-076A and -076E, 12/28/2018

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.

FYI - The Piankatank River condemnation expanded during the 2014 cycle and was larger than the original 1998 impairment (see C01E-20-SF for the expansion).

The condemnation shrank and split in the 2020 cycle and now matches the extent of the 1997 condemnations.

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 the 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:	**2.165**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-03-SF** **Frenchs Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 035-076D, 12/2/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 035-076D,12/28/2018

Frenchs Creek was initially listed as impaired of the Shellfish Consumption Use during the 2002 cycle based on VDH-DSS Shellfish Condemnation Notice 076B, 6/6/2000.

Frenchs Creek is nested within the 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_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 12/28/2018.	4A	Fecal Coliform	2002	L	0.010

PIAMH

Frenchs Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.010**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C03E-04-BAC** **Ferry Creek**

Cause Location: The tidal portion of Ferry Creek.

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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 condemnation notices 035-076B and -076F, 12/28/2018.	4A	Enterococcus	2010	L	0.093
Split in the 2020 cycle.					
PIAMH					
VAP-C03E_FER01B20 / Ferry Creek / Portion of Ferry Creek that is not closed for oyster harvest.	4A	Enterococcus	2010	L	0.031
Split in the 2020 cycle.					
PIAMH					

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-04-SF** **Ferry Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnations 035-076B and -076F, 12/28/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notices 035-076B and -076F, 12/28/2018
VDH-DSS Notice 035-076S66, 12/28/2019 - seasonal

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.

The condemnation shrank and split in the 2020 cycle. A portion is now seasonally condemned and will be delisted (Category 2B.)

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 condemnation notices 035-076B and -076F, 12/28/2018.	4A	Fecal Coliform	2014	L	0.093

Split in the 2020 cycle.

PIAMH

Ferry Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.093**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 034-126A, 12/28/2018

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 will be 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_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 12/28/2018.	4A	Fecal Coliform	1998	L	0.111

Split in the 2020 cycle.

PIAMH

Wilton Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.111**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 034-208A, 12/28/2018

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 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 expanded in the 2016 cycle.

In the 2020 cycle, the condemnation shrank a portion converted to seasonally condemned (034-208S67, 12/28/2018). It will be 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, 12/28/2018.	4A	Fecal Coliform	1998	L	0.047

Split in the 2020 cycle.

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-07-SF** **Moore Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-208C, 12/28/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 034-208C, 12/28/2018

The Moore Creek 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 9/7/2006.

Size increased in the 2020 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208C, 12/28/2018.	4A	Fecal Coliform	2002	L	0.069

Size increased in the 2020 cycle.

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-08-SF** **Jackson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 084A, 11/1/1996

City / County: Middlesex Co.

Use(s): Shellfishing

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

Portion of VDH-DSS SFC Notice 033-084A, 12/11/2018

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996. Although the condemnations expanded and merged in the 12/30/2004 condemnation, the bacteria TMDL, which was developed by the DEQ and approved by the EPA on 6/7/2006 only addressed the original areas. This area is classified as Category 4A.

The lower portion is addressed in fact sheet C03E-08-SF2; the TMDL for the expansion is due in 2018.

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.	4A	Fecal Coliform	1998	L	0.019

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-08-SF2** **Jackson Creek**

Cause Location: Mainstem portion of VDH Notice and Description of Shellfish Condemnation 033-084A, 12/11/2018 not included in condemnations 84A & 84B, 11/1/1996

City / County: Middlesex Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 033-084A, 12/11/2018

Two areas of Jackson Creek were listed as impaired on the 1998 303(d) list due to VDH Condemnation 84A & B, 11/1/1996. Although the condemnations expanded and merged in the 033-084A, 12/30/2004 condemnation, the bacteria TMDL, which was developed by the DEQ and approved by the EPA on 6/7/2006 only addressed the original areas. These areas are classified as Category 4A.

The TMDL for the expansion was due in 2018. However, during the 2010 cycle, the condemned portion shrank considerably. The majority of the area is now only seasonally condemned and was partially delisted.

The condemned expansion is nested in the Jackson Creek TMDL and is considered Category 4A. It expanded slightly in the 2020 cycle and merged with the UT impairment. That area is addressed separately (see C03E-22-SF)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01C08 / Jackson Creek / Mainstem portion of condemnation notice 033-084A, 12/11/2018 not included in 84A, 11/1/1996.	4A	Fecal Coliform	2006	L	0.030

Expanded in the 2020 cycle.

PIAMH

Jackson Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.030**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-10-EBEN** **Piankatank River**

Cause Location: Piankatank River / Dragon Swamp tidal mainstem

City / County: Gloucester Co. Mathews Co. Middlesex Co.

Use(s): Aquatic Life

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

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. The impairment was expanded. 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.)

The mainstem continues 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.

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_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at 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, 12/28/2018 downstream to PNK03A00, excluding the Berkley Island area. Split in the 2020 cycle. PIAMH	5A	Estuarine Bioassessments	2014	L	3.355
VAP-C03E_PNK02B08 / Piankatank River / Bend around Berkley Island PIAMH	5A	Estuarine Bioassessments	2008	L	0.785

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C03E_PNK02C20 / Piankatank River / Mainstem Piankatank from Deep Point Boat Landing downstream to end of VDH-DSS Condemnation 035-076S65, 12/28/2018. PIAMH	5A	Estuarine Bioassessments	2014	L	0.652
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, 12/28/2018. PIAMH	5A	Estuarine Bioassessments	2014	L	0.040
VAP-C03E_PNK04C06 / Piankatank River, Fishing Bay / As described in VDH-DSS SFC 034-208 M2, 12/28/2018. PIAMH	5A	Estuarine Bioassessments	2014	L	0.085
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	4.942
VAP-C04E_MLF04A06 / Milford Haven / Hills Bay PIAMH	5A	Estuarine Bioassessments	2014	L	2.283

Piankatank River **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**19.497**		

Sources:

Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia	Contaminated Sediments	Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-11-SF** **Jackson Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 084B, 12/11/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

Portion of VDH-DSS SFC Notice 033-084D, 12/11/2018

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 developed by the DEQ and approved by the EPA on 6/7/2006.

This area was delisted in 2010 and relisted in 2014. This area is classified as Category 4A.

It grew substantially in the 2020 cycle and is now larger than the TMDL extent, which will be nested.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996.	4A	Fecal Coliform	2014	L	0.015

Expanded and merged in the 2020 cycle.

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 11/12/2014

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 034-126B, 12/28/2018

The upper portion of Cobbs Creek was originally listed in 1998 as not supporting for the Shellfish Use based on VDH-DSS Shellfish Condemnation 170, 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.

During the 2012 cycle, the majority of Cobbs Creek was delisted and classified Category 2C. A portion that was not impaired in 1998 remained Category 4A due to VDH-DSS condemnation 034-126B, 9/5/2012. (It was mistakenly considered nested; however, the TMDL addressed all of Cobbs Creek.)

The condemnation expanded in the 2016 cycle.

It shrank in the 2020 cycle and a portion is now seasonally condemned (034-126S70, 12/28/2018). It will be 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_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/28/2018.	4A	Fecal Coliform	2014	L	0.049

PIAMH

Cobbs Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.049**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-13-SF** **Jackson Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 033-084C, 12/11/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation Notice 033-084C, 12/11/2018

The impairment is nested within the neighboring Jackson Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006 and by the SWCB on 6/27/2007. It is considered Category 4A.

It expanded slightly in the 2020 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	4A	Fecal Coliform	2014	L	0.040

PIAMH

Jackson Creek, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.040**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 035-076C, 12/28/2018

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 condemnation 025-076C, 12/28/2018	4A	Fecal Coliform	2008	L	0.034

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-16-BAC** **Piankatank River**

Cause Location: Piankatank River's bend around Berkley Island

City / County: Middlesex Co.

Use(s): Recreation

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

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.

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	5A	Enterococcus	2014	L	0.785

PIAMH

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Mathews Co. Middlesex Co.

Use(s): Recreation

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

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.

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.	5A	Enterococcus	2016	L	1.167

PIAMH

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation 035-208D, 12/28/2018

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 9/7/2006.

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, 12/28/2018.	4A	Fecal Coliform	2014	L	0.018

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 12/28/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation Notice 034-208B, 12/28/2018

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, 12/28/2018.	4A	Fecal Coliform	2008	L	0.011

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 034-126E, 11/12/2014.

City / County: Middlesex Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 033-084A, 12/11/2018

The impairment is nested in the Jackson Creek Shellfish TMDL, which was developed by the DEQ and approved by the EPA on 6/7/2006.

In the 2020 cycle, condemnation 033-084E, 11/12/2014 merged with the Jackson Creek condemnation. This portion is the UT.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	4A	Fecal Coliform	2016	L	0.011

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C03E-23-SF** **Jackson Creek**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation 033-084D, 12/11/2018 not included in 084B, 12/11/2018

City / County: Middlesex Co.

Use(s): Shellfishing

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

Portion of VDH-DSS SFC Notice 033-084D, 12/11/2018

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 developed by the DEQ and approved by the EPA on 6/7/2006.

The condemnation for old area B grew substantially in the 2020 cycle and is now larger than the TMDL extent. This fact sheet covers the expansion, which will be nested (Category 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C03E_JCK02A20 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084D, 12/11/2018 not included in 084B, 11/1/1996.	4A	Fecal Coliform	2020	L	0.032

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 037-099A, 3/18/2018

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 2018 cycle, it was smaller than the 1997 condemnation. The condemned areas are considered Category 4A; the seasonal area were partially delisted (Category 2C). The condemnation grew in the 2020 cycle and now matches the 1997 extent.

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 / Described in VDH-DSS condemnation notice 99A, 4/9/1997.	4A	Fecal Coliform	1998	L	0.163

Merged with AU QUE01D12 in the 2020 cycle.

PIAMH

Queens Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.163**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 036-197D, 2/11/2017

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 will be 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.	4A	Fecal Coliform	2018	L	0.027

Merged in the 2020 cycle.

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS SFC Number 041-005A, 9/24/2018

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 the condemnation notice 5B, 6/5/1996.	4A	Fecal Coliform	2016	L	0.021

MOBPH

Put In Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.021**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 037-061A, 2/21/2017
Portion of VDH Shellfish Condemnations 037-061C, 2/21/2017

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 2014 cycle, condemnation A shrunk and is now smaller than the 1998 impairment. The reopened area was partially delisted (Category 2C). It shrank further in the 2018 cycle.

The Stutts Creek condemnations merged and expanded back to the 1997 extent in the 2020 cycle.

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 condemnation notice 61B, 4/4/1997.	4A	Fecal Coliform	1998	L	0.034
PIAMH					
VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 061A, 4/4/1997.	4A	Fecal Coliform	1998	L	0.089
Merged with STT01A14 in the 2020 cycle.					
PIAMH					

Stutts Creek and Morris Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.123**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 2/21/2017 not included in 061A & 061B, 4/4/1997

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 037-061C, 2/21/2017

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 expansions is due in 2014.

During the 2012 cycle, the condemnation shortened and split into three sections (A, E, and F). In the 2014 cycle, the condemnations shrank again and one section converted to seasonally condemned; therefore, the opened area was partially delisted.

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.

It shrank considerably in the 2018 cycle. It expanded in the 2020 cycle.

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, 2/21/2017 not condemned on 4/4/1997.	4A	Fecal Coliform	2002	L	0.045

Expanded slightly in the 2020 cycle.

PIAMH

Morris Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.045**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-06-EBEN** **Edwards Creek**

Cause Location: Edwards Creek within VDH-DSS condemnation 197B, 1/21/1997

City / County: Mathews Co.

Use(s): Aquatic Life

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

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 (weight-of-evidence) at Coastal 2000 probabilistic monitoring station 7BEDW000.25.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_EDW02A98 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197B, 1/21/1997 open 2/21/2017.	5A	Estuarine Bioassessments	2018	L	0.041
Split in the 2020 cycle.					
PIAMH					
VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 2/11/2017 included in 197B, 1/21/1997.	5A	Estuarine Bioassessments	2018	L	0.006
PIAMH					

Edwards Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**0.047**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS SFC Number 042-157A, 8/6/2018

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.

In the 2018 cycle, the condemnation shrank considerably and was smaller than the TMDL area. The expansion was delisted; the reopened portion of the TMDL area was partially delisted (Category 2C.)

The condemnation expanded past the TMDL extent in the 2020 cycle. The expansion will be addressed in fact sheet C04E-46-SF.

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	4A	Fecal Coliform	2010	L	0.025
MOBPH					
VAP-C04E_NOR01A02 / North River / Described in condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream.	4A	Fecal Coliform	1998	L	0.317
Merged in the 2020 cycle.					
MOBPH					

North River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.342**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH-DSS condemnation 042-157D, 8/6/2018

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.	4A	Fecal Coliform	2014	L	0.023

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/6/2018 not included in 157B, 6/3/1997

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH-DSS condemnation 042-157D, 8/6/2018

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, 8/6/2018 not included in 157B, 6/3/1997.	4A	Fecal Coliform	2014	L	0.009

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 042-157C, 8/6/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 042-157C, 8/6/2018

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.

During the 2012 cycle, VDH Shellfish Condemnation 042-157C, 6/17/2007 shortened and the downstream portion was reopened for harvest (042-157, 6/30/2010); it was partially delisted (Category 2C). The closed portion is assessed as a Category 4A water.

The condemned area grew slightly in the 2014 and 2016 cycles. It shrank again in the 2020 cycle and a portion converted to seasonally condemned.

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 condemnation notice 042-157C, 8/6/2018.	4A	Fecal Coliform	1998	L	0.056

Size reduced in the 2020 cycle.

MOBPH

Back Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.056**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 041-092A, 9/24/2018

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.

In the 2010 cycle, the condemned area included the original 1998 impairment plus an expanded mainstem portion, Woodas Creek, and two tributaries. The 1998 portion is considered Category 4A.

Note: The TMDLs for the four expansions are due in 2020 and were addressed in fact sheets C04E-48-SF through C04E-51-SF. The condemnations shrank in the 2014 cycle and the two tributaries were delisted. The condemnation expanded again during the 2016 cycle.

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.	4A	Fecal Coliform	1998	L	0.198

MOBPH

East River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.198**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 that was not included in 5B, 6/5/1996.

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 041-005A, 9/24/2018

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, 9/24/2018 not included in 5B, 6/5/1996.	4A	Fecal Coliform	1998	L	0.077

Size reduced slightly in the 2020 cycle.

MOBPH

Put In Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.077**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 Condemnations 039-026A and 039-026E, 3/3/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH condemnation notices 039-026A and -026E, 3/3/2018

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 condemnation notices 039-026A and -026E, 3/3/2018.	4A	Fecal Coliform	1998	L	0.191

Expanded and merged in the 2020 cycle.

CB6PH

Horn Harbor and Horn Harbor, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.191**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-21-SF** **XFE - Piankatank River, UT (aka Kibble Pond)**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 036-197B, 2/21/2017

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 0136-197B, 2/21/2017

The condemnation is nested in the Edwards Creek Shellfish TMDL, which was developed in the Milford Haven and Gwynn Island Shellfish TMDL report. The report 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_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/21/2017.	4A	Fecal Coliform	2016	L	0.016

PIAMH

XFE - Piankatank River, UT (aka Kibble Pond) **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.016**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 9/24/2018.

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 041-005B, 9/24/2018

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, 9/24/2018.	4A	Fecal Coliform	2016	L	0.005

MOBPH

Put In Creek, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.005**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 3/8/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation 037-099B, 3/8/2018

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 the condemnation notice 037-099B, 3/8/2018.	4A	Fecal Coliform	2002	L	0.025

PIAMH

Winder Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.025**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-27-SF** **Winter Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 038-178B, 2/28/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 038-178B, 2/28/2018

The condemnation 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.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 2/28/2018.	4A	Fecal Coliform	2018	L	0.108

CB6PH

Winter Harbor, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.108**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 2/21/2017

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation 036-197C, 2/21/2017

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.

The condemnation expanded in the 2020 cycle.

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, 2/21/2017.	4A	Fecal Coliform	2008	L	0.047

Expanded in the 2020 cycle.

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 037-099B, 3/8/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 036-099C, 3/8/2018

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 037-099C, 3/8/2018.	4A	Fecal Coliform	2008	L	0.002

PIAMH

Lanes Creek, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.002**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 Number 038-178A, 2/28/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 038-178A, 2/28/2018

The condemnation 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.

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 condemnation 038-176A, 2/28/2018.	4A	Fecal Coliform	2018	L	0.247

Segment expanded in the 2020 cycle.

CB6PH

Winter Harbor **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.247**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-32-SF** **Horn Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 039-026B, 3/3/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 039-026B, 3/3/2018

The impairment is nested in the upstream Horn Harbor 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_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026B, 3/3/2018.	4A	Fecal Coliform	2018	L	0.005

CB6PH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-33-SF** **Borum Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 039-026C, 3/3/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 039-026C, 3/3/2018

The impairment is nested in the upstream Horn Harbor 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_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/3/2018.	4A	Fecal Coliform	2018	L	0.028

CB6PH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-34-SF** **Edwards Creek**

Cause Location: Portion of VDH-DSS condemnation notice 036-197D, 2/11/2017 included in 197B, 1/21/1997.

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 036-197D, 2/11/2017

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 will be 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, 2/11/2017 included in 197B, 1/21/1997.	4A	Fecal Coliform	2020	L	0.006

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-35-SF** **Queens Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 037-099D, 3/8/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 037-099D, 3/8/2018

The impairment will be considered 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 condemnation notice 037-099D, 3/8/2018.	4A	Fecal Coliform	2020	L	0.019

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 039-099E, 3/8/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 037-099E, 3/8/2018

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 condemnation notice 037-099E, 3/8/2018.	4A	Fecal Coliform	2020	L	0.020

PIAMH

Lanes Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.020**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 037-061E, 2/21/2017

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 037-061E, 2/21/2017

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 037-061E, 2/21/2017.	4A	Fecal Coliform	2020	L	0.016

PIAMH

Hudgins Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.016**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-38-SF** **Stutts Creek, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 037-061D, 2/21/2017

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 037-061D, 2/21/2017

The tributary 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 037-061D, 2/21/2017.	4A	Fecal Coliform	2020	L	0.009

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 2/21/2017.

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 037-061B, 2/21/2017

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 will be 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 2/21/2017.	4A	Fecal Coliform	2020	L	0.044

PIAMH

Billups Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.044**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-40-SF** **Billups Creek**

Cause Location: Portion of VDH-DSS condemnation notice 037-061B, 2/21/2017 open on 204, 4/4/1997.

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 037-061B, 2/21/2017

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 original extent is addressed in C04E-39-SF.

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, 2/21/2017 open on 4/4/1997.	4A	Fecal Coliform	2020	L	0.006

PIAMH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-41-SF** **Winter Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 038-178C, 2/28/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 038-178C, 2/28/2018

The condemnation is proposed for nesting 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.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WIN01C20 / Winter Harbor / Described in VDH-DSS Condemnation 038-178C, 2/28/2018.	4A	Fecal Coliform	2020	L	0.030

CB6PH

Winter Harbor, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.030**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 9/24/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 041-212A, 9/24/2018

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, 9/24/2018.	4A	Fecal Coliform	2008	L	0.025

MOBPH

Weston Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.025**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-43-SF** **Horn Harbor, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 039-026D, 3/3/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 039-026D, 3/3/2018

The impairment is nested in the upstream Horn Harbor 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_HAH02C20 / Horn Harbor / Described in VDH-DSS condemnation 039-026D, 3/3/2018.	4A	Fecal Coliform	2020	L	0.037

CB6PH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-45-SF** **Sloop Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 040-085B, 9/24/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 040-085B, 9/24/2018

Sloop Creek is proposed for nesting within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL 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-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085B, 9/24/2018.	4A	Fecal Coliform	2020	L	0.028

Size reduced in the 2020 cycle.

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-46-SF** **North River**

Cause Location: Portion of VDH Notice and Description of Shellfish Condemnation Number 042-157A, 8/6/2018 not included in condemnation 157A, 6/3/1997

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Condemnation 042-157A, 8/6/2018

The upstream portion of the North River was included on the 1998 303(d) list due to VDH Shellfish Condemnation 157A, 6/3/1997 (see fact sheet C04E-08-SF.) 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 2020 cycle. The expansion will be considered nested (Category 4A.)

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 8/6/2018 not included on the 6/3/1997 condemnation.	4A	Fecal Coliform	2020	L	0.044

Size reduced in the 2020 cycle.

MOBPH

North River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.044**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-47-SF** **Belleville Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 042-157B, 8/6/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 042-157B, 8/6/2018

Belleville Creek 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 Shellfish Condemnation 042-157B, 8/6/2018.	4A	Fecal Coliform	2008	L	0.037

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 9/24/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Shellfish Condemnation 041-092B, 9/24/2018

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 for the expansions are due in 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 the condemnation notice 041-092B, 9/24/2018.	4A	Fecal Coliform	2008	L	0.029

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 9/24/2018 not included in 92, 1/3/1995 or 041-092D, 10/28/2008

City / County: Mathews Co.

Use(s): Shellfishing

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

Portion of VDH-DSS Shellfish Condemnation 041-092A, 9/24/2018

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 has expanded and contracted multiple times; however, only the original impairment was addressed. The 1998 portion is considered Category 4A. The TMDLs for the expansion is due in 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 expanded slightly in the 2016 cycle. Contracted again in the 2020 cycle.

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, 9/24/2018 open in 92, 1/3/1995.	4A	Fecal Coliform	2008	L	0.036

Size reduced in the 2020 cycle.

MOBPH

East River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.036**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/6/2018

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 042-157E, 8/6/2018

Toddsbury Creek is proposed for nesting 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, 8/6/2018.	4A	Fecal Coliform	2020	L	0.020

MOBPH

Toddsbury Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.020**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 042-157F, 8/6/2018

City / County: Gloucester Co. Mathews Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 042-157F, 8/6/2018

The impairment is proposed for nesting 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 / Described in VDH-DSS condemnation 042-157F, 8/6/2018.	4A	Fecal Coliform	2020	L	0.021

MOBPH

North River, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.021**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-53-BAC** **Whites Creek - Festival Beach**

Cause Location: Whites Creek at Festival Beach

City / County: Mathews Co.

Use(s): Recreation

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

During the 2012 cycle, Whites Creek at Festival Beach was mistakenly impaired of the Recreation Use due to seven short-term swimming advisories during the 2010 swim season. The advisories were limited to 1-3 days in length and therefore were not appropriate for listing.

During the 2016 and 2018 cycles, there were no beach closures of a week or more duration. However, there were two exceedances of the bacteria geometric mean during the 2016 cycle therefore the beach remained listed.

In the 2020 cycle, there were two geomean exceedances and five swimming advisories of short duration.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	5A	Enterococcus	2012	L	0.046

PIAMH

Whites Creek - Festival Beach **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.046**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04E-54-SF** **Davis Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 040-085A, 9/24/2018

City / County: Mathews Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 040-085A, 9/24/2018

The impairment is nested within the neighboring Davis Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008. It is considered Category 4A.

It expanded slightly in the 2020 cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018.	4A	Fecal Coliform	2012	L	0.013

Expanded slightly in the 2020 cycle.

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04R-01-BAC** **East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Recreation

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

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.

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04R-01-DO** **East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Aquatic Life

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C04R-01-PH** **East River**

Cause Location: Nontidal mainstem of the East River.

City / County: Mathews Co.

Use(s): Aquatic Life

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co. Mathews Co.

Use(s): Recreation

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

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; therefore, 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.

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	4A	Enterococcus	2012	L	0.025

MOBPH

Burke Mill Stream **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.025**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 043-096A, 8/6/2018

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 the condemnation notice 96B, 8/12/1996.	4A	Fecal Coliform	1998	L	0.085
MOBPH					
VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A	Fecal Coliform	1998	L	0.257
MOBPH					

Ware River / Fox Mill Run **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.342**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/6/2018 not included in 096A and 096B, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 043-096A, 8/6/2018

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 shrank in the 2020 cycle.

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, 8/6/2018 not included in condemnation 96A and 96B, 8/12/1996.	4A	Fecal Coliform	2002	L	0.168

Shortened in the 2020 cycle.

MOBPH

Ware River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.168**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 043-096B, 8/6/2018

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 DEQ developed the Bacteria TMDL for only 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 the condemnation notice 106, 8/12/1996.	4A	Fecal Coliform	1998	L	0.033

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 8/6/2018 not included in 106, 8/12/1996

City / County: Gloucester Co.

Use(s): Shellfishing

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

Portion of VDH Shellfish Condemnation 043-096B, 8/6/2018

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.

The impairment 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.

The condemnation has varied in size in the 2016 - 2020 cycles.

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, 8/6/2018 not included in condemnation notice 106, 8/12/1996.	4A	Fecal Coliform	2002	L	0.142

Size reduced in the 2020 cycle.

MOBPH

Wilson Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.142**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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 the condemnation notice 096A, 8/12/1996.	4A	Enterococcus	2018	L	0.257

MOBPH

Ware River **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.257**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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	6.96

Fox Mill Run **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**6.96**

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co.

Use(s): Recreation

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

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. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL; therefore, an additional TMDL was deemed not necessary. 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.

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, 5/30/2018, excluding tributary XEE. Size increased in the 2020 cycle. MOBPH	5A	Enterococcus	2010	L	0.127
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 5/30/2018. Size reduced in the 2020 cycle. MOBPH	5A	Enterococcus	2016	L	0.167
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented MOBPH	5A	Enterococcus	2016	L	0.441

Northwest Branch Severn River **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.735**		

Sources:

Non-Point Source Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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,5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 044-093B, 5/30/2018

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, 5/30/2018, excluding tributary XEE. Size increased in the 2020 cycle. 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:	**0.130**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C06E-02-SF** **Northwest Branch Severn River, UT**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 044-093D, 5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 044-093D, 5/30/2018

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).

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 044-093D, 5/30/2018.	4A	Fecal Coliform	2016	L	0.034

MOBPH

Northwest Branch Severn River, UT **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.034**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 044-093C, 5/30/2018

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). It shrank slightly in the 2018 cycle. It expanded again in the 2020 cycle but remains smaller than the TMDL extent.

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 the condemnation notice 044-093C, 5/30/2018.	4A	Fecal Coliform	2016	L	0.102

Expanded in the 2020 cycle.

MOBPH

Vaughans Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.102**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 Number 044-054B, 5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH DSS Shellfish Condemnation 044-054B, 5/30/2018

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 the condemnation notice 044-054B, 5/30/2018.	4A	Fecal Coliform	1998	L	0.081

MOBPH

Heywood Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.081**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 044-054A, 5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH DSS Shellfish Condemnation 044-054A, 5/30/2018

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).

The condemnation expanded slightly in the 2020 cycle, but remains smaller than the TMDL extent.

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 the condemnation notice 044-054A, 5/30/2018.	4A	Fecal Coliform	1998	L	0.063

Expanded slightly in the 2020 cycle.

MOBPH

Thorntons Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.063**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C06E-07-SF** **Monday Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation 045-125A, 12/12/2017

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS Condemnation 045-125A, 12/12/2017

A portion of Monday Creek was included on the 1998 303(d) list due to VDH Shellfish Condemnation 25A, 12/31/1996 (C06E-02-SF). The TMDL for the area was approved by the EPA on 6/7/2006 and by the SWCB on 3/23/2007. However, the condemnation was fully rescinded during the 2010 cycle (045-125, 12/11/2008) and the entire area was delisted (Category 2C).

An upstream portion was relisted in the 2018 cycle (Cat 4A).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/12/2017.	4A	Fecal Coliform	2018	L	0.053

MOBPH

Monday Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.053**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 5/30/2018

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH Shellfish Condemnation 044-093A,5/30/2018

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_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 5/30/2018.	4A	Fecal Coliform	2008	L	0.039

MOBPH

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

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 045-125B, 12/12/2017

City / County: Gloucester Co.

Use(s): Shellfishing

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

VDH-DSS condemnation 045-125B, 12/12/2017

Blevins Creek is proposed for nesting 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 045-125B, 12/12/2017.	4A	Fecal Coliform	2020	L	0.051

MOBPH

Blevins Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.051**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Gloucester Co.

Use(s): Recreation

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

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.

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:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C06R-02-BAC** **Northwest Branch of Severn River, UT**

Cause Location: The tidal portion of the tributary.

City / County: Gloucester Co.

Use(s): Recreation

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

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. The watershed requires a 98% reduction in bacterial loadings in order to meet the downstream TMDL; therefore, an additional TMDL is not necessary.

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	4A	Enterococcus	2012	L	0.003

MOBPH

Northwest Branch of Severn River, UT **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.003**		

Sources:

Non-Point Source

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City York Co.

Use(s): Recreation

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

The Recreation Use is not supporting due to Enterococcus concentrations exceeding the swimming indicator criteria (2 viol/5 obs). 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 20181018).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-01-PCB** **Chesapeake Bay & Tidal Tributaries VDH Fish Consumption Advisory for PCBs**

Cause Location: This cause encompasses the Chesapeake Bay & Tidal Tributaries within the lower bay.

City / County: Hampton City Poquoson City. York Co.

Use(s): Fish Consumption

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

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 (20181018) and 054-021 (20151102) 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. DSS shellfish condemnation # 054-215 M1 (Seasonal)(effective 20181018).	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, 20181018.	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 &M1 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.281
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 20180425).	5A	PCBs in Fish Tissue	2006	L	0.078
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 20180425).	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 20180425).	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	5A	PCBs in Fish Tissue	2006	L	0.209

Roberts Cr. and north of White House Cove. CBP Segment MOBPH. DSS (OPEN) Shellfish condemnation # 053-222 and M1(effective 20180425).					
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	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 20181018).	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 C(effective 20180425).	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 20180425).	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 20180425).	5A	PCBs in Fish Tissue	2006	L	0.042
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 20180425).	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 20181018. 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 & seasonal M2 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.408
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.560
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 & M1(effective 20180425).	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 (OPEN) shellfish condemnation # 053-222 (effective 20180511). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	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 20180425). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.042
VAT-C07E_FLY02A16 / Floyds Bay- mouth / Located in southeast corner of Bennett Cr, trib to Poquoson River. Area of York Haven	5A	PCBs in Fish Tissue	2006	L	0.010

Chesapeake Bay/Atlantic/Small Coastal Basins

Anchorage. Portion of DSS shellfish condemnation # 053-222 (effective 20180425). CBP Segment MOBPH.					
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20181018). 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 M1 (effective 20181018). 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 20181018).	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 20181018).	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 B (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.036
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
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 20181018). CBP Segment MOBPH.	5A	PCBs in Fish Tissue	2006	L	0.198
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 (OPEN) shellfish area # 054-215 (effective 20181018).	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) shellfish condemnation # 054-215 M2 (effective 20181018).	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 Restricted-condemnation # 053-137 (effective 20180425).	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 C (effective 20181018).	5A	PCBs in Fish Tissue	2006	L	0.025

Chesapeake Bay/Atlantic/Small Coastal Basins

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 OPEN condemnation # 054-021 (effective 20181018). 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 20180425).	5A	PCBs in Fish Tissue	2006	L	0.135
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 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.028
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20181018).	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 20181018).	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 20181018).	5A	PCBs in Fish Tissue	2006	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / 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 20180425).	5A	PCBs in Fish Tissue	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - 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 (effective 20180425).	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 20181018).	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 20181018).	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 20181018).	5A	PCBs in Fish Tissue	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	5A	PCBs in Fish Tissue	2006	L	0.248

shellfish condemnation # 054-021 A (less Cedar/Topping & Brick Kiln Creeks, effective 20181018). CBP Segment MOBPH.					
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 (OPEN) shellfish condemnation # 054-021 (effective 20181018).	5A	PCBs in Fish Tissue	2006	L	0.961
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 20180425).	5A	PCBs in Fish Tissue	2006	L	0.518
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.834
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 # 053-137 (effective 20180425).	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 20180425).	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 20180425).	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 20180425).	5A	PCBs in Fish Tissue	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 20181018).	5A	PCBs in Fish Tissue	2006	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20181018).	5A	PCBs in Fish Tissue	2006	L	0.568
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 20181018).	5A	PCBs in Fish Tissue	2006	L	0.413
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20181018).	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 20181018).	5A	PCBs in Fish Tissue	2006	L	0.034

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_THR01A10 / Sandbox Area NW Thorofare / Sandbox Area NW Thorofare Inlet near Goodwin Neck. CBP Segment MOBPH. DSS OPEN condemnation 053-051 (effective 20180425).	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 20181018).	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 (effective 20181018).	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. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20180425).	5A	PCBs in Fish Tissue	2006	L	0.145
VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	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 20181018).	5A	PCBs in Fish Tissue	2006	L	0.097

Chesapeake Bay & 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:	**16.028**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-01-SF** **Brick Kiln Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number #054-021A (effective 20181028).

City / County: Hampton City York Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. Covered under TMDL ID 31233, Back River Northwest Branch (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 20181018).	4A	Fecal Coliform	1998	L	0.086

Brick Kiln Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.086**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-02-BAC** **Newmarket Creek - Upper & 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.

City / County: Hampton City

Use(s): Recreation

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

The Recreation Use is impaired due to exceedance of the criteria for Enterococcus bacteria, extrapolated from data collected at the downstream station @ 7-NEW001.92 (1 viol. / 5 obs.) but there was no new data in the 2020 IR so the impairment will remain. Recreation and Shellfish bacteria impairments covered under TMDL for Back River (EPA TMDL ID = 31234, approved 8/2/2006, modified 4/24/2014, 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 20181018).	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 20181018).	4A	Enterococcus	2006	L	0.079

Newmarket Creek - Upper & 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)
- Source Unknown
- Wastes from Pets
- Waterfowl
- Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: York Co.

Use(s): Recreation

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

The Recreation Use is not supporting due to Enterococcus concentrations at station 7-POQ004.1 (21 violates / 31 obs.) 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 20180425).	4A	Enterococcus	1998	L	0.518

Poquoson River - Upper **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.518**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City

Use(s): Recreation

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

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_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 20181018).	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 20181018).	4A	Fecal Coliform	1998	L	0.413

SW Br Back R - DSS OPEN [TMDL] **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**1.119**		

Sources:

- Discharges from Municipal Separate Storm Sewer Systems (MS4)
- Source Unknown
- Wastes from Pets
- Waterfowl
- Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-05-BAC2** **Southwest Br. Back River - Mouth**

Cause Location: This cause encompasses the lower portion of the SW Branch Back River to the confluence with mainstem Back River.

City / County: Hampton City Poquoson City.

Use(s): Recreation

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

The Recreation Use is impaired based on data outside of the assessment window. Previous DEQ station showed impairment @7-SWB000.00 for Fecal Coliform bacteria (2002 IR, 2 violates / 7 obs).

Segment was nested in the 2014 IR however now based on the modified TMDL for Back River EPA approved 4/14/2014 this segment is included and no longer needs to be nested.

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 / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20181018).	4A	Fecal Coliform	2002	L	0.568

Southwest Br. Back River - Mouth **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.568**		

Sources:

- Discharges from Municipal Separate Storm Sewer Systems (MS4)
- Source Unknown
- Wastes from Pets
- Waterfowl
- Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on DSS Condemnation # 053-137 C (effective 20180425). 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 20180425).	4A	Fecal Coliform	1998	L	0.135
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 (effective 20180425).	4A	Fecal Coliform	2018	L	0.028

Lambs Creek - Poquoson River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.163**		

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		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: York Co.

Use(s): Shellfishing

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

Shellfish Use is impaired based on DSS Shellfish condemnation# 053-137 B (effective 20180425). 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 20180425).	4A	Fecal Coliform	2004	L	0.119

Patricks Creek - Poquoson River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-09-SF** **White House Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-222 C, 20180425.

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to portion of DSS Shellfish condemnation # 053-222 C & M1 (effective 20180425).

1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-09. Covered under TMDL for Poquoson River - Whitehouse Cove [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_WHH01A06 / White House Cove - Bennet Cr. Area / Located in York Haven Anchorage area, south of mouth of Poquoson R, CBP segment MOBPH. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20180425).	4A	Fecal Coliform	1998	L	0.145

White House Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.145**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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)

City / County: York Co.

Use(s): Shellfishing

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

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 &M1 (effective 20180425).	4A	Fecal Coliform	1998	L	0.281

Mainstem Back River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.281**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Rural (Residential Areas)	Wastes from Pets	Waterfowl
Wildlife Other than Waterfowl			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 20180425.

City / County: York Co.

Use(s): Shellfishing

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

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 20180425).	4A	Fecal Coliform	1998	L	0.518

Poquoson River - Upper [TMDL - CD]	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	**0.518**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-13-SF** **Long & Grunland Creeks**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-215 C, 20181018.

City / County: Hampton City

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS Shellfish condemnation.

1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-13. Covered under TMDL for Back River - Long & Grunland Creeks was EPA approved [25404] for Fecal Coliform 2/1/2018.

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 20181018).	4A	Fecal Coliform	2010	L	0.049
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20181018).	4A	Fecal Coliform	2010	L	0.043

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

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		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Hampton City

Use(s): Shellfishing

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

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_HAR01A06 / Harris River - Upper / South shore trib. to mainstem Back R. Adjacent to Fox Hill area. DSS shellfish condemnation # 054-215 A (effective 20181018). CBP Segment MOBPH.	4A	Fecal Coliform	1998	L	0.198

Harris River - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.198**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Marina/Boating Sanitary On-vessel Discharges

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Hampton City

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS Shellfish condemnation # 054-021 C. 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 C (effective 20181018).	4A	Fecal Coliform	1998	L	0.025

DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
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	Source Unknown	Wastes from Pets
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-17-SF** **Cedar & Topping Creeks**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 A, 20181018.

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS Shellfish condemnation.

1998 CD segment for shellfish (Attachment A, Category 3) VAT-C07E-17. Shellfish bacteria impairment covered under TMDL for Poquoson River - Cedar & Topping Creeks. TMDL EPA approve (VAT-C07E-18-SF & VAT-C07E-06)for Fecal Coliform [31207 & 31188] 2/1/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 20181018. CBP Segment MOBPH.	4A	Fecal Coliform	1998	L	0.109

Cedar & Topping Creeks **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.109**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-19-SF** **Tabbs Creek Mouth - NW Br Back River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 E(effective 20181018).

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is impaired based on DSS SF Condemnation # 054-021E (effective 20181018). Area included in the Back River TMDL EPA approved (VAT-C07E-19-SF) for Fecal Coliform [31206] 2/9/2018.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20181018).	4A	Fecal Coliform	2006	L	0.073

Tabbs Creek Mouth - NW Br Back River **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.073**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20181018

City / County: Hampton City

Use(s): Shellfishing

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

The Shellfishing Use is impaired based on shellfish condemnation # 054-215, effective 20181018.

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, 20181018.	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-21-SF** **Cedar & Topping Creeks and Northwest Br. Back River - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number #054-021A, 20181018.

City / County: Hampton City Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS Shellfish condemnation.
(less Cedar/Topping & Brick Kiln Creeks). Previously listed (2006 IR) under TMDL-ID: VAT-C07E-21. Covered under TMDL ID VAT-C07E-21-SF (31201), Back River, Northwest Branch, EPA approved [31201] for Fecal Coliform (VAT-C07E-21-SF) 11/2/2015.

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 20181018).	4A	Fecal Coliform	1998	L	0.220

Cedar & Topping Creeks and Northwest Br. Back River - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.220**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-22-SF** **Newmarket Creek trib and Southwest Branch (not including head waters downstream to Langley View) - Back River**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 B, 20181018.

City / County: Hampton City

Use(s): Shellfishing

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

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 20181018).	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 20181018).	4A	Fecal Coliform	1998	L	0.079
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 20181018).	4A	Fecal Coliform	1998	L	0.706

Newmarket Creek trib and Southwest Branch (not including head waters downstream to Langley View) - Back River	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	**0.859**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Source Unknown	Wastes from Pets	Waterfowl
Wildlife Other than Waterfowl			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-23-SF** **Chisman Creek - Upper & Goose Cr**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 053-221 A,B and # 054-215 C 20181018.

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation DSS condemnation # 053-221 A,B, M2 (effective 20181018). 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 & seasonal M2 (effective 20180425).	4A	Fecal Coliform	1998	L	0.408
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 & M1(effective 20180425).	4A	Fecal Coliform	2020	L	0.006
VAT-C07E_GOO01A14 / Goose Creek- Upper / From end of tidal waters to approx. River mile 0.27. DSS Shellfish condemnation # 053-221 B (effective 20180425).	4A	Fecal Coliform	1998	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 (effective 20180425).	4A	Fecal Coliform	2020	L	0.036

Chisman Creek - Upper & Goose Cr **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.515**		

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		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Poquoson City.

Use(s): Shellfishing

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

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 & Middle / 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 20180425).	4A	Fecal Coliform	2006	L	0.070

Lyons Creek - Upper, Middle **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.070**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Marina/Boating Sanitary On-vessel Discharges	Wastes from Pets	Waterfowl
Wildlife Other than Waterfowl			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180425).

City / County: Poquoson City.

Use(s): Shellfishing

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

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 20180425). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.042

Floyds Bay **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)	Marina/Boating Sanitary On-vessel Discharges	Urban Runoff/Storm Sewers	Wastes from Pets
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City Poquoson City.

Use(s): Aquatic Life

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

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 20181018). CBP Segment MOBPH.	5A	Estuarine Bioassessments	2010	L	0.248

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:	**0.248**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-33-SF** **Northwest Br. Back River - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 054-021 A, 20181018.

City / County: Hampton City Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS Shellfish condemnation. Shellfish bacteria impairment covered under TMDL for Back River - Northwest Branch was EPA approved [31201] for Fecal Coliform (VAT-C07E-21-SF) 2/9/2018.

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 20181018). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.248

Northwest Br. Back River - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.248**		

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on DSS Condemnation # 053-222 E (effective date 20160511). 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 20180425).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20181018).

City / County: Hampton City Poquoson City. York Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired based on the DSS Condemnation DSS Condemnation # 054-021 B (effective date 20181018). 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 20181018).	4A	Fecal Coliform	2012	L	0.097

Unsegmented estuaries in Back River - DSS **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-42-SF** **Front Cove - Lower**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number# 054-021 M1 (effective 20181018).

City / County: Poquoson City.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS shellfish harvesting area # 054-021 D (effective 20181018). 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 D (effective 20181018). CBP Segment MOBPH.	4A	Fecal Coliform	2006	L	0.042

Front Cove - Lower **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)
- Marina/Boating Sanitary On-vessel Discharges
- Wastes from Pets
- Waterfowl
- Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City

Use(s): Recreation

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

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)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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. DSS (OPEN)/Restricted condemnation # 053-221 M1(effec

City / County: Poquoson City.

Use(s): Recreation

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

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_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20180425).	4A	Enterococcus	2006	L	0.560
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 & M1(effective 20180425).	4A	Enterococcus	2006	L	0.006

Chisman Creek - Lower **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.566**		

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			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-45-SF** **Bay Tree Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number # 053-221 C (effective 20180425).

City / County: York Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired for Bay Tree Creek and nested within the Poquoson river Bacteria TMDL that was EPA approved 2/1/2018. This impairment is located within existing Poquoson River TMDL watershed with comparable land uses. The TMDL assigned load reductions based on land use types and will address new impairment for Bay Tree Creek. No new point sources associated with new shellfish impairment area.

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 C(effective 20180425).	4A	Fecal Coliform	2018	L	0.076

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

Sources:

Discharges from Municipal Separate Storm Sewer Systems (MS4)	Rural (Residential Areas)	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City Poquoson City.

Use(s): Aquatic Life

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

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 (OPEN) shellfish condemnation # 054-021 (effective 20181018).	5A	Estuarine Bioassessments	2018	L	0.961

Northwest Br. Back River - Lower **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**0.961**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-47-SF** **Boathouse Creek**

Cause Location: Described in VDH Notice and Description of DSS condemnation # 053-221 (effective 20180425).

City / County: York Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on VDH Notice and Description of DSS condemnation # 053-221 (effective 20180425).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_BTH01A08 / Boathouse Creek / Boathouse Creek (N of Poquoson R mouth) tributary to Chisman Creek. CBP Segment MOBPH. DSS condemnation # 053-221 (effective 20180425).	4A	Fecal Coliform	2020	L	0.042

Boathouse 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)

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C07E-50-SF** **Hodges Creek - Upper**

Cause Location: This cause encompasses the North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish Restricted-condemnation # 053-137 (effective 20180425).

City / County: York Co.

Use(s): Shellfishing

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

The Shellfishing use is now impaired due to the placement of a Restricted-condemnation #053-137 (20180425) in the 2020 IR cycle compared to the fully supporting rating in the 2018 IR cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish Restricted-condemnation # 053-137 (effective 20180425).	4A	Fecal Coliform	2020	L	0.047

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

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		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Hampton City Poquoson City.

Use(s): Aquatic Life

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

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 / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20181018).	5A	Estuarine Bioassessments	2020	L	0.568

Southwest Br. Back River **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**0.568**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: York Co.

Use(s): Aquatic Life Wildlife

Cause(s) / VA Category: Copper / 5A

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	257.68

Harwoods Mill Reservoir **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Copper - Total Impaired Size by Water Type:		**257.68**	

Sources:

Municipal (Urbanized High Density Area) Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: York Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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	257.68

Harwoods Mill Reservoir (PWS) **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		**257.68**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life Use is impaired based on data for DO at station 7-NEW005.44 with 3 viol / 12 obs.

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City

Use(s): Recreation

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

The Recreation Use is impaired based on E.coli data from station 7-NEW005.44 with 6 viol/ 12 obs. 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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Hampton City Poquoson City. York Co.

Use(s): Aquatic Life

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Aquatic Life

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

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 20180130)	5A	Estuarine Bioassessments	2008	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - 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, G (effective 20180130).	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 20180131).	5A	Estuarine Bioassessments	2008	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / 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 20180130).	5A	Estuarine Bioassessments	2008	L	0.075
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 20180130).	5A	Estuarine Bioassessments	2008	L	0.020
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 20180130).	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 20180130).	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 20180204).	5A	Estuarine Bioassessments	2008	L	0.385
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 20180130).	5A	Estuarine Bioassessments	2008	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent	5A	Estuarine Bioassessments	2008	L	0.061

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 (effective 20180130).					
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 20180130).	5A	Estuarine Bioassessments	2008	L	0.560
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 C,D,E,F,G,H, I,J,K,L, M (effective 20180130).	5A	Estuarine Bioassessments	2008	L	0.223
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
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 20180130).	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 # 071-227 A (effective 20180130).	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 # 071-227 M1 (effective 20180130).	5A	Estuarine Bioassessments	2008	L	0.155
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 B,C,D,E,F,G,H (effective 20180130).	5A	Estuarine Bioassessments	2008	L	0.072
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 20180206).	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 Condemned (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
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond /	5A	Estuarine Bioassessments	2008	L	0.198

Chesapeake Bay/Atlantic/Small Coastal Basins

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 A & M (effective 20180206) .

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
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:

Contaminated Sediments

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Fish Consumption

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

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	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.	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	0.631
VAT-C08E_CBB02B20 / North Community 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	0.044
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, 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	0.433
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	1.041
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 20180130).	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 20180130).	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 20180204).	5A	PCBs in Fish Tissue	2006	L	0.385

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20180130).	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 (effective 20180130).	5A	PCBs in Fish Tissue	2006	L	0.061

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:	**3.832**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C08E-03-BAC** **Thalia Creek, Thurston Branch & 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).

City / County: Virginia Beach City

Use(s): Recreation

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

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 & Buchanan Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.286**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Recreation

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

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C08E-07-BAC** **West Neck Creek (Upper) & 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

City / County: Virginia Beach City

Use(s): Recreation

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

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) & Canal #2 **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.124**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180130).

City / County: Virginia Beach City

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 071-095 E (effective 20180130). 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- Upper / 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 20180130).	4A	Fecal Coliform	1998	L	0.075

Dey Cove/Mill Dam Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.075**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Shellfishing

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

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 20180204).	4A	Fecal Coliform	1998	L	0.385
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:	**0.541**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

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	M	0.140

Sara Constance Park, East End **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.140**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C08E-16-BAC** **Chicks Beach**

Cause Location: This cause encompasses the area along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

The Recreation Use is not supported based on data from the VDH Beach Monitoring Program and joint VDH-DEQ assessment review at Chicks Beach Station VA718451. There is 1 geo mean viol in Sept of 2014 out of 24 obs within the 2020 IR. 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 as well as the 2020 IR cycle.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2016	L	0.433

Chicks Beach **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.433**		

Sources:

Wet Weather Discharges (Non-Point Source)

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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# 071-227 A effective 20180130

City / County: Virginia Beach City

Use(s): Shellfishing

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

The Shellfish Use is impaired based on the Condemnation # 071-227 A effective 20180130. 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 # 071-227 A (effective 20180130).	4A	Fecal Coliform	2016	L	0.035

Little Neck Creek-Lower [Condemned SF]	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shellfishing			
Fecal Coliform - Total Impaired Size by Water Type:	**0.035**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C08E-19-SF** **Linkhorn Bay-Upper**

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 20180130).

City / County: Virginia Beach City

Use(s): Shellfishing

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

The Shellfish Use is now impaired based on the VDH DSS Restricted-condemn # 071-010 effective date 20180130.

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 (effective 20180130).	4A	Fecal Coliform	2020	L	0.061

Linkhorn Bay-Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.061**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

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, in cities of Norfolk and Virginia Beach. Portion of CBP segment CB8PH. No DSS shellfish direct harvesting condemnations present.	5A	Enterococcus	2020	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 M1 (effective 20180130).

City / County: Virginia Beach City

Use(s): Shellfishing

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

Shellfish Use is impaired based on DSS shellfish direct harvesting Restricted-condemnation# 071-010 M1 (effective 20180130).

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 # 071-227 M1 (effective 20180130).	4A	Fecal Coliform	2020	L	0.155

Little Neck Creek-Lower **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.155**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Virginia Beach City

Use(s): Recreation

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

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 20180206).	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Recreation

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Aquatic Life

Cause(s) / VA Category: Chlorophyll-a / 5A

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	482.28

Lake Whitehurst **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Chlorophyll-a - Total Impaired Size by Water Type:		**482.28**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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	482.28

Lake Whitehurst **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		**482.28**	

Sources:

Residential Districts Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Fish Consumption

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

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	482.28

Lake Whitehurst **Fish Consumption**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Mercury in Fish Tissue - Total Impaired Size by Water Type:		**482.28**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Fish Consumption

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

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	482.28

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:		**482.28**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Aquatic Life

Cause(s) / VA Category: Phosphorus, Total / 5A

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	482.28

Lake Whitehurst **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Phosphorus, Total - Total Impaired Size by Water Type:		**482.28**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Chlorophyll-a / 5A

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	199.79

Little Creek Reservoir **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Chlorophyll-a - Total Impaired Size by Water Type:		**199.79**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Fish Consumption

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

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	199.79

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:		**199.79**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Phosphorus, Total / 5A

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	199.79

Little Creek Reservoir **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Phosphorus, Total - Total Impaired Size by Water Type:		**199.79**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Chlorophyll-a / 5A

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Phosphorus, Total / 5A

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Fish Consumption

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

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	54.39

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:		**54.39**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Fish Consumption

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

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	54.39

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:		**54.39**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Norfolk City

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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	15.62

Lake Wright **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:		**15.62**	

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C08R-01-BAC** **Little Neck Creek**

Cause Location: Lower Little Neck Creek - Beach Garden Park

City / County: Norfolk City Virginia Beach City

Use(s): Recreation

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 / Bullbegger 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.	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the portion of DSS condemnation # 075-033 A (effective 20180725) 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 20180725).	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 20180725).	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:

Source Unknown | Upstream Source | Wastes from Pets | Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180725).	4A	Enterococcus	2006	L	0.240

Pocomoke River **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.240**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180725).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C09E-10-SF** **Pocomoke River & Sound; Holdens Creek**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 075-033 A (effective 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the portion of DSS condemnation # 075-033 A (effective 20180725). 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_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 20180725).	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 20180725).	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 20180725).	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 20180725).	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 20180725).	4A	Fecal Coliform	1998	L	1.452

Pocomoke River & Sound; Holdens Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**2.502**		

Sources:

Livestock (Grazing or Feeding Operations)

Source Unknown

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

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

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 (effective 20180725).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A

The Aquatic Life Use is impaired due to low dissolved oxygen at station 7-XAE001.42 (10 violates / 35 obs.; 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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired (10 violate / 34 obs.) at station 7-XAE001.42 due to exceedance of the instantaneous criteria for E.coli bacteria. Previous (2006 IR) Use Flag ID = VAT-C09R-02.

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: pH / 5A

The Aquatic Life Use is impaired due to low pH (5 violates / 35 obs.; 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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180725).	5A	Enterococcus	2006	L	0.301

Muddy Creek - Upper **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.301**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

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. Split from VACB-C10E-TAN.	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-03-SF** **Pocomoke Sound**

Cause Location: This cause encompasses the assessment unit VACB-C10E_POC01B18.

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

VDH DSS condemnation #075-033 (Restricted) effective 7/11/2016

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	5B	Fecal Coliform	2018	L	2.480

Pocomoke Sound **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**2.480**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180725).	4A	Fecal Coliform	1998	L	0.042

Messongo Creek - Upper **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.042**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-07-BAC** **Hunting Creek - Upper & Lower**

Cause Location: This cause encompasses Hunting Creek - Upstream portion, from end of tidal waters downstream to mouth. Portion of CBP segment POCMH.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180620).	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 20170620).	4A	Enterococcus	2006	L	0.648

Hunting Creek - Upper & Lower **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.842**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 20170620.

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 077-138 A (effective 20170620).

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 20170620).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-11-SF** **Deep Creek - Middle & Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 077-138 C ,20170620.

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 077-138 C (effective 20170620). 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 20170620).	4A	Fecal Coliform	1998	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper / 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 20170620).	4A	Fecal Coliform	2018	L	0.114

Deep Creek - Middle & Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.273**		

Sources:

Livestock (Grazing or Feeding Operations)	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	Source Unknown	Wastes from Pets

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 076-176 A (effective 20180725). 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 / 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 20180725).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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. No DSS shellfish direct harvesting condemnation.	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-17-SF** **Messongo Creek - Upper & Middle**

Cause Location: Described in VDH Notice and description of Shellfish Condemnation # 076-167 A effective date 20180725.

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfish use is now impaired based on the Restricted Condemnation # 076-167 A effective date 20180725. The shellfish impairment is nested in the 2018 IR with the Recreation -Fecal Coliform Messongo Cr EPA approved TMDL 6/11/2008 Proj # 213. Nesting is possible for a SF into a Rec Impairment because the TMDL: 1) The Fecal Source was represented in the Recreation TMDL by using the downstream boundary source :estuary and the bay boundary.

2) The standard for the SF Messongo Cr TMDL approved in 2006 (P# 732) of 14 and 49 MPN/100ml was used as the boundary station for the impaired segment addressed in the Recreation TMDL (213).

3) Reductions required in the Rec TMDL: 100 % redux of human sources, loading from livestock, and pets and 97% redux from wildlife"

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 20180725).	4A	Fecal Coliform	1998	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20180725).	4A	Fecal Coliform	2006	L	0.156

Messongo Creek - Upper & Middle **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.197**		

Sources:

- Livestock (Grazing or Feeding Operations)
- Unpermitted Discharge (Domestic Wastes)
- Wastes from Pets
- Waterfowl
- Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

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

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 20180620).	4A	Fecal Coliform	1998	L	0.194

Hunting Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.194**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The shellfish use is impaired based on the Restricted Condemnation# 076-176 B(effective 20180725). 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_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 20180725).	5B	Fecal Coliform	2006	L	0.301

Muddy Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.301**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-21-SF** **Guilford Creek - Lower**

Cause Location: Northeast of Town of Guilford. Lower portion of creek, from end of DSS condemnation downstream to mouth. Portion of CBP segment POCMH. DSS shellfish Restricted-condemnation direct harvesting condemnation # 076-176 (effective 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing use is no longer supporting in the 2020 IR cycle due to a Restricted-condemnation (20180725) in the area.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 Restricted-condemnation direct harvesting condemnation # 076-176 (effective 20180725).	4A	Fecal Coliform	2020	L	0.106

Guilford Creek - Lower **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.106**		

Sources:

Impacts from Land Application of Wastes	Livestock (Grazing or Feeding Operations)	Marina/Boating Sanitary On-vessel Discharges	Non-Point Source
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Recreation

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

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 20180725).	4A	Enterococcus	2020	L	0.050

Holdens Creek - Lower **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.050**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180725).

City / County: Accomack Co.

Use(s): Recreation

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

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-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20180725).	4A	Fecal Coliform	2006	L	0.156

Messongo Creek - Middle **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.156**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-24-SF** **Messongo Creek - Middle [No TMDL]**

Cause Location: Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS Restricted condemnation # 076-167 (effective 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

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

Shellfish Use is impaired based on the DSS Restricted-condemnation # 076-167 (effective 20180725).

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 Restricted condemnation # 076-167 (effective 20180725).	4A	Fecal Coliform	2020	L	0.341

Messongo Creek - Middle [No TMDL] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.341**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 (effective 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfishing Use is impaired based on the DSS Restricted-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20180725).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 Restricted condemnation # 076-176 (effective 20180725).	5B	Fecal Coliform	2020	L	0.048

Muddy Creek - Lower **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.048**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-26-SF** **Starling Creek**

Cause Location: 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 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfish Use is impaired based on Restricted-condemnation #075-118 (20180725) .

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 20180725).	5B	Fecal Coliform	2020	L	0.091

Starling Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.091**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-27-SF** **Young Creek**

Cause Location: Northeast of Town of Guilford and south of Jobes Island. Portion of CBP segment POCMH. DSS (OPEN) shellfish direct harvesting condemnation # 076-176 (effective 20180725).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS Restricted-condemnation # 076-176 (effective 20180725).

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 (effective 20180725).	4A	Fecal Coliform	2020	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 Restricted-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20180725).	4A	Fecal Coliform	2020	L	0.172

Young Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.243**		

Sources:

Impacts from Land Application of Wastes	Livestock (Grazing or Feeding Operations)	Marina/Boating Sanitary On-vessel Discharges	Non-Point Source
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10E-28-SF** **Pompco Creek**

Cause Location: Inlets of unnamed island on the eastern portion of Pompco Creek. Portion of CBP segment CB7PH.Shellfishing Restricted Condemnation (20180614).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

Shellfish Use is impaired based on the DSS Restricted-condemnation # 079-112 (effective 20180614).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C10E_PMC01A20 / Pompco Creek / Inlets of unnamed island on the eastern portion of Pompco Creek. Portion of CBP segment CB7PH.Shellfishing Restricted Condemnation (20180614).	5B	Fecal Coliform	2020	L	0.011

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use impairment is retained based on exceedances of the criteria for E.coli bacteria (1 viol / 7 obs.) at station 7-XAZ000.30. Previously station violation rate was 4 viol / 11 obs. 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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired based on exceedances of the criteria for E.coli bacteria (4viol / 11 obs.) in 2012 IR downstream station 7-XAZ000.30 and now has 1 viol / 7 obs. 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	1.40

Unnamed tributary from Tyson Foods **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.40**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic Macroinvertebrates Bioassessments / 4B

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. Benthic impairment assessment is based on VCPMI scores [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. This assessment was done with the recently validated Virginia Coastal Plain Macroinvertebrate Index, which is calculated based on a maximum score of 100.

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		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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic Macroinvertebrates Bioassessments / 4B

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 [2016: 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		1.40

Unnamed tributary from Tyson Foods **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**1.40**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use remains impaired due to exceedance of the criteria for E.coli bacteria @ 7-SBB000.17 (15 violates / 34 obs). The Recreation Use is covered under a TMDL for bacteria in the stream segment [35941] 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	1.29

Sandy Bottom Branch **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.29**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C10R-02-CU** **Sandy Bottom Branch**

Cause Location: This cause encompasses the entirety of Sandy Bottom Branch downstream to the confluence with Holdens Creek.

City / County: Accomack Co.

Use(s): Aquatic Life Wildlife

Cause(s) / VA Category: Copper / 4B

The Aquatic Life and Wildlife Uses are impaired due to exceedance of the freshwater acute criteria for copper. Freshwater acute criteria for copper exceeded in monitoring @ 7-SBB000.17 (2 violates / 5 obs., during 2000 & 2001).

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.	4B	Copper	2002		1.29

Sandy Bottom Branch **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Copper - Total Impaired Size by Water Type:			**1.29**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

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	0.85

Guilford Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**0.85**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use impairment is retained for this Assessment. 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_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:	**0.021**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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 20180327).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C11E-11-SF** **Chesconessex Creek - South Br. - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number# 079-112 A (effective 20180620).

City / County: Accomack Co.

Use(s): Shellfishing

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

DSS shellfish direct harvesting condemnation # 079-112 A (effective 20180620). 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 20180620).	4A	Fecal Coliform	1998	L	0.109

Chesconessex Creek - South Br. - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.109**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C11E-12-SF** **Finneys Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number # 080-013 B (effective 20180327).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation# 080-013 B (effective 20180327). Covered under TMDL (31237) "Finneys Creek", VAT-C11E-01-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_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 B (effective 20180327).	4A	Fecal Coliform	1998	L	0.069

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 C (effective 20180327).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to DSS shellfish direct harvesting condemnation # 080-013 C (effective 20180327).

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 C (effective 20180327).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180327).

City / County: Accomack Co.

Use(s): Shellfishing

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

Shellfishing Use is now impaired in the 2018 IR based on the DSS shellfish condemnation # 080-013 A (effective 20180327).

Some area outside of TMDL is nested within the TMDL (25414) Onancock Creek, North Branch", VAT-C11E-04-SF, EPA approved 8/2/2006. Additional SF is within tidal range and TMDL watershed boundary. The additional area has similar land use and will be adequately addressed in the existing reductions called for in 88% reductions for Mainstem Onancock Cr with 100 % reductions for pet and human and 62% reductions for wildlife.

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 end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20180327).	4A	Fecal Coliform	2010	L	0.097

Onancock Creek Mainstem - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.097**		

Sources:

On-site Treatment Systems (Septic Systems and Similar Decentralized Systems)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 # 079-112 OPEN(effective 20150708).

City / County: Accomack Co.

Use(s): Shellfishing

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

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 OPEN(effective 20150708).	4A	Fecal Coliform	2020	L	0.100

Chesconessex Creek - South Br. - Middle **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.100**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The SF use is now impaired based on the DSS shellfish direct harvesting Restricted-condemnation # 080-013 (effective 20180327).

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 20180327).	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C11E-26-SF** **Parkers Creek - Middle**

Cause Location: 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 (effective 20180327).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The SF use is now impaired based on the DSS shellfish direct harvesting Restricted-condemnation # 080-013 (effective 20180327).

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 (effective 20180327).	5B	Fecal Coliform	2020	L	0.041

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C11E-27-SF** **Unsegmented estuaries in C11E.**

Cause Location: Portion of Pompco Creek that includes the southwest inlet of the Tobacco Island bay. VDH DSS Restricted-Condemnation #079-112 (20180614).

City / County: Accomack Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

VDH DSS Restricted-Condemnation #079-112 (20180614).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C11E_PMC02B20 / Unsegmented estuaries in C11E. / Portion of Pompco Creek that includes the southwest inlet of the Tobacco Island bay. VDH DSS Restricted-Condemnation #079-112 (20180614).	5B	Fecal Coliform	2020	L	0.010

Unsegmented estuaries in C11E. **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.010**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use impairment is based on the 2014 data collected at station 7-JOY000.59 with 2 viol / 9 obs. Previously this impairment had been maintained since the data collected was from 2005-2006 with an exceedance of the criteria for E.coli bacteria (4 violates / 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	H	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C12E-10-SF** **Pungoteague Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number # 081-119 B (effective 20180321).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS condemnation# 081-119 B (effective 20180321). 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 20180321).	4A	Fecal Coliform	1998	L	0.232

Pungoteague Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.232**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180321.

City / County: Accomack Co.

Use(s): Shellfishing

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

DSS shellfish condemnation # 081-119 C 20180321. 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 20180321).	4A	Fecal Coliform	1998	L	0.130

Taylor Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.130**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180321).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS condemnation # 081-119 A (effective 20180321). 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 20180321).	4A	Fecal Coliform	2006	L	0.070

Underhill Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.070**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired based on Restricted-condemnation # 081-119 M1 (effective 20180321).

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 &M1 (effective 20180321).	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:	**0.033**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

The Aquatic Life Use impairment is due to monitored impacts to the stream's benthic population. Assessment is based on biological benthic monitoring with VCPMI [2013: S=17.3 & 2010: S=11.9, F=9.7] at 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	Benthic Macroinvertebrates Bioassessments	2004	L	0.90

Taylor Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**0.90**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

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.

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired based on E. coli data (4 viol / 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	0.90

Taylor Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**0.90**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Recreation Use is impaired based on Enterococcus bacteria data which exceeded the criteria. (5 violate / 29 obs.) at DEQ (AQM) station @ 7-NSS001.62. Use ID = VAT-C13E-02. 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 20181115).	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:

Animal Feeding Operations (NPS)	Livestock (Grazing or Feeding Operations)	Wastes from Pets	Waterfowl
Wildlife Other than Waterfowl			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20161013).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on the DSS shellfish direct harvesting condemnation # 085-185 B (effective 20161013).
Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-11.
Portion of AU is 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_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 2018115).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code: **C13E-11-SF2** **Church Creek - Middle, UT North Cove**

Cause Location: This cause encompasses the area of Elliotts Neck. Tributary to Church Creek - Middle, UT North Cove. Portion of CBP segment.

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is impaired due to the DSS shellfish direct harvesting condemnation # 085-185 A (effective 20181115). 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 A (effective 20181115).	4A	Fecal Coliform	2004	L	0.059

Church Creek - Middle, UT North Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.059**		

Sources:

Livestock (Grazing or Feeding Operations)

Wastes from Pets

Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Northampton Co.

Use(s): Shellfishing

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

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C13E-13-SF** **Holly Grove Cove- Upper & Kelley Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number # 085-110 E (effective 20181115).

City / County: Northampton Co.

Use(s): Shellfishing

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

DSS shellfish direct harvesting condemnation # 085-110 E (effective 20181115). 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 / 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 20181115).	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 D (effective 20181115).	4A	Fecal Coliform	1998	L	0.026

Holly Grove Cove- Upper & Kelley Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.168**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20181115).

City / County: Northampton Co.

Use(s): Shellfishing

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

DSS shellfish direct harvesting condemnation # 085-110 B(effective 20181115). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-14. 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 20181115).	4A	Fecal Coliform	1998	L	0.205

Nassawadox Creek - Upper [TMDL-bact.] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.205**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

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

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 the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20190107).	4A	Fecal Coliform	1998	L	0.538

Occohannock Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.538**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C13E-18-SF** **McLean Gut - Upper**

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 20181115).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 082-160 B (effective 20181115). Previous Use ID (2006 IR) as TMDL ID: VAT-C13E-18. 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_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 20181115).	4A	Fecal Coliform	1998	L	0.038

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

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180321).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 082-160 A & C (effective 20180321). 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 20180321).	4A	Fecal Coliform	1998	L	0.144

Nandua Creek - Upper [TMDL-bact.] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.144**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20181115).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 085-110 A & C (effective 20181115). 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 20181115).	4A	Fecal Coliform	2008	L	0.126

Nassawadox Creek - Middle, N. Shore Tribs **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.126**		

Sources:

Livestock (Grazing or Feeding Operations)	Wastes from Pets	Waterfowl	Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C13E-22-SF** **Shields Cove & Fisher Cove**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation # 084-043 B & C (effective 20190107).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 084-043 B & C (effective 20190107).

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 20180107).	4A	Fecal Coliform	2008	L	0.087

Shields Cove & Fisher Cove **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.087**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co. Northampton Co.

Use(s): Aquatic Life

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

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	2.31

Taylor Branch - Occohannock Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**2.31**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Fecal Coliform impairment is retained from the 2006 IR as there are no Enterococci bacteria data to verify the assessment status. The Recreation Use is impaired based on exceedance (5 violates / 9 obs.) of the Fecal Coliform bacteria criteria (from 2006 IR) based on data from station 7-HUG004.40. NESTED: 35546, 4/30/2010

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 Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20181003).	4A	Fecal Coliform	1998	L	0.138

Hungars Creek - Upper **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.138**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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, 20181003.

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation # 086-136 A. Previous (2006 IR) TMDL ID = VAT-C14E-01. No TMDL.

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 Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20181003).	4A	Fecal Coliform	1998	L	0.138

Hungars Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.138**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 C (effective 20181003).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to DSS shellfish direct harvesting condemnation. The Shellfishing Use is impaired based on the DSS 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 C (effective 20181003).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Northampton Co.

Use(s): Shellfishing

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

DSS shellfish direct harvesting condemnation # 087-174 A (effective 20150827). 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 20150827).	4A	Fecal Coliform	1998	L	0.090

The Gulf - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.090**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Northampton Co.

Use(s): Shellfishing

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

Portion DSS shellfish direct harvesting condemnation # 085-199 A (effective 20181115). 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 20181115).	4A	Fecal Coliform	1998	L	0.019

Westerhouse Creek - Upper and Middle South Branch [TMDL] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.019**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 E (effective 20150827).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

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

Shellfish Use is impaired based on DSS shellfish direct harvesting condemnation # 086-136 E (effective 20150827).

Not covered under TMDL for "Hungars Creek Watershed" (34370) EPA approved 4/30/2008. However will nest in 2016 since SF impairment is within tidal range of Hungars Creek TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL.

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 E (effective 20181003).	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:	**0.039**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C14E-19-SF** **Hungars Creek - Northern Trib**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 086-136 D (effective 20150827).

City / County: Accomack Co. Northampton Co.

Use(s): Shellfishing

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

DSS shellfish direct harvesting condemnation # 086-136 D (effective 20150827).

Not covered under TMDL for "Hungars Creek Watershed" (34370) EPA approved 4/30/2008. However will nest since SF impairment is within tidal range of Hungars Creek TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL. Segment was NESTED in the 2014 IR: 34370, 4/30/2008.

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 D (effective 20181003).	4A	Fecal Coliform	2014	L	0.073

Hungars Creek - Northern Trib **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.073**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C14E-20-SF** **Upper Westerhouse Creek - North Branch & Upper Middle [TMDL]**

Cause Location: In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting Restricted-condemnation # 085-199 (20181115).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfish Use is now impaired based on the DSS shellfish direct harvesting Restricted-condemnation # 085-199 (effective 20181115).

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 Restricted-condemnation # 085-199 (20181115).	4A	Fecal Coliform	2020	L	0.030

Upper Westerhouse Creek - North Branch & Upper Middle [TMDL] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.030**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Northampton Co.

Use(s): Shellfishing

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

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 (20180821).	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:	**0.093**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C15E-14-SF** **Cherrystone Inlet - Eyrehall Cr**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 088-139 B(20161227).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

Shellfish Use is impaired based on newly restricted area SF with DSS Condemnation # 088-139 B effective date 20161227. No TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherrystone Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B(20180821).	5B	Fecal Coliform	2018	L	0.103

Cherrystone Inlet - Eyrehall Cr **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.103**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C15E-15-SF** **Cherrystone Inlet - Upper**

Cause Location: From Eyreville Neck end of tidal waters downstream to the mouth of the inlet. Portion of CBP segment CB7PH. DSS shellfish Restricted-condemnation # 088-139 (20180821).

City / County: Northampton Co.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

The Shellfishing Use is impaired due to DSS shellfish direct harvesting condemnation # 088-139 (20180821).

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 Restricted-condemnation # 088-139 (20180821).	5B	Fecal Coliform	2020	L	0.243

Cherrystone Inlet - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.243**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 20180822).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation # 090-152 A (effective 20180822). 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 20180822).	4A	Fecal Coliform	1998	L	0.044

Old Plantation Creek - Upper [TMDL] **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.044**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* C16E-10-SF2** **Old Plantation Creek - Upper**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation Number 090-152 A,B,C 12/22/2015.

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting due to the DSS shellfish harvesting condemnation # 090-152 A,B,C (effective 20151222). This impairment is NOT covered under TMDL for "Old Plantation and Elliot Creeks" (33771) VAT-C16E-10-SF, EPA approved 8/30/2007.However the impairment was nested in 2014 IR since SF impairment is within tidal range of Old Plantation and Elliot Creeks TMDL, newly impaired segments are comparable and all existing sources are accounted for in the TMDL.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
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 shellfish direct harvesting condemnation # 090-152 A (effective 20180822).	4A	Fecal Coliform	2008	L	0.152

Old Plantation Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.152**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* CB5MH-DO-BAY** **Chesapeake Bay segment CB5MH**

Cause Location: This cause encompasses the complete CBP segment CB5MH.

City / County: Chesapeake Bay - County Wide Lancaster Co. Northumberland Co.

Use(s): Aquatic Life Deep-Water Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A Dissolved Oxygen / 4D

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.

In the 2020 cycle, CB5MH fails the 30-day summer Open Water dissolved oxygen criteria. The rest-of-year 30-day mean criteria is met and there is insufficient information to assess other frequencies.

In previous cycles, portions of the mesohaline Chesapeake Bay estuary and applicable small tributaries failed the Deep Water Subuse's summer 30-day mean dissolved oxygen criterion. The estuary passes the criteria in the 2020 cycle and the subuse will be partially delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, CB5MH is considered Category 4A.

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. HUC: 02080101.	4A	Dissolved Oxygen	2004	L	185.846
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/28/2018. Expanded in the 2020 cycle. CB5MH	4A	Dissolved Oxygen	2020	L	0.058
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/28/2018. Expanded in the 2020 cycle. CB5MH	4A	Dissolved Oxygen	2020	L	0.005
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/28/2018. CB5MH	4A	Dissolved Oxygen	2020	L	0.013
VAP-C01E_ANT02A08 / Antipoison Creek / Downstream of condemnation notice 017-188, 12/25/2018 not otherwise segmented. Split in the 2020 cycle. CB5MH	4A	Dissolved Oxygen	2020	L	0.162
VAP-C01E_ANT02B12 / Antipoison Creek / Described in VDH-DSS condemnation 017-188M1, 12/16/2014 CB5MH	4A	Dissolved Oxygen	2020	L	0.007
VAP-C01E_ANT02C20 / Antipoison Creek / Described in VDH-DSS condemnation 017-188S116, 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.132

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH

VAP-C01E_ANT02D20 / Antipoison Creek, UT / Described in VDH-DSS Condemnation 014-188S117, 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.049

CB5MH

VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS condemnation 016-024D, 1/28/2005	4A	Dissolved Oxygen	2016	L	0.056

CB5MH

VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220H, 4/1/2014.	4A	Dissolved Oxygen	2020	L	0.052

CB5MH

VAP-C01E_BAL01A02 / Ball Creek / Portion of VDH condemnation notice 014-124B, 6/2/1997 open in 014-124, 5/4/2018	4A	Dissolved Oxygen	2020	L	0.041

Split in the 2020 cycle.

CB5MH

VAP-C01E_BAL01B20 / Ball Creek / Described in VDH condemnation notice 014-124B, 5/4/2018.	4A	Dissolved Oxygen	2020	L	0.039

CB5MH

VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS SFC 124B, 6/2/1997, downstream to its mouth.	4A	Dissolved Oxygen	2020	L	0.128

CB5MH

VAP-C01E_BAR01A98 / Barrett Creek / Described in the condemnation notice, 013-08S80, 5/1/2018.	4A	Dissolved Oxygen	2020	L	0.066

Size increased in the 2020 cycle.

CB5MH

VAP-C01E_BAR02A08 / Barrett Creek / Described in VDH-DSS SFC 013-089S81, 5/1/2018	4A	Dissolved Oxygen	2020	L	0.018

Size increased in the 2020 cycle.

CB5MH

VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006.	4A	Dissolved Oxygen	2002	L	0.042

CB5MH

VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	4A	Dissolved Oxygen	2006	L	0.064

CB5MH

VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/1/2018 not included in 89B, 5/28/1997.	4A	Dissolved Oxygen	2006	L	0.113

CB5MH

VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/1/2018.	4A	Dissolved Oxygen	2020	L	0.082

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH

VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	4A	Dissolved Oxygen	2020	L	0.095

CB5MH

VAP-C01E_BRS01A08 / Barnes Creek / Described in VDH-DSS condemnation 016-057C, 12/13/2006.	4A	Dissolved Oxygen	2008	L	0.225

Split in the 2020 cycle.

CB5MH

VAP-C01E_BRS01B20 / Barnes Creek / Portion of VDH-DSS condemnation 12/13/2006 within 016-057S111, 12/28/2018.	4A	Dissolved Oxygen	2008	L	0.006

CB5MH

VAP-C01E_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 12/28/2018.	4A	Dissolved Oxygen	2008	L	0.110

CB5MH

VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	4A	Dissolved Oxygen	2020	L	0.018

CB5MH

VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015	4A	Dissolved Oxygen	2020	L	0.023

CB5MH

VAP-C01E_CLE01A98 / Cloverdale Creek / Described in the condemnation notice 014-124A, 6/2/1997.	4A	Dissolved Oxygen	2020	L	0.021

CB5MH

VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997.	4A	Dissolved Oxygen	2020	L	0.055

CB5MH

VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.612

CB5MH

VAP-C01E_COC03A98 / Cockrell Creek / Described in the condemnation notice. VDH-DSS SFC 012-002C, 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.035

CB5MH

VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.272

CB5MH

VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 8/28/2018	4A	Dissolved Oxygen	2020	L	0.198

Segment split in the 2020 cycle.

CB5MH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005, downstream to mouth at Fleet Point.	4A	Dissolved Oxygen	2020	L	0.152
CB5MH					
VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/1/2018.	4A	Dissolved Oxygen	2020	L	0.019
CB5MH					
VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018	4A	Dissolved Oxygen	2020	L	0.019
CB5MH					
VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011	4A	Dissolved Oxygen	2020	L	0.016
CB5MH					
VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/3/2018.	4A	Dissolved Oxygen	2020	L	0.091
CB5MH					
VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/3/2018.	4A	Dissolved Oxygen	2016	L	0.189
CB5MH					
VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/3/2018	4A	Dissolved Oxygen	2018	L	0.009
CB5MH					
VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	4A	Dissolved Oxygen	2006	L	0.816
CB5MH					
VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012.	4A	Dissolved Oxygen	2020	L	0.019
CB5MH					
VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer Creek.	4A	Dissolved Oxygen	2020	L	0.190
Expanded in the 2020 cycle.					
CB5MH					
VAP-C01E_DYM01B14 / Dymer Creek / Portion of VDH-DSS SFC 016-024A 1/28/2005 not condemned 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.091
Shrank and renamed in the 2020 cycle.					
CB5MH					
VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented.	4A	Dissolved Oxygen	2016	L	0.497

Chesapeake Bay/Atlantic/Small Coastal Basins

Split in the 2020 cycle.

CB5MH

VAP-C01E_DYM02B20 / Dymer Creek / Dymer Creek mainstem within 016-024S112, 12/28/2018 and not located within VDH-DSS SFC 016-024A 1/28/2005.	4A	Dissolved Oxygen	2016	L	0.098

CB5MH

VAP-C01E_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island	4A	Dissolved Oxygen	2006	L	0.090

CB5MH

VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.	4A	Dissolved Oxygen	2002	L	5.177

CB5MH

Size adjusted in 2006 cycle.

VAP-C01E_GEO01A98 / Georges Cove / Portion of condemnation notice 016-024E, 1/28/2005 not closed 12/28/2018.	4A	Dissolved Oxygen	2016	L	0.016

Split in the 2020 cycle.

CB5MH

VAP-C01E_GEO01B20 / Georges Cove / Described in condemnation notice 016-024B, 12/28/2018.	4A	Dissolved Oxygen	2016	L	0.018

CB5MH

VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220S84, 5/1/2018	4A	Dissolved Oxygen	2006	L	0.075

Segment expanded in the 2020 cycle.

CB5MH

VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.118

Size expanded in the 2020 cycle.

VAP-C01E_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream	4A	Dissolved Oxygen	2020	L	0.268

CB5MH

VAP-C01E_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 5/1/2018 not included in 089A, 5/28/1997.	4A	Dissolved Oxygen	2020	L	0.131

Segment adjusted slightly in the 2020 cycle.

CB5MH

VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed	4A	Dissolved Oxygen	2020	L	0.058

CB5MH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 5/1/2018, downstream to Rogue Point unless otherwise segmented.	4A	Dissolved Oxygen	2006	L	2.046
CB5MH					
VAP-C01E_GWR02B06 / Great Wicomico River / As described in VDH-DSS Shellfish Condemnation 013-089M2, 5/1/2018	4A	Dissolved Oxygen	2016	L	0.017
CB5MH					
VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/1/2018	4A	Dissolved Oxygen	2006	L	0.008
CB5MH					
VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 5/1/2018	4A	Dissolved Oxygen	2006	L	0.008
CB5MH					
VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089S82, 5/1/2018	4A	Dissolved Oxygen	2006	L	0.033
CB5MH					
VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.	4A	Dissolved Oxygen	2006	L	5.761
CB5MH					
VAP-C01E_GWR03B16 / Great Wicomico River / Described in VDH-DSS condemnation 013-220D, 5/1/2018	4A	Dissolved Oxygen	2020	L	0.004
CB5MH					
VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.022
CB5MH					
VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123B, 5/9/2016.	4A	Dissolved Oxygen	2020	L	0.045
CB5MH					
VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057C, 12/28/2018.	4A	Dissolved Oxygen	2006	L	0.041
Expanded in the 2020 cycle.					
CB5MH					
VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/19/2016.	4A	Dissolved Oxygen	2006	L	0.009
Split in the 2020 cycle.					
CB5MH					
VAP-C01E_HEN01C20 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 included in 016-057S111, 12/28/2018.	4A	Dissolved Oxygen	2006	L	0.020

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_HEN02A14 / Henrys Creek / Downstream of 016-057C, 1/28/2005	4A	Dissolved Oxygen	2006	L	0.103
CB5MH VAP-C01E_HHB01A98 / Horn Harbor / Described in the condemnation notice 013-089D, 5/1/2016.	4A	Dissolved Oxygen	2020	L	0.071
CB5MH VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005.	4A	Dissolved Oxygen	2016	L	0.040
CB5MH VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream.	4A	Dissolved Oxygen	2020	L	0.020
CB5MH VAP-C01E_IND01A98 / Indian Creek / Pitmans Cove / Portion of VDH-DSS condemnation notice 016-057A, 12/28/2018 that is not administratively condemned. Expanded and merged in the 2020 cycle.	4A	Dissolved Oxygen	2016	L	0.331
CB5MH VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/28/2018.	4A	Dissolved Oxygen	2016	L	0.037
CB5MH VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 seasonally condemned on 12/28/2018. Size reduced in the 2020 cycle.	4A	Dissolved Oxygen	2016	L	0.042
CB5MH VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057D, 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.015
CB5MH VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	4A	Dissolved Oxygen	2002	L	0.495
CB5MH VAP-C01E_IND03B06 / Indian Creek / Portion of VDH-DSS Seasonal Shellfish Condemnation 016-057S110, 12/28/2018 not addressed in the TMDL. Expanded in the 2020 cycle.	4A	Dissolved Oxygen	2002	L	0.122
CB5MH VAP-C01E_JAR01A02 / Jarvis Creek, UT / As described in the condemnation notice 015-022F, 5/5/2014.	4A	Dissolved Oxygen	2020	L	0.026

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH

VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/3/2018.	4A	Dissolved Oxygen	2020	L	0.016

CB5MH

VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations	4A	Dissolved Oxygen	2020	L	0.200

CB5MH

VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	4A	Dissolved Oxygen	2016	L	0.029

CB5MH

VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005	4A	Dissolved Oxygen	2020	L	0.015

CB5MH

VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.	4A	Dissolved Oxygen	2020	L	0.010

CB5MH

VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006.	4A	Dissolved Oxygen	2020	L	0.017

CB5MH

VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/3/2018.	4A	Dissolved Oxygen	2020	L	0.087

Expanded slightly in the 2020 cycle.

CB5MH

VAP-C01E_LTB01A02 / Little Bay / Little Bay	4A	Dissolved Oxygen	2020	L	1.178

CB5MH

VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the condemnation notice 011-190B, 7/24/2014.	4A	Dissolved Oxygen	2020	L	0.049

CB5MH

VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997.	4A	Dissolved Oxygen	2020	L	0.241

CB5MH

VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram Bay	4A	Dissolved Oxygen	2006	L	1.173

CB5MH

VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/4/2018 not included in the notice 123, 6/2/1997.	4A	Dissolved Oxygen	2020	L	0.027

Size reduced in the 2020 cycle.

CB5MH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnation to Ingrams Bay.	4A	Dissolved Oxygen	2020	L	0.464
CB5MH					
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018.	4A	Dissolved Oxygen	2020	L	0.018
CB5MH					
VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016.	4A	Dissolved Oxygen	2020	L	0.024
CB5MH					
VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnations 011-122B, 8/28/2018 and 011-122C, 8/31/2016.	4A	Dissolved Oxygen	2020	L	0.076
CB5MH					
VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.037
CB5MH					
VAP-C01E_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016.	4A	Dissolved Oxygen	2020	L	0.073
CB5MH					
VAP-C01E_OYS01A08 / Oyster Creek / Described in VDH condemnation 018-053A, 1/4/2005	4A	Dissolved Oxygen	2020	L	0.103
CB5MH					
VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220S85, 5/1/2018	4A	Dissolved Oxygen	2020	L	0.009
CB5MH					
VAP-C01E_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/3/2018 to its mouth.	4A	Dissolved Oxygen	2016	L	0.159
CB5MH					
VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/3/2018.	4A	Dissolved Oxygen	2016	L	0.014
CB5MH					
VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997.	4A	Dissolved Oxygen	2020	L	0.015
CB5MH					
VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010	4A	Dissolved Oxygen	2020	L	0.025
CB5MH					
VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016	4A	Dissolved Oxygen	2020	L	0.209

Chesapeake Bay/Atlantic/Small Coastal Basins

Segment expanded and merged in the 2020 cycle.

CB5MH

VAP-C01E_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 not condemned on 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.025

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TBS02A00 / Tabbs Creek / Portion of VDH-DSS SFC 016-133S115, 12/18/2018 that is downstream of 016-133, 12/13/2006.	4A	Dissolved Oxygen	2006	L	0.121

Split in the 2020 cycle.

CB5MH

VAP-C01E_TBS02B20 / Tabbs Creek / Portion of VDH-DSS SFC 016-133, 12/13/2006 within 016-133S115, 12/28/2018.	4A	Dissolved Oxygen	2006	L	0.054

CB5MH

VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	4A	Dissolved Oxygen	2020	L	0.083

CB5MH

VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 5/1/2018 not included in 89C, 5/28/1997	4A	Dissolved Oxygen	2020	L	0.013

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123M1, 5/4/2018.	4A	Dissolved Oxygen	2020	L	0.027

CB5MH

VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190C, 10/10/2012	4A	Dissolved Oxygen	2020	L	0.021

CB5MH

VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	4A	Dissolved Oxygen	2020	L	0.069

CB5MH

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/1/2018 not included in 89E, 5/28/1997	4A	Dissolved Oxygen	2006	L	0.008

CB5MH

VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	4A	Dissolved Oxygen	2020	L	0.041

CB5MH

VAP-C01E_WHY02A20 / Whays Creek / Downstream of	4A	Dissolved Oxygen	2020	L	0.041

condemnation notice 089D, 4/3/2002 within condemnation 013-220S83, 5/1/2018.					
CB5MH					
VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 013-220S83, 5/1/2018.	4A	Dissolved Oxygen	2020	L	0.058
Split in the 2020 cycle.					
CB5MH					
VAP-C01E_XDL01A02 / XDL - Great Wicomico River, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 8/28/2018.	4A	Dissolved Oxygen	2020	L	0.018
CB5MH					
VAP-C01E_XDZ01A10 / XDZ - Mill Creek, UT (Gascony Cove) / Tidal limit to mouth at Mill Creek	4A	Dissolved Oxygen	2020	L	0.028
VAP-C01E_XEO01A10 / XEO - Reason Creek, UT / Described in VDH-DSS Condemnation 013-220E, 5/1/2018	4A	Dissolved Oxygen	2020	L	0.001
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/3/2018.	4A	Dissolved Oxygen	2018	L	0.029
CB5MH					
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997.	4A	Dissolved Oxygen	2020	L	0.011
CB5MH					
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	4A	Dissolved Oxygen	2020	L	0.007
CB5MH					
VAP-C01E_XEW01A14 / XEW - Chesapeake Bay, UT / Tidal limit to mouth	4A	Dissolved Oxygen	2020	L	0.022
VAP-C01E_XFC02C12 / XFC - Antipoison Creek, UT / Described in VDH-DSS condemnation 017-188D, 12/28/2018.	4A	Dissolved Oxygen	2020	L	0.002
CB5MH					
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022F, 5/3/2018.	4A	Dissolved Oxygen	2020	L	0.013
CB5MH					
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03.	4A	Dissolved Oxygen	2020	L	0.058
CB5MH					
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04.	4A	Dissolved Oxygen	2020	L	0.823
CB5MH					
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05.	4A	Dissolved Oxygen	2020	L	0.034

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH

Chesapeake Bay segment CB5MH **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	**211.983**		

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
Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Chesapeake Bay - County Wide Lancaster Co. Northumberland Co.

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged Aquatic Vegetation acres goal is 7,633 acres but only 38% was attained found in the most recent 3 years according to aerial analysis of SAV. Only 69% of water clarity goal met according to 2013 and 2014 Dataflow surveys.

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. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	185.846
VAP-C01E_ANT01A98 / Antipoison Creek / Described in the condemnation notice 017-188A, 12/28/2018. Expanded in the 2020 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
VAP-C01E_ANT01B08 / Antipoison Creek, UT / Described in the condemnation notice 017-188C, 12/28/2018. Expanded in the 2020 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.005
VAP-C01E_ANT01C08 / Antipoison Creek, UT / Described in the condemnation notice 017-188B, 12/28/2018. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
VAP-C01E_ANT02A08 / Antipoison Creek / Downstream of condemnation notice 017-188, 12/25/2018 not otherwise segmented. Split in the 2020 cycle. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.162
VAP-C01E_ANT02B12 / Antipoison Creek / Described in VDH-DSS condemnation 017-188M1, 12/16/2014 CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
VAP-C01E_ANT02C20 / Antipoison Creek / Described in VDH-DSS condemnation 017-188S116, 12/28/2018. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.132
VAP-C01E_ANT02D20 / Antipoison Creek, UT / Described in VDH-DSS Condemnation 014-188S117, 12/28/2018. CB5MH	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
VAP-C01E_ASH01A10 / Ashleys Cove / Described in VDH-DSS	4A	Aquatic Plants (Macrophytes)	2006	L	0.056

Chesapeake Bay/Atlantic/Small Coastal Basins

condemnation 016-024D, 1/28/2005

CB5MH

VAP-C01E_BAI01A16 / Bailey Prong / Described in VDH-DSS condemnation 013-220H, 4/1/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.052

CB5MH

VAP-C01E_BAL01A02 / Ball Creek / Portion of VDH condemnation notice 014-124B, 6/2/1997 open in 014-124, 5/4/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

Split in the 2020 cycle.

CB5MH

VAP-C01E_BAL01B20 / Ball Creek / Described in VDH condemnation notice 014-124B, 5/4/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.039

CB5MH

VAP-C01E_BAL02A02 / Ball Creek / From VDH-DSS SFC 124B, 6/2/1997, downstream to its mouth.	4A	Aquatic Plants (Macrophytes)	2006	L	0.128

CB5MH

VAP-C01E_BAR01A98 / Barrett Creek / Described in the condemnation notice, 013-08S80, 5/1/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.066

Size increased in the 2020 cycle.

CB5MH

VAP-C01E_BAR02A08 / Barrett Creek / Described in VDH-DSS SFC 013-089S81, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.018

Size increased in the 2020 cycle.

CB5MH

VAP-C01E_BEL01A08 / Bells Creek / Described in VDH condemnation 016-057B, 12/13/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042

CB5MH

VAP-C01E_BLS01A02 / Balls Creek / Described in the condemnation notice 89B, 5/28/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.064

CB5MH

VAP-C01E_BLS02A08 / Balls Creek / Portion of condemnation notice 013-089F, 5/1/2018 not included in 89B, 5/28/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.113

CB5MH

VAP-C01E_BMC01A04 / Betts Mill Creek / Described in the VDH Shellfish Condemnation 013-089B, 5/1/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.082

CB5MH

VAP-C01E_BMS01A12 / Bush Mill Stream / Tidal limit to mouth at Great Wicomico River	4A	Aquatic Plants (Macrophytes)	2006	L	0.095

CB5MH

VAP-C01E_BRS01A08 / Barnes Creek / Described in VDH-DSS	4A	Aquatic Plants (Macrophytes)	2006	L	0.225

condemnation 016-057C, 12/13/2006.

Split in the 2020 cycle.

CB5MH

VAP-C01E_BRS01B20 / Barnes Creek / Portion of VDH-DSS condemnation 12/13/2006 within 016-057S111, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006

CB5MH

VAP-C01E_BRS01C20 / Barnes Creek / Described in VDH-DSS condemnation 016-057B, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.110

CB5MH

VAP-C01E_CHA01A08 / Dymer Creek, UT / Described in condemnation notice 016-024B, 12/30/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018

CB5MH

VAP-C01E_CHA01B12 / Chases Cove / Described in VDH-DSS condemnation notice 016-024D, 12/30/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.023

CB5MH

VAP-C01E_CLE01A98 / Cloverdale Creek / Described in the condemnation notice 014-124A, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

CB5MH

VAP-C01E_CLE02A06 / Cloverdale Creek / Downstream of condemnation notice 014-124A, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.055

CB5MH

VAP-C01E_COC01A98 / Cockrell Creek / As described in VDH-DSS Shellfish Condemnation 012-002B, 8/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.612

CB5MH

VAP-C01E_COC03A98 / Cockrell Creek / Described in the condemnation notice. VDH-DSS SFC 012-002C, 8/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.035

CB5MH

VAP-C01E_COC04A20 / Cockrell Creek / Portion of VDH-DSS Condemnation Notice 012-002A, 9/22/2005 open 8/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.272

CB5MH

VAP-C01E_COC04B10 / Cockrell Creek / VDH-DSS Condemnation Notice 012-002A, 8/28/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.198

Segment split in the 2020 cycle.

CB5MH

VAP-C01E_COC05A06 / Cockrell Creek / From VDH-DSS SFC 012-002A, 9/22/2005, downstream to mouth at Fleet Point.	4A	Aquatic Plants (Macrophytes)	2006	L	0.152

CB5MH

VAP-C01E_COL01A08 / Coles Creek / Described in VDH-DSS SFC 013-089C, 5/1/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_CRN01A06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220C, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
CB5MH VAP-C01E_CRN01B06 / Cranes Creek / Described in VDH-DSS Shellfish Condemnation 013-220M1, 8/9/2011	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
CB5MH VAP-C01E_DIV01A98 / Dividing Creek / Described in VDH-DSS condemnation 015-022A, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.091
CB5MH VAP-C01E_DIV01B12 / Dividing Creek / Portion of VDH-DSS condemnation 022, 2/27/1997 open on 015-022, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.189
CB5MH VAP-C01E_DIV01C14 / Dividing Creek, UT / VDH-DSS condemnation 015-022G, 5/3/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
CB5MH VAP-C01E_DIV03A00 / Dividing Creek / From the downstream limit of VDH-DSS SFC 022, 2/27/1997, to the mouth at Chesapeake Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	0.816
CB5MH VAP-C01E_DVN01A04 / Davenport Creek / Described in VDH Shellfish Condemnation 017-188A, 5/12/2012.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
CB5MH VAP-C01E_DYM01A98 / Dymer Creek / Described in VDH-DSS condemnation notice 016-024A, 12/28/2018 and portion of 016-024D, 12/28/2018 within mainstem Dymer Creek. Expanded in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.190
CB5MH VAP-C01E_DYM01B14 / Dymer Creek / Portion of VDH-DSS SFC 016-024A 1/28/2005 not condemned 12/28/2018. Shrank and renamed in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.091
CB5MH VAP-C01E_DYM02A00 / Dymer Creek / Dymer Creek downstream of VDH-DSS SFC 016-024A 1/28/2005, to start of deep water at Grog Island unless otherwise segmented. Split in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.497
CB5MH VAP-C01E_DYM02B20 / Dymer Creek / Dymer Creek mainstem within 016-024S112, 12/28/2018 and not located within VDH-DSS SFC 016-024A 1/28/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.098

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_DYM03A06 / Dymer Creek / Mouth of Dymer Creek at Grog Island	4A	Aquatic Plants (Macrophytes)	2006	L	0.090
CB5MH VAP-C01E_FLB01A00 / Fleets Bay / Fleets Bay north of Bluff Point at Barnes Creek south to Fleets Island.	4A	Aquatic Plants (Macrophytes)	2006	L	5.177
CB5MH Size adjusted in 2006 cycle. VAP-C01E_GEO01A98 / Georges Cove / Portion of condemnation notice 016-024E, 1/28/2005 not closed 12/28/2018. Split in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
CB5MH VAP-C01E_GEO01B20 / Georges Cove / Described in condemnation notice 016-024B, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
CB5MH VAP-C01E_GOU01A06 / Gougher Creek / Described in VDH-DSS Shellfish Condemnation 013-220S84, 5/1/2018 Segment expanded in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.075
CB5MH VAP-C01E_GSK01A10 / Gaskin Pond / As described in VDH-DSS condemnation 011-122A, 8/28/2018. Size expanded in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.118
VAP-C01E_GWR01A98 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is not administratively closed, excluding Head River Branch and Bush Mill Stream	4A	Aquatic Plants (Macrophytes)	2006	L	0.268
CB5MH VAP-C01E_GWR01B08 / Great Wicomico River / Blackwells Creek / Portion of condemnations 013-089A & 013-089G, 5/1/2018 not included in 089A, 5/28/1997. Segment adjusted slightly in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.131
CB5MH VAP-C01E_GWR01C10 / Great Wicomico River / Portion of condemnation notice 089A, 5/28/1997 which is administratively closed	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
CB5MH VAP-C01E_GWR02A00 / Great Wicomico River / From VDH-DSS SFC 013-089A, 5/1/2018, downstream to Rogue Point unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	2.046
CB5MH VAP-C01E_GWR02B06 / Great Wicomico River / As described in	4A	Aquatic Plants (Macrophytes)	2006	L	0.017

Chesapeake Bay/Atlantic/Small Coastal Basins

VDH-DSS Shellfish Condemnation 013-089M2, 5/1/2018

CB5MH

VAP-C01E_GWR02C06 / Great Wicomico River at Coles Creek / As described in VDH-DSS Shellfish Condemnation 013-089M1, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.008

CB5MH

VAP-C01E_GWR02D12 / Great Wicomico River / VDH-DSS SFC 013-089M3, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.008

CB5MH

VAP-C01E_GWR02E16 / Great Wicomico River, UT / Described in VDH-DSS condemnation 013-089S82, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.033

CB5MH

VAP-C01E_GWR03A06 / Great Wicomico River / From Rogue Point (GWR02A00) downstream to Ingram Bay at Dameron Marsh.	4A	Aquatic Plants (Macrophytes)	2006	L	5.761

CB5MH

VAP-C01E_GWR03B16 / Great Wicomico River / Described in VDH-DSS condemnation 013-220D, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.004

CB5MH

VAP-C01E_HAP01B10 / Harpers Creek / Described in VDH-DSS Condemnation 017-188E, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.022

CB5MH

VAP-C01E_HAV01A08 / Harveys Creek / Described in VDH Shellfish Condemnation 014-123B, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.045

CB5MH

VAP-C01E_HEN01A00 / Henrys Creek / Described in VDH condemnation 016-057C, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

Expanded in the 2020 cycle.

CB5MH

VAP-C01E_HEN01B14 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 open on 12/19/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.009

Split in the 2020 cycle.

CB5MH

VAP-C01E_HEN01C20 / Henrys Creek / Portion of VDH condemnation 016-057C, 1/28/2005 included in 016-057S111, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020

CB5MH

VAP-C01E_HEN02A14 / Henrys Creek / Downstream of 016-057C, 1/28/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.103

CB5MH

VAP-C01E_HHB01A98 / Horn Harbor / Described in the	4A	Aquatic Plants (Macrophytes)	2006	L	0.071

condemnation notice 013-089D, 5/1/2016.

CB5MH

VAP-C01E_HNT01A98 / Hunts Cove / Described in the condemnation notice 016-024B, 1/28/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040

CB5MH

VAP-C01E_HRB01A12 / Head River Branch / Tidal limit to mouth at Bush Mill Stream.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020

CB5MH

VAP-C01E_IND01A98 / Indian Creek / Pitmans Cove / Portion of VDH-DSS condemnation notice 016-057A, 12/28/2018 that is not administratively condemned.	4A	Aquatic Plants (Macrophytes)	2006	L	0.331

Expanded and merged in the 2020 cycle.

CB5MH

VAP-C01E_IND01B10 / Indian Creek / Administratively condemned portion of VDH-DSS condemnation notice 016-057A, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037

CB5MH

VAP-C01E_IND01C10 / Indian Creek / Downstream portion of condemnation notice 016-057A, 12/13/2006 seasonally condemned on 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042

Size reduced in the 2020 cycle.

CB5MH

VAP-C01E_IND02A98 / Indian Creek / Described in the condemnation notice 016-057D, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.015

CB5MH

VAP-C01E_IND03A00 / Indian Creek / Indian Creek from end of condemnation 016-057A, 12/13/2006, downstream to mouth unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.495

CB5MH

VAP-C01E_IND03B06 / Indian Creek / Portion of VDH-DSS Seasonal Shellfish Condemnation 016-057S110, 12/28/2018 not addressed in the TMDL.	4A	Aquatic Plants (Macrophytes)	2006	L	0.122

Expanded in the 2020 cycle.

CB5MH

VAP-C01E_JAR01A02 / Jarvis Creek, UT / As described in the condemnation notice 015-022F, 5/5/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026

CB5MH

VAP-C01E_JAR01B08 / Jarvis Creek / As described in VDH-DSS condemnation 015-022H, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016

CB5MH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_JAR02A10 / Jarvis Creek / Downstream of VDH condemnations	4A	Aquatic Plants (Macrophytes)	2006	L	0.200
CB5MH					
VAP-C01E_JOH01A06 / Johnson Creek / As described in VDH-DSS SFC 016-024C, 12/30/2015	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
CB5MH					
VAP-C01E_LEE01A02 / Lees Cove / As described in the condemnation notice 016-024C, 1/28/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
CB5MH					
VAP-C01E_LEE02A12 / Lees Cove / Portion of VDH-DSS SFC 016-024B, 12/16/2014 not impaired in 016-024C, 1/28/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
CB5MH					
VAP-C01E_LOC01A08 / Long Creek / Described in VDH condemnation 016-057D, 12/13/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.017
CB5MH					
VAP-C01E_LRC01A12 / Lawrence Cove / Described in the VDH-DSS condemnation 015-022B, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.087
Expanded slightly in the 2020 cycle.					
CB5MH					
VAP-C01E_LTB01A02 / Little Bay / Little Bay	4A	Aquatic Plants (Macrophytes)	2006	L	1.178
CB5MH					
VAP-C01E_LTM01A98 / Little Taskmakers Creek / Described in the condemnation notice 011-190B, 7/24/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
CB5MH					
VAP-C01E_MIL01A98 / Mill Creek / Described in the condemnation notice 123, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.241
CB5MH					
VAP-C01E_MIL01B06 / Mill Creek / Mouth of Mill Creek at Ingram Bay	4A	Aquatic Plants (Macrophytes)	2006	L	1.173
CB5MH					
VAP-C01E_MIL02A08 / Mill Creek / Portion of VDH Condemnation 014-123A, 5/4/2018 not included in the notice 123, 6/2/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027
Size reduced in the 2020 cycle.					
CB5MH					
VAP-C01E_MIL03A08 / Mill Creek / Middle Mill Creek downstream of condemnation to Ingrams Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	0.464
CB5MH					
VAP-C01E_NPC01A16 / Natty Point Cove / Described in VDH-DSS condemnation 015-022C, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018

Chesapeake Bay/Atlantic/Small Coastal Basins

CB5MH VAP-C01E_OHC01A08 / Old House Cove / Described in VDH-DSS SFC 015-022F, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
CB5MH VAP-C01E_OWP01A98 / Owens Pond / Downstream of VDH-DSS condemnations 011-122B, 8/28/2018 and 011-122C, 8/31/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.076
CB5MH VAP-C01E_OWP02B12 / Owens Pond / VDH-DSS condemnation 011-122B, 8/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
CB5MH VAP-C01E_OWP02C12 / Owens Pond / VDH-DSS condemnation 011-122C, 8/31/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.073
CB5MH VAP-C01E_OYS01A08 / Oyster Creek / Described in VDH condemnation 018-053A, 1/4/2005	4A	Aquatic Plants (Macrophytes)	2006	L	0.103
CB5MH VAP-C01E_PEN01A12 / Penny Creek / Described in VDH-DSS Condemnation 013-220S85, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
CB5MH VAP-C01E_PNT02A02 / Prentice Creek / Downstream of DSS condemnation 015-022E, 5/3/2018 to its mouth.	4A	Aquatic Plants (Macrophytes)	2006	L	0.159
CB5MH VAP-C01E_PNT02B10 / Prentice Creek / Downstream limit of DSS condemnation 022C & D, 2/27/1997 to limit of 015-022E, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
CB5MH VAP-C01E_PNT03A02 / Prentice Creek / Described in VDH-DSS condemnation notice 022D, 2/27/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
CB5MH VAP-C01E_REA01A10 / Reason Creek / Described in VDH-DSS condemnation 013-220C, 8/23/2010	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
CB5MH VAP-C01E_TBS01A98 / Tabbs Creek / Described in VDH-DSS condemnation notice 016-133A, 12/19/2016 Segment expanded and merged in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.209
CB5MH VAP-C01E_TBS01B10 / Tabbs Creek / Portion of the condemnation notice 016-133A, 12/13/2006 not condemned on 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025

Chesapeake Bay/Atlantic/Small Coastal Basins

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TBS02A00 / Tabbs Creek / Portion of VDH-DSS SFC 016-133S115, 12/18/2018 that is downstream of 016-133, 12/13/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.121

Split in the 2020 cycle.

CB5MH

VAP-C01E_TBS02B20 / Tabbs Creek / Portion of VDH-DSS SFC 016-133, 12/13/2006 within 016-133S115, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.054

CB5MH

VAP-C01E_TIP01A98 / Tipers Creek / Described in the condemnation notice 89C, 5/28/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.083

CB5MH

VAP-C01E_TIP02A08 / Tipers Creek / Portion of condemnation notice 013-089E, 5/1/2018 not included in 89C, 5/28/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.013

Size decreased in the 2020 cycle.

CB5MH

VAP-C01E_TOW01A06 / Towles Creek / Described in VDH-DSS Shellfish Condemnation 014-123M1, 5/4/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027

CB5MH

VAP-C01E_TSK01A14 / Taskmakers Creek / As described in VDH-DSS condemnation 011-190C, 10/10/2012	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

CB5MH

VAP-C01E_WCO01A98 / Warehouse Creek / Described in the condemnation notice 89E, 5/28/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.069

CB5MH

VAP-C01E_WCO02A08 / Warehouse Creek / Portion of VDH condemnation notice 013-220A, 5/1/2018 not included in 89E, 5/28/1997	4A	Aquatic Plants (Macrophytes)	2006	L	0.008

CB5MH

VAP-C01E_WHY01A98 / Whays Creek / Described in the condemnation notice 089D, 4/3/2002	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

CB5MH

VAP-C01E_WHY02A20 / Whays Creek / Downstream of condemnation notice 089D, 4/3/2002 within condemnation 013-220S83, 5/1/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

CB5MH

VAP-C01E_WHY03A10 / Whays Creek / Downstream of condemnation notice 013-220S83, 5/1/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.058

Chesapeake Bay/Atlantic/Small Coastal Basins

Split in the 2020 cycle.

CB5MH					
VAP-C01E_XDL01A02 / XDL - Great Wicomico River, UT (aka Big Fleets Pond) / As described in condemnation notice 011-190A, 8/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
CB5MH					
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 013-220E, 5/1/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.001
CB5MH					
VAP-C01E_XES01A12 / XES - Dividing Creek, UT / Described in the VDH-DSS condemnation 015-022D, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029
CB5MH					
VAP-C01E_XEU01A02 / XEU - Prentice Creek, UT / Described in VDH-DSS condemnation notice 022C, 2/27/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
CB5MH					
VAP-C01E_XEV01A12 / XEV - Mill Creek, UT / Described in VDH-DSS condemnation 014-123C, 5/9/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.007
CB5MH					
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, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002
CB5MH					
VAP-C01E_XUC01A98 / XUC - Dividing Creek, UT / Described in the condemnation notice 015-022F, 5/3/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013
CB5MH					
VAP-C01E_ZZZ01B14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB03.	4A	Aquatic Plants (Macrophytes)	2006	L	0.058
CB5MH					
VAP-C01E_ZZZ01C14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB04.	4A	Aquatic Plants (Macrophytes)	2006	L	0.823
CB5MH					
VAP-C01E_ZZZ01D14 / Unsegmented estuaries in C01 / Unsegmented portion of watershed CB05.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
CB5MH					

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:	**211.983**		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

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)	

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Chesapeake Bay - County N/a.

Use(s): Aquatic Life Deep-Water Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. The polyhaline Chesapeake Bay (CB6PH) segment failed the 30-day mean Open Water summer and rest-of-year 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.

During the 2014 cycle, applicable areas also failed the Deep Water summer 30-day mean dissolved oxygen criteria. The segment met in the 2016 cycle.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010.

Both the Open Water Subuse and Deep Water Subuse 30-day mean criteria were met in the 2018 cycle. The mainstem Bay must remain listed due to EPA's overlisting (Category 4A). However, the shallow tributaries were not overlisted and were partially delisted (Category 2C.)

The assessment remained the same in the 2020 cycle.

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. HUC: 02080101.	4A	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. HUC: 02080101.	4A	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**		

Sources:

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Chesapeake Bay - Counties: Mathews Co.

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged Aquatic Vegetation acres goal is 1,268 acres but only 48% was attained found in the most recent 3 years according to aerial analysis of SAV. Only 88% of water clarity goal met according to 2012 Dataflow survey (the other surveys out are outside of the assessment period.

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. HUC: 02080101.	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. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	160.307
VAP-C04E_BOR01A18 / Borum Creek / Described in VDH-DSS condemnation 039-026C, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.028
CB6PH					
VAP-C04E_DOC01A98 / Doctors Creek / Portion of VDH condemnation notice 26B, 2/25/1997 open in 039-026, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.010
CB6PH					
VAP-C04E_DOC01B14 / Doctors Creek / Described in VDH-DSS condemnation notice 039-026B, 3/7/2016.	4A	Aquatic Plants (Macrophytes)	2016	L	0.005
CB6PH					
VAP-C04E_DYE01A08 / Dyer Creek / Described in VDH-DSS Condemnation 039-100S76, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.019
Expanded slightly in the 2020 cycle.					
CB6PH					
VAP-C04E_DYE02A04 / Dyer Creek / Downstream limit of condemnation to mouth.	4A	Aquatic Plants (Macrophytes)	2016	L	0.268
CB6PH					
VAP-C04E_GDN01A06 / Garden Creek / Tidal limit to mouth.	4A	Aquatic Plants (Macrophytes)	2016	L	0.373
CB6PH					
VAP-C04E_HAH01A98 / Horn Harbor / Described in VDH condemnation notices 039-026A and -026E, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.191
Expanded and merged in the 2020 cycle.					

Chesapeake Bay/Atlantic/Small Coastal Basins

CB6PH

VAP-C04E_HAH01C12 / Horn Harbor / Portion of VDH-DSS condemnation 26A, 2/25/1997 not closed in the 039-026, 3/3/2018 condemnation.	4A	Aquatic Plants (Macrophytes)	2016	L	0.044

Size reduced and renamed in the 2020 cycle.

CB6PH

VAP-C04E_HAH02A02 / Horn Harbor / From VDH-DSS condemnation 26A, 2/25/1997 downstream to the mouth, unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2016	L	1.237

CB6PH

VAP-C04E_HAH02B12 / Horn Harbor and Horn Harbor, UT / Portion of VDH-DSS condemnation 039-026S73, 3/3/2018 downstream of 26A, 2/25/1997.	4A	Aquatic Plants (Macrophytes)	2016	L	0.185

Expanded in the 2020 cycle.

CB6PH

VAP-C04E_HAH02C20 / Horn Harbor / Described in VDH-DSS condemnation 039-026D, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.037

CB6PH

VAP-C04E_HAH02D18 / Horn Harbor, UT / Described in VDH-DSS condemnation 039-026B, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.005

CB6PH

VAP-C04E_HAH02E20 / Horn Harbor / Described in VDH-DSS condemnation 039-026S74, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.020

CB6PH

VAP-C04E_HAH04A06 / Horn Harbor, UT (Jacks Creek) / Described in VDH Shellfish Condemnation 039-100M1, 3/3/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.016

CB6PH

VAP-C04E_WIN01A06 / Winter Harbor, UT / Described in the condemnation notice 038-178B, 2/28/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.108

CB6PH

VAP-C04E_WIN01B00 / Winter Harbor / Lower Winter Harbor, not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2016	L	0.348

CB6PH

VAP-C04E_WIN01C20 / Winter Harbor / Described in VDH-DSS Condemnation 038-178C, 2/28/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.030

CB6PH

VAP-C04E_WIN02B06 / Winter Harbor / Described in VDH-DSS SFC 038-178M1, 2/28/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.037

CB6PH

VAP-C04E_WIN03A06 / Winter Harbor / Northern portion of	4A	Aquatic Plants (Macrophytes)	2016	L	0.715

Chesapeake Bay/Atlantic/Small Coastal Basins

Winter Harbor.

Size reduced in 2020 cycle.

CB6PH

VAP-C04E_WIN03B18 / Winter Harbor / Described in VDH-DSS condemnation 038-176A, 2/28/2018.	4A	Aquatic Plants (Macrophytes)	2016	L	0.247

Segment expanded in the 2020 cycle.

CB6PH

VAP-C04E_ZZZ02A06 / Unsegmented estuaries in C04 / Unsegmented portion within CB6PH	4A	Aquatic Plants (Macrophytes)	2016	L	0.010

Chesapeake Bay segment CB6PH	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shallow-Water Submerged Aquatic Vegetation			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**291.433**		

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)
Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co. Chesapeake Bay - Countywide Northampton Co.

Use(s): Aquatic Life Deep-Water Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A Dissolved Oxygen / 4D

The 30-day dissolved oxygen criteria for the open water use failed for the 2020 assessment. The 30-day dissolved oxygen criteria for the deep water use was met. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #075 (Restricted)	4A	Dissolved Oxygen	1998	L	0.023
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / Va Dept of Health Shellfish (administrative) condemnation #089-011, Opposite Cape Charles City, Section A. HUC: 02080101.[effective 2005-3-08]	4A	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 northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Dissolved Oxygen	1998	L	168.603
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 southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Dissolved Oxygen	1998	L	372.814
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 20170620).	4A	Dissolved Oxygen	2006	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper / 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 20170620).	4A	Dissolved Oxygen	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 (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20170620).	4A	Dissolved Oxygen	2006	L	0.420
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. No DSS shellfish direct harvesting condemnation identified.	4A	Dissolved Oxygen	2006	L	0.220
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	Dissolved Oxygen	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 Restricted Condemnation (20180614).	4A	Dissolved Oxygen	2006	L	0.011

Chesapeake Bay/Atlantic/Small Coastal Basins

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	Dissolved Oxygen	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 C (effective 20180327).	4A	Dissolved Oxygen	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 20180620).	4A	Dissolved Oxygen	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 OPEN(effective 20150708).	4A	Dissolved Oxygen	2006	L	0.100
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 (20180614).	4A	Dissolved Oxygen	2006	L	1.832
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20180614). Portion of CBP segment CB7PH.	4A	Dissolved Oxygen	2006	L	0.030
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 B (effective 20180327).	4A	Dissolved Oxygen	2006	L	0.069
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	4A	Dissolved Oxygen	2006	L	0.119
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 20180327).	4A	Dissolved Oxygen	2006	L	0.070
VAT-C11E_MTC01A06 / Matchotank Creek - Upper / South of Broadway Neck area. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 080-169 (effective 20071219).	4A	Dissolved Oxygen	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 20071219) & no DSS area identified.	4A	Dissolved Oxygen	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 20180327).	4A	Dissolved Oxygen	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 DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20180327).	4A	Dissolved Oxygen	2006	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper / Near Town of Onancock. From junction of N, Central & S Brs	4A	Dissolved Oxygen	2006	L	0.097

downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20180327).					
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Finneys Wharf downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	4A	Dissolved Oxygen	2006	L	1.953
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 (ADMIN) shellfish direct harvesting condemnation # 080-013 M2 (effective 20180327).	4A	Dissolved Oxygen	2006	L	0.016
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	Dissolved Oxygen	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	Dissolved Oxygen	2006	L	0.058
VAT-C11E_PMC01B20 / Lower Pompco Creek / Portions of Pompco Creek encompassing Tobacco Island and Rogue Island.	4A	Dissolved Oxygen	2006	L	0.934
VAT-C11E_PMC02B20 / Unsegmented estuaries in C11E. / Portion of Pompco Creek that includes the southwest inlet of the Tobacco Island bay. VDH DSS Restricted-Condemnation #079-112 (20180614).	4A	Dissolved Oxygen	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 20180327).	4A	Dissolved Oxygen	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 (effective 20180327).	4A	Dissolved Oxygen	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 M1 (effective 20180327).	4A	Dissolved Oxygen	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	Dissolved Oxygen	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 (20180327).	4A	Dissolved Oxygen	2006	L	0.600
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 20180321).	4A	Dissolved Oxygen	2006	L	0.232
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to	4A	Dissolved Oxygen	2006	L	0.265

Chesapeake Bay/Atlantic/Small Coastal Basins

Horse Hole Creek. CBP segment CB7PH. DSS OPEN condemnation OPEN # 081-119 (effective 20180321).					
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 20180321).	4A	Dissolved Oxygen	2006	L	1.186
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 20180321).	4A	Dissolved Oxygen	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 &M1 (effective 20180321).	4A	Dissolved Oxygen	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 20180321).	4A	Dissolved Oxygen	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 (Admin Cond) condemnation # 081-119 D (effective 20180321).	4A	Dissolved Oxygen	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 20180321).	4A	Dissolved Oxygen	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	Dissolved Oxygen	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 20180321).	4A	Dissolved Oxygen	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 (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20180321)	4A	Dissolved Oxygen	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 20181115).	4A	Dissolved Oxygen	2006	L	0.373
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 2018115).	4A	Dissolved Oxygen	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 A (effective 20181115).	4A	Dissolved Oxygen	2006	L	0.059

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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	Dissolved Oxygen	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. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	4A	Dissolved Oxygen	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 20180321).	4A	Dissolved Oxygen	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove / 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 20181115).	4A	Dissolved Oxygen	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 D (effective 20181115).	4A	Dissolved Oxygen	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 20181115).	4A	Dissolved Oxygen	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 shellfish direct harvesting condemnation # 082-160 (effective 20180321).	4A	Dissolved Oxygen	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 20180321).	4A	Dissolved Oxygen	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	4A	Dissolved Oxygen	2006	L	0.223
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. No DSS shellfish direct harvesting condemnation identified.	4A	Dissolved Oxygen	2006	L	3.150
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 20181115).	4A	Dissolved Oxygen	2006	L	0.205
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / 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 20181115).	4A	Dissolved Oxygen	2006	L	0.169
VAT-C13E_NSS02A06 / Nassawadox Creek - Lower / Mainstem of	4A	Dissolved Oxygen	2006	L	2.121

lower portion of creek to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 085-110 & 085-185 (effective 20181115).					
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 20181115).	4A	Dissolved Oxygen	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 the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20190107).	4A	Dissolved Oxygen	2006	L	0.538
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 20190107).	4A	Dissolved Oxygen	2006	L	2.469
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 20190107).	4A	Dissolved Oxygen	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 20180107).	4A	Dissolved Oxygen	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 20181115) (VPDES outfall condemnation for Shore Memorial Hospital STP VA0027537).	4A	Dissolved Oxygen	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 20181115).	4A	Dissolved Oxygen	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 20181115).	4A	Dissolved Oxygen	2006	L	0.246
VAT-C13E_ZZZ01A00 / Unsegmented estuaries in C13E. / Evaluated non segmented portions of C13E. Portion of CBP segment CB7PH. No DSS shellfish direct harvesting condemnation identified.	4A	Dissolved Oxygen	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 OPEN shellfish direct harvesting condemnation # 086-136 (effective 20181003).	4A	Dissolved Oxygen	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20181003).	4A	Dissolved Oxygen	2006	L	0.138
VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of	4A	Dissolved Oxygen	2006	L	1.187

Chesapeake Bay/Atlantic/Small Coastal Basins

Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20181003).					
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 E (effective 20181003).	4A	Dissolved Oxygen	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 D (effective 20181003).	4A	Dissolved Oxygen	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 20181003).	4A	Dissolved Oxygen	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 20181003).	4A	Dissolved Oxygen	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 20181003).	4A	Dissolved Oxygen	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 C (effective 20181003).	4A	Dissolved Oxygen	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 20181003).	4A	Dissolved Oxygen	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 20150827).	4A	Dissolved Oxygen	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	4A	Dissolved Oxygen	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch& Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20181115).	4A	Dissolved Oxygen	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 20181115).	4A	Dissolved Oxygen	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 Restricted-condemnation # 085-199 (20181115).	4A	Dissolved Oxygen	2006	L	0.030

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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 20181003.	4A	Dissolved Oxygen	2006	L	0.838
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	Dissolved Oxygen	2006	L	0.079
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 (20180821).	4A	Dissolved Oxygen	2006	L	2.138
VAT-C15E_CRS01B18 / Cherrystone Inlet - Eyrehall Cr / SE trib to Cherrystone Inlet. Portion of CBP segment CB7PH. DSS Restricted shellfish direct harvesting condemnation # 088-139 B(20180821).	4A	Dissolved Oxygen	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 Restricted-condemnation # 088-139 (20180821).	4A	Dissolved Oxygen	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 (20180821).	4A	Dissolved Oxygen	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 (20180821) &Seasonal Condemnation M1.	4A	Dissolved Oxygen	2006	L	0.247
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	Dissolved Oxygen	2006	L	0.587
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	Dissolved Oxygen	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	Dissolved Oxygen	2006	L	0.060
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	Dissolved Oxygen	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 20180822).	4A	Dissolved Oxygen	2006	L	0.044
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 shellfish direct harvesting condemnation # 090-152 A	4A	Dissolved Oxygen	2006	L	0.152

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(effective 20180822).

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 (20180822).	4A	Dissolved Oxygen	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. DSS Shellfish OPEN condemnation 20180822.	4A	Dissolved Oxygen	2006	L	0.146

Chesapeake Bay segment CB7PH **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	**575.227**		

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)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* CB7PH-SAV-BAY** **Chesapeake Bay segment CB7PH**

Cause Location: This cause encompasses the complete CPB segment CB7PH.

City / County: Accomack Co. Chesapeake Bay - County Wide Northampton Co.

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

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 38%. There is insufficient data to assess the water clarity criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #075 (Restricted)	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VACB-R01E-04CE / Chesapeake Bay - Cape Charles BSS #089-011, Section A. / 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 northwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	168.603
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 southwestern half of the Virginia Chesapeake Bay between the mouths of the James and Rappahannock Rivers. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	372.814
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 20170620).	4A	Aquatic Plants (Macrophytes)	2006	L	0.160
VAT-C10E_DEP01B10 / Deep Creek - Upper / 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 20170620).	4A	Aquatic Plants (Macrophytes)	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 (OPEN) shellfish direct harvesting condemnation # 077-138 (effective 20170620).	4A	Aquatic Plants (Macrophytes)	2006	L	0.420
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. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	0.220
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	4A	Aquatic Plants (Macrophytes)	2006	L	0.011

Chesapeake Bay/Atlantic/Small Coastal Basins

CB7PH.Shellfishing Restricted Condemnation (20180614).

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 C (effective 20180327).	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 20180620).	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 OPEN(effective 20150708).	4A	Aquatic Plants (Macrophytes)	2006	L	0.100
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 (20180614).	4A	Aquatic Plants (Macrophytes)	2006	L	1.832
VAT-C11E_CSX02B10 / Chesconessex Creek - N. Branch / North Branch portion of creek at marina area. DSS Admin condemnation # 079-112 B (effective 20180614). Portion of CBP segment CB7PH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
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 B (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.069
VAT-C11E_FNN02A00 / Finneys Creek - Lower / East of Bailey Neck area. South shore tributary of Onancock Creek. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.119
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 20180327).	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 condemnation # 080-169 (effective 20071219).	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 20071219) & no DSS area identified.	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 20180327).	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 DSS condemnation (by Finneys Wharf. CBP segment CB7PH. Portion of DSS (Admin Cond) shellfish condemnation # 080-013 A (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.129
VAT-C11E_OCN01C10 / Onancock Creek Mainstem - Upper /	4A	Aquatic Plants (Macrophytes)	2006	L	0.097

Chesapeake Bay/Atlantic/Small Coastal Basins

Near Town of Onancock. From junction of N, Central & S Brs downstream to end of DSS condemnation near Finneys Wharf. CBP segment CB7PH. Portion of DSS shellfish condemnation # 081-013 (effective 20180327).					
VAT-C11E_OCN02A04 / Onancock Creek Mainstem - Lower / East of Bailey Neck area. Mainstem of Onancock Creek- lower. From Finneys Wharf downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 080-013 (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	1.953
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 (ADMIN) shellfish direct harvesting condemnation # 080-013 M2 (effective 20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
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 / Unsegmented estuaries in C11E. / Portion of Pompco Creek that includes the southwest inlet of the Tobacco Island bay. VDH DSS Restricted-Condemnation #079-112 (20180614).	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 20180327).	4A	Aquatic Plants (Macrophytes)	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 (effective 20180327).	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 M1 (effective 20180327).	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 (20180327).	4A	Aquatic Plants (Macrophytes)	2006	L	0.600
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 20180321).	4A	Aquatic Plants (Macrophytes)	2006	L	0.232
VAT-C12E_PUN01B16 / Pungoteague Creek - Middle-Upper / W	4A	Aquatic Plants (Macrophytes)	2006	L	0.265

of Melfa. Upper portion of Pungoteague Cr. from the Boggs Warf to Horse Hole Creek. CBP segment CB7PH. DSS OPEN condemnation OPEN # 081-119 (effective 20180321).					
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 20180321).	4A	Aquatic Plants (Macrophytes)	2006	L	1.186
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 20180321).	4A	Aquatic Plants (Macrophytes)	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 &M1 (effective 20180321).	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 20180321).	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 (Admin Cond) condemnation # 081-119 D (effective 20180321).	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 20180321).	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 20180321).	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 (OPEN) shellfish direct harvesting condemnation # 082-160 (effective 20180321)	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 20181115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.373
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 2018115).	4A	Aquatic Plants (Macrophytes)	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	4A	Aquatic Plants (Macrophytes)	2006	L	0.059

condemnation # 085-185 A (effective 20181115).					
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. DSS (OPEN) shellfish direct harvesting condemnation # 083-195 (effective 20121210).	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 20180321).	4A	Aquatic Plants (Macrophytes)	2006	L	0.277
VAT-C13E_HGC01A06 / Holly Grove Cove / 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 20181115).	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 D (effective 20181115).	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 20181115).	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 shellfish direct harvesting condemnation # 082-160 (effective 20180321).	4A	Aquatic Plants (Macrophytes)	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 20180321).	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	4A	Aquatic Plants (Macrophytes)	2006	L	0.223
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. No DSS shellfish direct harvesting condemnation identified.	4A	Aquatic Plants (Macrophytes)	2006	L	3.150
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 20181115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.205
VAT-C13E_NSS01B08 / Nassawadox Creek - Upper / 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 20181115).	4A	Aquatic Plants (Macrophytes)	2006	L	0.169

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20181115).	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 20181115).	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 the confluence of Wescott Cove (RM 5.3). Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 084-043 A (effective 20190107).	4A	Aquatic Plants (Macrophytes)	2006	L	0.538
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 20190107).	4A	Aquatic Plants (Macrophytes)	2006	L	2.469
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 20190107).	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 20180107).	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 20181115) (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 20181115).	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 20181115).	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. No DSS shellfish direct harvesting condemnation identified.	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 OPEN shellfish direct harvesting condemnation # 086-136 (effective 20181003).	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
VAT-C14E_HUG01A00 / Hungars Creek - Upper / Upper portion of Hungars Creek from end tidal waters downstream to Waterford Point (RM 1.8) @ confluence with Jacobus Cr. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 086-136 A (effective 20181003).	4A	Aquatic Plants (Macrophytes)	2006	L	0.138

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VAT-C14E_HUG02A00 / Hungars Creek - Lower / Lower portion of Hungars Creek from Waterford Point (RM 1.8) @ confluence with Jacobus Cr. downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish direct harvesting condemnation # 086-136 (effective 20181003).	4A	Aquatic Plants (Macrophytes)	2006	L	1.187
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 E (effective 20181003).	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 D (effective 20181003).	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 20181003).	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 20181003).	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 20181003).	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 C (effective 20181003).	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 20181003).	4A	Aquatic Plants (Macrophytes)	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 20150827).	4A	Aquatic Plants (Macrophytes)	2006	L	0.090
VAT-C14E_THG02A06 / The Gulf - Lower / From narrowing 0.45 mi. from mouth downstream to mouth. Portion of CBP segment CB7PH. DSS (OPEN) shellfish condemnation # 087-174 (20150827) & no DSS.	4A	Aquatic Plants (Macrophytes)	2006	L	0.204
VAT-C14E_WHS01A06 / Westerhouse Creek - North Branch& Upper Middle [TMDL] / In Church Neck area, west of Bridgetown. Portion of CBP segment CB7PH. DSS shellfish direct harvesting condemnation # 085-199 (20181115).	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 20181115).	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	4A	Aquatic Plants (Macrophytes)	2006	L	0.030

harvesting Restricted-condemnation # 085-199 (20181115).					
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 20181003.	4A	Aquatic Plants (Macrophytes)	2006	L	0.838
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	0.079
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 (20180821).	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 Restricted shellfish direct harvesting condemnation # 088-139 B(20180821).	4A	Aquatic Plants (Macrophytes)	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 Restricted-condemnation # 088-139 (20180821).	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 (20180821).	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 (20180821) &Seasonal Condemnation M1.	4A	Aquatic Plants (Macrophytes)	2006	L	0.247
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	0.587
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_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 20180822).	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
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	4A	Aquatic Plants (Macrophytes)	2006	L	0.152

Chesapeake Bay/Atlantic/Small Coastal Basins

CB7PH. DSS shellfish direct harvesting condemnation # 090-152 A (effective 20180822).

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 (20180822).	4A	Aquatic Plants (Macrophytes)	2006	L	0.926
VAT-C16E_ZZZ01A00 / Unsegmented estuaries in C16E. / Evaluated non segmented portions of C16E. Portion of CBP segment CB7PH. DSS Shellfish OPEN condemnation 20180822.	4A	Aquatic Plants (Macrophytes)	2006	L	0.146

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:	**575.227**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* CB8PH-SAV-BAY** **Chesapeake Bay segment CB8PH**

Cause Location: This cause encompasses the complete CPB segment CB8PH.

City / County: Chesapeake Bay - County/Ci Hampton City Norfolk City Virginia Beach City

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

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 50% of this goal. There is insufficient data to assess the water clarity criteria.

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 BSS Condemnation #163 / Va Dept of Health Shellfish zone #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 BSS #068-017, Section C. / Va Dept of Health Shellfish (administrative) closure #068-017, A portion of section C. Off Little Creek. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	0.540
VACB-R01E-04GE / Chesapeake Bay - Off Little Creek BSS #068-017, Areas A & B / Va Dept of Health Shellfish (administrative) closure #068-017, Off Little Creek, Sections A and B. HUC: 02080101.[effective 2005-3-08]	4A	Aquatic Plants (Macrophytes)	2006	L	1.355
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. HUC: 02080101.	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
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	4A	Aquatic Plants (Macrophytes)	2006	L	0.140

condemnations present.					
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	0.631
VAT-C08E_CBB02B20 / North Community 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	0.044
VAT-C08E_CBB03A16 / Chicks Beach / Located along Chesapeake Bay near Chesapeake Bay Bridge Tunnel, 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	0.433
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	1.041
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 **Shallow-Water Submerged Aquatic Vegetation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**148.492**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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	0.100

Swans Gut Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.100**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life Use is impaired based on DO exceedances of 7 / 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	0.100

Swan Gut Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	**0.100**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D01E-17-SF** **Swans Gut Creek-restricted SF**

Cause Location: Described in VDH Notice and Description of Shellfish Condemnation # 100-097 A effective date 20181206

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfish Use is not supported based on the DSS Condemnation # 100-097 A effective date 20181206. This impairment was split from VAT-D01E_SGT02A08 in 2016. This SF restricted area in 2016 is included in the TMDL for Shellfish Areas Listed due to Bacterial Contamination: Chincoteague Bay EPA approved 7/31/2008.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D01E_SGT01B16 / Swans Gut Creek / From RM 0.13 to end of restricted SF area (confluence with Chincoteague Bay). DSS shellfish direct harvesting condemnation # 100-097 A (effective 2018-12-06).	4A	Fecal Coliform	2016	L	0.013

Swans Gut Creek-restricted SF **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.013**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

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 condemnation #s (OPEN) 100-097, 100-032, 100-153 & 101-020 (effective dates 10-25-2012, 11-9-2005, 5-16-2007)	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is not supporting based on Enterococcus exceedances of the swimming criteria indicator at the lower segment (10 violates / 34 obs.) at Station 7-ASW003.36. The upper portion of Assawoman assess Recreation Use based on the extrapolated from 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 2017-12-12)	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 2017-12-12).	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 2017-12-12).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life Use is impaired based on DO concentrations that exceed the criteria for this parameter with 9 violates/ 36 obs. 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 2017-12-12)	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 2017-12-12).	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 2017-12-12).	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Shellfishing

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

The Shellfishing Use is not supporting based on DSS Condemnation # 099-135 A (effective 2017-12-12).
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 2017-12-12)	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 2017-12-12).	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Shellfishing

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

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 12/12/2018).	4A	Fecal Coliform	2010	L	0.007

Unsegmented estuaries in D02E **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.007**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired due to exceedance of the criteria for E.coli bacteria at 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	1.88

Pettit Branch **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.88**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic Macroinvertebrates Bioassessments / 4A

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	1.88

Pettit Branch **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**1.88**

Sources:

Seafood Processing Operations	Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired based on E. coli data collected @ Station 7-ASW008.88 (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	1.02

Assawoman Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.02**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Recreation

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

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 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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D03E-05-BAC** **Parker Creek - Middle & 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.

City / County: Accomack Co.

Use(s): Recreation

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

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	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 & Lower **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Enterococcus - Total Impaired Size by Water Type:	**0.047**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

Recreational Use is not supported based on the Enterococci data which violates 2 out of 11 observations at DEQ station @ 7-WAS003.26.

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D03E-07-DO** **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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

Aquatic Life Use is impaired for DO with 2 viol / 17 obs at station 7-WAS003.26.

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	Dissolved Oxygen	2018	L	0.026

Wachapreague Channel **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	**0.026**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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 2017-12-12.	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

The Recreation Use is impaired due to exceedance of the criteria for E.coli bacteria (7-PAR003.09 - 26 violates / 33 obs.) and (7-PAR004.35 - 0 violates / 2 obs. impairments dropped off and therefore station can not be delisted).NESTED within Parker Creek 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	2.02

Parker Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**2.02**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Benthic Macroinvertebrates Bioassessments / 4A

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	2.02

Parker Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**2.02**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Recreation

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

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	2.83

Gargathy Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**2.83**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

The Aquatic Life Use is impaired due to impacts to the stream's benthic population. DEQ Streams Benthic-Macroinvertebrate Bioassessments using VCPMI at Station 7-RSS001.40.

VCPMI [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	L	3.20

Ross Branch **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**3.20**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

ALUS is impaired based on benthic VCPMI scores. Benthic population impacts were recorded at the following sample events: 7-XDE000.40 - VCPM [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	L	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

The Aquatic Life Use is impaired based on the streams Benthic population as recorded at the following sample event: 7-RTT000.49 with VCPMI [IM_ 2014: S=35.3 2013: F=31.6 2010: S=23.2, F=26.8].

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	L	2.73

Rattrap Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**2.73**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

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]. 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	L	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life

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

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. 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	L	1.22

Custis Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**1.22**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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 direct harvesting condemnation # 095-192 (effective 2018-05-30).	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:	**0.003**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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 violates / 4 obs.) 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 A (effective 2011-9-08).	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co. Northampton Co.

Use(s): Recreation

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

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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D04E-07-SF** **Red Bank Creek - Upper**

Cause Location: Tributary to Hog Island Bay. Southeast of Marionville, near Brick House Neck. Segment from end of tidal waters downstream to confluence of UT (XDF).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on the DSS shellfish Restricted condemnation # 095-192 effective 2018-05-30.

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 direct harvesting condemnation # 095-192 (effective 2018-05-30).	4A	Fecal Coliform	2020	L	0.003

Red Bank Creek - Upper **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.003**		

Sources:

Impacts from Land Application of Wastes	Livestock (Grazing or Feeding Operations)	Sewage Discharges in Unsewered Areas	Wastes from Pets
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D04E-08-SF** **Red Bank Creek - Middle & Lower**

Cause Location: Tributary to Hog Island Bay. Segment approx 0.37 mi. from UT (XDF) to boat dock. DSS shellfish Restricted condemnation # 095-192 (effective 2018-05-30).

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on the DSS shellfish Restricted condemnation # 095-192 effective 2018-05-30.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04E_RBC02A08 / Red Bank Creek - Middle & Lower / Tributary to Hog Island Bay. Segment approx 0.37 mi. from UT (XDF) to boat dock. DSS shellfish Restricted condemnation # 095-192 (effective 2018-05-30).	4A	Fecal Coliform	2020	L	0.029

Red Bank Creek - Middle & Lower **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.029**		

Sources:

Impacts from Land Application of Wastes	Livestock (Grazing or Feeding Operations)	Sewage Discharges in Unsewered Areas	Wastes from Pets
Waterfowl	Wildlife Other than Waterfowl		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Accomack Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life Use is impaired in the 2020 IR cycle due to the addition of a DO impairment @ Station 7-UPS001.97 (3 viol / 23 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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D04E-10-SF** **Unnamed tributary to Red Bank Creek**

Cause Location: 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.

City / County: Northampton Co.

Use(s): Shellfishing

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

The Shellfish Use is impaired based on the DSS shellfish Restricted condemnation # 095-192 effective 2018-05-30.

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 A (effective 2011-9-08).	4A	Fecal Coliform	2006	L	0.009

Unnamed tributary to Red Bank Creek **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.009**		

Sources:

Impacts from Land Application of Wastes

Sewage Discharges in Unsewered Areas

Wastes from Pets

Waterfowl

Wildlife Other than Waterfowl

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D04E-11-EBEN** **Machipongo River-Middle**

Cause Location: Middle-Machipongo River

City / County: Accomack Co. Northampton Co.

Use(s): Aquatic Life

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

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

The Aquatic Life Use is impaired for DO at Station 3-RBC003.87 with DO 3 viol /11 ob. pH is supported with 0 viol / 11 obs. 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	1.36

Red Bank Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			**1.36**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D04R-04-BEN** **UT to Mill Creek**

Cause Location: This cause encompasses the Unnamed trib to Mill Creek Stream. Stream is east of Treherneville crossing over Route 600.

City / County: Northampton Co.

Use(s): Aquatic Life

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

The ALUS is not supported based on the benthic data collected in 2011 using the VCPMI. The Spring score was 20.9 and the Fall was 9.0. Habitat is adequate for colonization of a healthy benthic community, but pH is somewhat acidic and dissolved oxygen was very low in the spring. The stream was dominated by midge larvae, a frequent indicator of human disturbance.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VAT-D04R_XER01A14 / UT to Mill Creek / Unnamed trib to Mill Creek Stream. Stream is east of Treherneville crossing over Route 600.	5A	Benthic Macroinvertebrates Bioassessments	2014	L	1.48

UT to Mill Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**1.48**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Recreation Use impairment is retained, data within assessment window is from 2005 with 0 viol/ 3 obs. 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 M1 (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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Fish Consumption

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

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 M1 (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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 M1 (effective 2014-02-26).

City / County: Northampton Co.

Use(s): Shellfishing

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

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 M1 (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 M1 (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:

Sewage Discharges in Unsewered Areas

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

Cause(s) / VA Category: Fecal Coliform / 5A

The Recreation Use is impaired based on E.coli exceedance of the swimming criteria (14 violates / 24 obs.).

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	Fecal Coliform	2002	L	1.26

Taylor Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:			**1.26**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

Recreation Use is impaired due to E.coli bacteria concentrations exceeding the instantaneous swimming indicator criteria. Impairment 9 violates/ 24 obs at DEQ (AQM) station @ 7-HLT002.08.

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	1.74

Holt Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.74**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Recreation Use impairment is retained based on Fecal Coliform data. Current E.coli data collected is 1 violates / 1 obs. 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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

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

The Aquatic Life Use is impaired based on the benthic data collected at 7-XDI000.88: IM VCPMI [2014: S=25.4] [2013: F=41.3] [2009_IM: S=8.6, F=48.4]
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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life use is impaired based on data from 2008 Assessment for the DO concentration exceeding the criteria for this parameter (2 violates / 5 obs.). 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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Fish Consumption

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

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A

The Aquatic Life Use is impaired based on the dissolved oxygen (10 violates / 25 obs.) below the criteria minimum (4.0 mg/l) at DEQ station @ 7-MCR002.00.
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	2.23

Mill Creek **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			**2.23**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Recreation Use is impaired with 3 violations / 5 observations at Station 7-NCB000.97.

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	1.84

Narrow Channel Branch **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.84**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

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

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	1.84

Narrow Channel Branch **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Benthic Macroinvertebrates Bioassessments - Total Impaired Size by Water Type:			**1.84**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

The Aquatic Life Use is impaired based on 2011 and 2012 data for DO that exceed the WQS with 2 viol/ 6 obs. 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	1.84

Narrow Channel Branch **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:			**1.84**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

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	1.44

Tommy's Ditch **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**1.44**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Northampton Co.

Use(s): Recreation

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

The Recreation Use is impaired based on data collected at station 7-MCR002.00 with 3 viol / 24 obs in the 2020 IR cycle.

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	2.23

Mill Creek **Recreation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Escherichia coli (E. coli) - Total Impaired Size by Water Type:			**2.23**

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

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).	5B	Fecal Coliform	2006	L	0.093
VAT-D07E_LAI03A20 / Lake Rudee - Upper (northwest trib.) / Tributary of Lake Rudee between Terrace Ct and Caspian Ave	5B	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Recreation

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

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).	5A	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:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 5A

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	M	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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* D07E-04-SF** **Owl Creek - Upper & Lower**

Cause Location: Described in VDH Notice and Description of Shellfish Direct Harvesting Condemnation # 073-074A (effective 2013-06-11).

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

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_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).	5B	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 condemnation # 073-074 A (effective 2013-06-11).	5B	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).	5B	Fecal Coliform	2006	L	0.001

Owl Creek - Upper & Lower **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.026**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

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).	5B	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).	5B	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).	5B	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:	**0.060**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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).

City / County: Virginia Beach City

Use(s): Recreation

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

The Recreation Use is impaired due to Enterococci data collected @ Station 7LAE-7-VAMSC (2 viol / 13 obs).

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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

City / County: Virginia Beach City

Use(s): Recreation

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

The Recreation Use is impaired due to data collected @ Station 7LAI-4-VAMSC (5 viol / 27 obs) .

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:	**0.007**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* LYNPH-DO-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.

City / County: Virginia Beach City

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A

The Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. EPA approved Chesapeake Bay TMDL 12/29/2010.

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 20180130)	4A	Dissolved Oxygen	2006	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - 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, G (effective 20180130).	4A	Dissolved Oxygen	2006	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 20180131).	4A	Dissolved Oxygen	2006	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / 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 20180130).	4A	Dissolved Oxygen	2006	L	0.075
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 20180130).	4A	Dissolved Oxygen	2006	L	0.020
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 20180130).	4A	Dissolved Oxygen	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 20180130).	4A	Dissolved Oxygen	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 20180204).	4A	Dissolved Oxygen	2006	L	0.385
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 20180130).	4A	Dissolved Oxygen	2006	L	0.103
VAT-C08E_LKN01B14 / Linkhorn Bay - Upper / Located adjacent	4A	Dissolved Oxygen	2006	L	0.061

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 (effective 20180130).					
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 20180130).	4A	Dissolved Oxygen	2006	L	0.560
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 C,D,E,F,G,H, I,J,K,L, M (effective 20180130).	4A	Dissolved Oxygen	2006	L	0.223
VAT-C08E_LKN03B20 / Linkhorn Bay - Upper / Southern tip of Linkhorn Bay, north of Rt. 264. CBP segment LYNPH. No DSS category.	4A	Dissolved Oxygen	2006	L	0.004
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 20180130).	4A	Dissolved Oxygen	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 # 071-227 A (effective 20180130).	4A	Dissolved Oxygen	2006	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 # 071-227 M1 (effective 20180130).	4A	Dissolved Oxygen	2006	L	0.155
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 B,C,D,E,F,G,H (effective 20180130).	4A	Dissolved Oxygen	2006	L	0.072
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	Dissolved Oxygen	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 20180206).	4A	Dissolved Oxygen	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 Condemned (effective 20180206).	4A	Dissolved Oxygen	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	Dissolved Oxygen	2006	L	0.557
VAT-C08E_LYN01C12 / Lynnhaven River & Bay - DSS Cond /	4A	Dissolved Oxygen	2006	L	0.198

Chesapeake Bay/Atlantic/Small Coastal Basins

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 A & M (effective 20180206) .

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	Dissolved Oxygen	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	Dissolved Oxygen	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	Dissolved Oxygen	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	Dissolved Oxygen	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	Dissolved Oxygen	2006	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	Dissolved Oxygen	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	Dissolved Oxygen	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	Dissolved Oxygen	2006	L	0.959
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	Dissolved Oxygen	2006	L	0.206

Lynnhaven River and Broad Bay System CBP segment LYNPH and Tributaries	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Dissolved Oxygen - Total Impaired Size by Water Type:	**7.976**		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

Sources:

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

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Virginia Beach City

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

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 20180130)	4A	Aquatic Plants (Macrophytes)	2006	L	1.213
VAT-C08E_BBY01B10 / Broad Bay - 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, G (effective 20180130).	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 20180131).	4A	Aquatic Plants (Macrophytes)	2006	L	0.128
VAT-C08E_DEY01A00 / Dey Cove/Mill Dam Creek- Upper / 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 20180130).	4A	Aquatic Plants (Macrophytes)	2006	L	0.075
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 20180130).	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
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 20180130).	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 20180130).	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 20180204).	4A	Aquatic Plants (Macrophytes)	2008	L	0.385
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 20180130).	4A	Aquatic Plants (Macrophytes)	2006	L	0.103

Chesapeake Bay/Atlantic/Small Coastal Basins

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 (effective 20180130).	4A	Aquatic Plants (Macrophytes)	2006	L	0.061
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 20180130).	4A	Aquatic Plants (Macrophytes)	2010	L	0.560
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 C,D,E,F,G,H, I,J,K,L, M (effective 20180130).	4A	Aquatic Plants (Macrophytes)	2010	L	0.223
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
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 20180130).	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 # 071-227 A (effective 20180130).	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 # 071-227 M1 (effective 20180130).	4A	Aquatic Plants (Macrophytes)	2014	L	0.155
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 B,C,D,E,F,G,H (effective 20180130).	4A	Aquatic Plants (Macrophytes)	2014	L	0.072
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 20180206).	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 Condemned (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

Chesapeake Bay/Atlantic/Small Coastal Basins

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 A & M (effective 20180206) .	4A	Aquatic Plants (Macrophytes)	2014	L	0.198
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
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	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shallow-Water Submerged Aquatic Vegetation			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**7.976**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* MOBPH-DO-BAY** **Chesapeake Bay segment MOBPH (Mobjack Bay)**

Cause Location: This cause encompasses the complete CPB segment MOBPH.

City / County: Gloucester Co. Hampton City Mathews Co. Poquoson City. York Co.

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A

The 30-day dissolved oxygen criteria for open water use is failing for the 2020 assessment. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use. All Open Water criteria must be assessed until segment can be delisted for DO.

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. HUC: 02080101.	4A	Dissolved Oxygen	2006	L	92.951
	4A	Dissolved Oxygen	2006	L	92.951
	4A	Dissolved Oxygen	2006	L	92.951
	4A	Dissolved Oxygen	2006	L	92.951
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 8/6/2018.	4A	Dissolved Oxygen	2020	L	0.037
MOBPH					
VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 8/6/2018.	4A	Dissolved Oxygen	2020	L	0.056
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C04E_BKA01B12 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (open).	4A	Dissolved Oxygen	2020	L	0.014
Expanded and split in the 2020 cycle.					
MOBPH					
VAP-C04E_BKA01C20 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (seasonally condemned).	4A	Dissolved Oxygen	2020	L	0.015
MOBPH					
VAP-C04E_BLW01A98 / Blackwater Creek / Described in the condemnation notice 042-131A, 6/3/1997.	4A	Dissolved Oxygen	2020	L	0.101
MOBPH					
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	4A	Dissolved Oxygen	2020	L	0.025
MOBPH					
VAP-C04E_DAV01A98 / Davis Creek / Described in the	4A	Dissolved Oxygen	2006	L	0.037

condemnation notice 042-131C, 6/30/2016.

Size increased in the 2020 cycle.

MOBPH

VAP-C04E_DAV02A14 / Davis Creek, UT / Described in VDH-DSS Shellfish Condemnation 042-131S22, 8/1/2017.	4A	Dissolved Oxygen	2020	L	0.024

MOBPH

VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015.	4A	Dissolved Oxygen	2020	L	0.006

MOBPH

VAP-C04E_DVS01B08 / Davis Creek / Described in the condemnation notice 040-085M2, 9/21/2010.	4A	Dissolved Oxygen	2020	L	0.011

MOBPH

VAP-C04E_DVS02A12 / Davis Creek / Described in the condemnation notice 040-085M1, 9/29/2015.	4A	Dissolved Oxygen	2020	L	0.011

MOBPH

VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.013

Expanded slightly in the 2020 cycle.

MOBPH

VAP-C04E_ELM01A98 / Elmington Creek / Described in the condemnation notice 157B, 6/3/1997.	4A	Dissolved Oxygen	2020	L	0.023

MOBPH

VAP-C04E_ELM01B08 / Elmington Creek / Portion of VDH condemnation notice 042-157D, 8/6/2018 not included in 157B, 6/3/1997.	4A	Dissolved Oxygen	2020	L	0.009

MOBPH

VAP-C04E_EST01A98 / East River / Described in the condemnation notice 92, 1/3/1995.	4A	Dissolved Oxygen	2020	L	0.198

MOBPH

VAP-C04E_EST01B10 / East River / Portion of condemnation notice 041-092A, 9/24/2018 open in 92, 1/3/1995.	4A	Dissolved Oxygen	2020	L	0.036

Size reduced in the 2020 cycle.

MOBPH

VAP-C04E_EST01D10 / East River, UT / Described in the condemnation notice 041-092S43, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.023

MOBPH

VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented.	4A	Dissolved Oxygen	2020	L	2.462

MOBPH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_EST02B20 / East River / Described in VDH-DSS condemnation 041-092S42, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.100
MOBPH					
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.016
MOBPH					
VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	4A	Dissolved Oxygen	2020	L	0.026
MOBPH					
VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS SFC 041-212M2, 9/25/2014.	4A	Dissolved Oxygen	2020	L	0.010
MOBPH					
VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005.	4A	Dissolved Oxygen	2020	L	0.020
MOBPH					
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	4A	Dissolved Oxygen	2020	L	0.014
MOBPH					
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212S46, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.004
MOBPH					
VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131M1, 8/1/2017.	4A	Dissolved Oxygen	2020	L	0.054
Merged in the 2020 cycle.					
MOBPH					
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	4A	Dissolved Oxygen	2020	L	0.030
MOBPH					
VAP-C04E_NOR01A02 / North River / Described in condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream.	4A	Dissolved Oxygen	2020	L	0.317
Merged in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 8/6/2018 not included on the 6/3/1997 condemnation.	4A	Dissolved Oxygen	2020	L	0.044
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.	4A	Dissolved Oxygen	2020	L	5.417

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C04E_NOR03A20 / North River / Described in VDH-DSS condemnation 042-157F, 8/6/2018.	4A	Dissolved Oxygen	2020	L	0.021

MOBPH

VAP-C04E_OAK01A08 / Oakland Creek / Described in the condemnation notice 042-131B, 6/12/2014.	4A	Dissolved Oxygen	2020	L	0.030

MOBPH

VAP-C04E_PEP01A06 / Pepper Creek / As described in the condemnation notice 040-085B, 9/26/2006.	4A	Dissolved Oxygen	2020	L	0.031

MOBPH

VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/24/2018 not included in 5B, 6/5/1996.	4A	Dissolved Oxygen	2020	L	0.077

Size reduced slightly in the 2020 cycle.

MOBPH

VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open on 041-005, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.031

Split in the 2020 cycle.

MOBPH

VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.005

MOBPH

VAP-C04E_PUT01E20 / Put In Creek / Described in VDH-DSS condemnation notice 041-005S44, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.018

MOBPH

VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	4A	Dissolved Oxygen	2020	L	0.021

MOBPH

VAP-C04E_RAN01A08 / Raines Creek / Described in VDH Shellfish Condemnation 041-212I, 10/25/2005.	4A	Dissolved Oxygen	2020	L	0.039

MOBPH

VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	4A	Dissolved Oxygen	2020	L	0.026

MOBPH

VAP-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085B, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.028

Size reduced in the 2020 cycle.

MOBPH

VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish Condemnation 041-212F, 9/30/2016.	4A	Dissolved Oxygen	2020	L	0.034

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014.	4A	Dissolved Oxygen	2020	L	0.014
MOBPH VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/6/2018.	4A	Dissolved Oxygen	2020	L	0.020
MOBPH VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.025
MOBPH VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.029
MOBPH VAP-C04E_WOO02A20 / Woodas Creek / Described in VDH-DSS condemnation 041-09S45, 9/24/2018.	4A	Dissolved Oxygen	2020	L	0.021
MOBPH VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005.	4A	Dissolved Oxygen	2020	L	0.018
MOBPH VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 6/30/2016.	4A	Dissolved Oxygen	2020	L	0.020
MOBPH VAP-C04E_ZZZ03A06 / Unsegmented estuaries in C04 / Unsegmented portion within MOBPH	4A	Dissolved Oxygen	2020	L	0.428
VAP-C05E_FOX01A08 / Fox Mill Run / Described in the condemnation notice 96B, 8/12/1996.	4A	Dissolved Oxygen	2020	L	0.085
MOBPH VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River	4A	Dissolved Oxygen	2020	L	0.102
MOBPH VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A	Dissolved Oxygen	2020	L	0.257
MOBPH VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/6/2018 not included in condemnation 96A and 96B, 8/12/1996. Shortened in the 2020 cycle.	4A	Dissolved Oxygen	2020	L	0.168
MOBPH VAP-C05E_WAR02A02 / Ware River / Ware River downstream of SFC 096.	4A	Dissolved Oxygen	2020	L	6.309

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	4A	Dissolved Oxygen	2020	L	0.010

MOBPH

VAP-C05E_WAR02C20 / Ware River / Described in VDH-DSS condemnation 043-096S26, 8/6/2018.	4A	Dissolved Oxygen	2020	L	0.094

MOBPH

VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	4A	Dissolved Oxygen	2020	L	0.033

MOBPH

VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/6/2018 not included in condemnation notice 106, 8/12/1996.	4A	Dissolved Oxygen	2020	L	0.142

Size reduced in the 2020 cycle.

MOBPH

VAP-C05E_XDJ01A08 / XDJ - Wilson Creek, UT / Tidal limit to mouth at Wilson Creek.	4A	Dissolved Oxygen	2020	L	0.010

MOBPH

VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed.	4A	Dissolved Oxygen	2020	L	0.252

MOBPH

VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125B, 12/12/2017.	4A	Dissolved Oxygen	2020	L	0.051

MOBPH

VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996.	4A	Dissolved Oxygen	2020	L	0.021

MOBPH

VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/12/2017 not included in 125B, 12/31/1996.	4A	Dissolved Oxygen	2020	L	0.024

MOBPH

VAP-C06E_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.039

MOBPH

VAP-C06E_FSC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.027

MOBPH

VAP-C06E_HEY01A98 / Heywood Creek / Described in the condemnation notice 044-054B, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.081

MOBPH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_HEY01B10 / Heywood Creek / Portion of condemnation notice 101, 4/1/1997 open in condemnation 044-054, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.085
MOBPH					
VAP-C06E_MNC01A98 / Monday Creek / Portion of VDH-DSS condemnation notice 25A, 12/31/1996 open on 12/12/2017.	4A	Dissolved Oxygen	2020	L	0.030
MOBPH					
VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/12/2017.	4A	Dissolved Oxygen	2020	L	0.053
MOBPH					
VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.067
MOBPH					
VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 5/30/2018, excluding tributary XEE.	4A	Dissolved Oxygen	2020	L	0.127
Size increased in the 2020 cycle.					
MOBPH					
VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093D, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.034
MOBPH					
VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.167
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented	4A	Dissolved Oxygen	2020	L	0.441
MOBPH					
VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem	4A	Dissolved Oxygen	2020	L	0.635
MOBPH					
VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented.	4A	Dissolved Oxygen	2020	L	3.258
MOBPH					
VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014.	4A	Dissolved Oxygen	2020	L	0.021
MOBPH					
VAP-C06E_THC01A98 / Thorntons Creek / Described in the condemnation notice 044-054A, 5/30/2018.	4A	Dissolved Oxygen	2020	L	0.063
Expanded slightly in the 2020 cycle.					

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH VAP-C06E_THC01B10 / Thorntons Creek / Portion of condemnation notice 054, 4/1/1997 open in condemnation 044-054, 5/30/2018. Size reduced slightly in the 2020 cycle.	4A	Dissolved Oxygen	2020	L	0.016
MOBPH VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 5/30/2018. Expanded in the 2020 cycle.	4A	Dissolved Oxygen	2020	L	0.102
MOBPH VAP-C06E_VGH01B10 / Vaughans Creek / Portion of condemnation notice 093B, 4/1/1997 open on 5/30/2018. Size reduced in the 2020 cycle.	4A	Dissolved Oxygen	2020	L	0.019
MOBPH VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 5/30/2018.	4A	Dissolved Oxygen	2010	L	0.033
MOBPH VAP-C06E_WET01B08 / Willetts Creek / Described in VDH Condemnation 044-054C, 2/15/2006.	4A	Dissolved Oxygen	2020	L	0.128
MOBPH VAP-C06E_WTT01A08 / Whitaker Creek / Tidal extent of Whitaker Creek.	4A	Dissolved Oxygen	2020	L	0.066
MOBPH VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	4A	Dissolved Oxygen	2020	L	0.003
MOBPH VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed.	4A	Dissolved Oxygen	2020	L	1.301
MOBPH 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 (20181018) and 054-021 (20151102) shellfish condemnations.	4A	Dissolved Oxygen	2020	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. DSS shellfish condemnation # 054-215 M1 (Seasonal)(effective 20181018).	4A	Dissolved Oxygen	2020	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.	4A	Dissolved Oxygen	2020	L	0.034

Chesapeake Bay/Atlantic/Small Coastal Basins

Portion of DSS shellfish condemnation # 054-215 B, 20181018.					
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 &M1 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.281
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 20180425).	4A	Dissolved Oxygen	2020	L	0.078
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 20180425).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	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) Shellfish condemnation # 053-222 and M1(effective 20180425).	4A	Dissolved Oxygen	2020	L	0.209
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 C(effective 20180425).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	L	0.042
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 20180425).	4A	Dissolved Oxygen	2020	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 20181018. CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	L	0.109

Chesapeake Bay/Atlantic/Small Coastal Basins

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 & seasonal M2 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.408
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20180425).	4A	Dissolved Oxygen	2020	L	0.560
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 & M1(effective 20180425).	4A	Dissolved Oxygen	2020	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 (OPEN) shellfish condemnation # 053-222 (effective 20180511). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	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 20180425). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	L	0.042
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 (effective 20180425). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	L	0.010
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20181018). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	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 M1 (effective 20181018). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 B (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.036
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 20181018). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	L	0.198
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 (OPEN) shellfish area # 054-215	4A	Dissolved Oxygen	2020	L	0.160

(effective 20181018).					
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) shellfish condemnation # 054-215 M2 (effective 20181018).	4A	Dissolved Oxygen	2020	L	0.053
VAT-C07E_HOD01A08 / Hodges Creek - Upper / North shore trib to Poquoson R. @ Fish Neck. CBP Segment MOBPH. Portion of DSS shellfish Restricted-condemnation # 053-137 (effective 20180425).	4A	Dissolved Oxygen	2020	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 C (effective 20181018).	4A	Dissolved Oxygen	2020	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 OPEN condemnation # 054-021 (effective 20181018). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	L	0.135
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 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.028
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20181018).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / 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 20180425).	4A	Dissolved Oxygen	2020	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - 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 (effective 20180425).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	L	0.073

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20181018).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 20181018). CBP Segment MOBPH.	4A	Dissolved Oxygen	2020	L	0.248
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 (OPEN) shellfish condemnation # 054-021 (effective 20181018).	4A	Dissolved Oxygen	2020	L	0.961
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 20180425).	4A	Dissolved Oxygen	2020	L	0.518
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.834
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 # 053-137 (effective 20180425).	4A	Dissolved Oxygen	2008	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 20180425).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20181018).	4A	Dissolved Oxygen	2020	L	0.568

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20181018).	4A	Dissolved Oxygen	2020	L	0.413
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20181018).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 20180425).	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	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 (effective 20181018).	4A	Dissolved Oxygen	2020	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. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20180425).	4A	Dissolved Oxygen	2020	L	0.145
VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	4A	Dissolved Oxygen	2020	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 20181018).	4A	Dissolved Oxygen	2020	L	0.097

Chesapeake Bay segment MOBPH (Mobjack Bay)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Dissolved Oxygen - Total Impaired Size by Water Type:	**411.683**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 CPB segment MOBPH.

City / County: Gloucester Co. Hampton City Mathews Co. Poquoson City. York Co.

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 15,908 acres. Aerial analysis of SAV over the three most recent years of data indicate segment has attained 48% of this goal. Only 58% of water clarity goal met according to 2012 Dataflow surveys.

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. HUC: 02080101.	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
	4A	Aquatic Plants (Macrophytes)	2006	L	92.951
VAP-C04E_BEV01A08 / Belleville Creek / Described in VDH Shellfish Condemnation 042-157B, 8/6/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
MOBPH					
VAP-C04E_BKA01A98 / Back Creek / Described in VDH condemnation notice 042-157C, 8/6/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.056
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C04E_BKA01B12 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (open).	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
Expanded and split in the 2020 cycle.					
MOBPH					
VAP-C04E_BKA01C20 / Back Creek / Portion of VDH condemnation notice 157C, 6/3/1997 not condemned on 8/6/2018 (seasonally condemned).	4A	Aquatic Plants (Macrophytes)	2006	L	0.015
MOBPH					
VAP-C04E_BLW01A98 / Blackwater Creek / Described in the condemnation notice 042-131A, 6/3/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
MOBPH					
VAP-C04E_BUR01A00 / Burke Mill Stream / From extent of tide to North River	4A	Aquatic Plants (Macrophytes)	2010	L	0.025
MOBPH					

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_DAV01A98 / Davis Creek / Described in the condemnation notice 042-131C, 6/30/2016. Size increased in the 2020 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
VAP-C04E_DAV02A14 / Davis Creek, UT / Described in VDH-DSS Shellfish Condemnation 042-131S22, 8/1/2017. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.024
VAP-C04E_DVS01A98 / Davis Creek / Described in the condemnation notice 040-085B, 9/29/2015. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
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_DVS02A12 / Davis Creek / Described in the condemnation notice 040-085M1, 9/29/2015. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C04E_DVS03A12 / Davis Creek / Described in VDH-DSS condemnation 040-085A, 9/24/2018. Expanded slightly in the 2020 cycle. 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, 8/6/2018 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, 9/24/2018 open in 92, 1/3/1995. Size reduced in the 2020 cycle. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
VAP-C04E_EST01D10 / East River, UT / Described in the condemnation notice 041-092S43, 9/24/2018. MOBPH	4A	Aquatic Plants (Macrophytes)	2006	L	0.023
VAP-C04E_EST02A00 / East River / East River from SFC 92 to mouth, not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	2.462

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH					
VAP-C04E_EST02B20 / East River / Described in VDH-DSS condemnation 041-092S42, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.100
MOBPH					
VAP-C04E_EST03A06 / East River, UT / Described in VDH-DSS SFC 041-212M1, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
MOBPH					
VAP-C04E_EST04A02 / East River, UT / As described in condemnation notice 041-212B, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026
MOBPH					
VAP-C04E_EST05A06 / East River, UT (aka Mill Creek) / Described in VDH-DSS SFC 041-212M2, 9/25/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
MOBPH					
VAP-C04E_EST06A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212G, 10/25/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020
MOBPH					
VAP-C04E_EST07A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212C, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014
MOBPH					
VAP-C04E_EST08A08 / East River, UT / Described in VDH Shellfish Condemnation 041-212S46, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.004
MOBPH					
VAP-C04E_GRE01A08 / Greenmansion Cove / Described in VDH-DSS condemnation notice 042-131M1, 8/1/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.054
Merged in the 2020 cycle.					
MOBPH					
VAP-C04E_MIS01A04 / Miles Creek / Described in VDH Condemnation Notice 041-212D, 9/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
MOBPH					
VAP-C04E_NOR01A02 / North River / Described in condemnation notice 157A, 6/3/1997, excluding tidal Burke Mill Stream.	4A	Aquatic Plants (Macrophytes)	2006	L	0.317
Merged in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR01B08 / North River / Portion of condemnation notice 042-157A, 8/6/2018 not included on the 6/3/1997 condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.044
Size reduced in the 2020 cycle.					
MOBPH					
VAP-C04E_NOR02A02 / North River / North River and tribs from SFC 157A to Mobjack Bay, except as otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	5.417

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH

VAP-C04E_NOR03A20 / North River / Described in VDH-DSS condemnation 042-157F, 8/6/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

MOBPH

VAP-C04E_OAK01A08 / Oakland Creek / Described in the condemnation notice 042-131B, 6/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030

MOBPH

VAP-C04E_PEP01A06 / Pepper Creek / As described in the condemnation notice 040-085B, 9/26/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.031

MOBPH

VAP-C04E_PUT01A98 / Put In Creek / Portion of VDH-DSS condemnation notice 041-005A, 9/24/2018 not included in 5B, 6/5/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.077

Size reduced slightly in the 2020 cycle.

MOBPH

VAP-C04E_PUT01C10 / Put In Creek / Portion of condemnation notice 5A, 6/5/1996 open on 041-005, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.031

Split in the 2020 cycle.

MOBPH

VAP-C04E_PUT01D16 / Put In Creek / Described in condemnation notice 041-005B, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.005

MOBPH

VAP-C04E_PUT01E20 / Put In Creek / Described in VDH-DSS condemnation notice 041-005S44, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018

MOBPH

VAP-C04E_PUT02A98 / Put In Creek / Described in the condemnation notice 5B, 6/5/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

MOBPH

VAP-C04E_RAN01A08 / Raines Creek / Described in VDH Shellfish Condemnation 041-212I, 10/25/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.039

MOBPH

VAP-C04E_RAY01A12 / Raymond Creek / Described in VDH-DSS condemnation 042-131B, 6/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.026

MOBPH

VAP-C04E_SLO01A08 / Sloop Creek / Described in VDH-DSS Condemnation 040-085B, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.028

Size reduced in the 2020 cycle.

MOBPH

VAP-C04E_TAB01A08 / Tabbs Creek / Described in VDH Shellfish	4A	Aquatic Plants (Macrophytes)	2006	L	0.034

Chesapeake Bay/Atlantic/Small Coastal Basins

Condemnation 041-212F, 9/30/2016.

MOBPH

VAP-C04E_THO01A08 / Thomas Creek / Described in VDH Shellfish Condemnation 041-212B, 9/25/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.014

MOBPH

VAP-C04E_TOD01A20 / Toddsbury Creek / Described in VDH-DSS condemnation 042-157E, 8/6/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020

MOBPH

VAP-C04E_WON01A08 / Weston Creek / Described in VDH Shellfish Condemnation 041-212A, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025

MOBPH

VAP-C04E_WOO01A10 / Woodas Creek / Described in the condemnation notice 041-092B, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029

MOBPH

VAP-C04E_WOO02A20 / Woodas Creek / Described in VDH-DSS condemnation 041-09S45, 9/24/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

MOBPH

VAP-C04E_WTS01A08 / Whites Creek / Described in VDH Shellfish Condemnation 041-212E, 10/25/2005.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018

MOBPH

VAP-C04E_XFA03A14 / XFA - North River, UT / Described in VDH-DSS condemnation 042-131A, 6/30/2016.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020

MOBPH

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 the condemnation notice 96B, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.085

MOBPH

VAP-C05E_OLD01A12 / Oldhouse Creek / Tidal limit to mouth at Ware River	4A	Aquatic Plants (Macrophytes)	2006	L	0.102

MOBPH

VAP-C05E_WAR01A02 / Ware River / Described in the condemnation notice 096A, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.257

MOBPH

VAP-C05E_WAR01B08 / Ware River / Portion of VDH condemnation notice 043-096A, 8/6/2018 not included in condemnation 96A and 96B, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.168

Shortened in the 2020 cycle.

MOBPH

VAP-C05E_WAR02A02 / Ware River / Ware River downstream of	4A	Aquatic Plants (Macrophytes)	2006	L	6.309

Chesapeake Bay/Atlantic/Small Coastal Basins

SFC 096.

MOBPH

VAP-C05E_WAR02B18 / Ware River, UT / Described in VDH-DSS condemnation 043-096C, 5/27/2015.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010

MOBPH

VAP-C05E_WAR02C20 / Ware River / Described in VDH-DSS condemnation 043-096S26, 8/6/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.094

MOBPH

VAP-C05E_WIL01A98 / Wilson Creek / Described in the condemnation notice 106, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033

MOBPH

VAP-C05E_WIL01B08 / Wilson Creek / Portion of VDH condemnation notice 043-096B, 8/6/2018 not included in condemnation notice 106, 8/12/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.142

Size reduced in the 2020 cycle.

MOBPH

VAP-C05E_XDJ01A08 / XDJ - Wilson Creek, UT / Tidal limit to mouth at Wilson Creek.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010

MOBPH

VAP-C05E_ZZZ01A00 / Unsegmented estuaries in C05 / Unsegmented portion of the watershed.	4A	Aquatic Plants (Macrophytes)	2006	L	0.252

MOBPH

VAP-C06E_BLV01A20 / Blevins Creek / Described in VDH-DSS condemnation 045-125B, 12/12/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.051

MOBPH

VAP-C06E_BRB01A08 / Browns Bay / Described in VDH Shellfish Condemnation 125B, 12/31/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021

MOBPH

VAP-C06E_BRB01B12 / Browns Bay / Portion of VDH Shellfish Condemnation 045-125M1, 12/12/2017 not included in 125B, 12/31/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024

MOBPH

VAP-C06E_FSC01A98 / Free School Creek / Described in VDH Shellfish Condemnation 044-093A, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.039

MOBPH

VAP-C06E_FSC01B12 / Free School Creek / Portion of TMDL study area open for harvest on 044-093, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027

MOBPH

VAP-C06E_HEY01A98 / Heywood Creek / Described in the condemnation notice 044-054B, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.081

Chesapeake Bay/Atlantic/Small Coastal Basins

MOBPH VAP-C06E_HEY01B10 / Heywood Creek / Portion of condemnation notice 101, 4/1/1997 open in condemnation 044-054, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
MOBPH VAP-C06E_MNC01A98 / Monday Creek / Portion of VDH-DSS condemnation notice 25A, 12/31/1996 open on 12/12/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030
MOBPH VAP-C06E_MNC01B18 / Monday Creek / Described in VDH-DSS condemnation notice 045-125A, 12/12/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.053
MOBPH VAP-C06E_ROW01A06 / Rowes Creek / Described in VDH-DSS Shellfish Condemnation 044-054M2, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.067
MOBPH VAP-C06E_SEN01A02 / Northwest Branch Severn River / Described in condemnation notice 044-093B, 5/30/2018, excluding tributary XEE. Size increased in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.127
MOBPH VAP-C06E_SEN01B16 / Northwest Branch Severn River, UT / Described in VDH-DSS condemnation notice 044-093D, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
MOBPH VAP-C06E_SEN01C10 / Northwest Branch Severn River / Portion of condemnation notice 93A, 4/1/1997 open on 044-093, 5/30/2018. Size reduced in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.167
MOBPH VAP-C06E_SEN02A06 / Northwest Branch Severn River / Mainstem and tribs not otherwise segmented	4A	Aquatic Plants (Macrophytes)	2006	L	0.441
MOBPH VAP-C06E_SES01A00 / Southwest Branch Severn River / Mainstem	4A	Aquatic Plants (Macrophytes)	2006	L	0.635
MOBPH VAP-C06E_SEV02A00 / Severn River / End of NW Branch to mouth, unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	3.258
MOBPH VAP-C06E_STR01A08 / Sterling Creek / Described in VDH Shellfish Condemnation 044-093E, 4/2/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.021
MOBPH VAP-C06E_THC01A98 / Thorntons Creek / Described in the condemnation notice 044-054A, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.063

Chesapeake Bay/Atlantic/Small Coastal Basins

Expanded slightly in the 2020 cycle.

MOBPH

VAP-C06E_THC01B10 / Thorntons Creek / Portion of condemnation notice 054, 4/1/1997 open in condemnation 044-054, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016

Size reduced slightly in the 2020 cycle.

MOBPH

VAP-C06E_VGH01A98 / Vaughans Creek / Described in the condemnation notice 044-093C, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.102

Expanded in the 2020 cycle.

MOBPH

VAP-C06E_VGH01B10 / Vaughans Creek / Portion of condemnation notice 093B, 4/1/1997 open on 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019

Size reduced in the 2020 cycle.

MOBPH

VAP-C06E_WET01A06 / Willetts Creek / Described in VDH Shellfish Condemnation 044-054M1, 5/30/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.033

MOBPH

VAP-C06E_WET01B08 / Willetts Creek / Described in VDH Condemnation 044-054C, 2/15/2006.	4A	Aquatic Plants (Macrophytes)	2006	L	0.128

MOBPH

VAP-C06E_WTT01A08 / Whitaker Creek / Tidal extent of Whitaker Creek.	4A	Aquatic Plants (Macrophytes)	2006	L	0.066

MOBPH

VAP-C06E_XEE01A10 / XEE - Northwest Branch Severn River, UT / Tidal limit to mouth at NW Branch Severn River	4A	Aquatic Plants (Macrophytes)	2012	L	0.003

MOBPH

VAP-C06E_ZZZ01A00 / Unsegmented estuaries in C06 / Unsegmented portion of the watershed.	4A	Aquatic Plants (Macrophytes)	2006	L	1.301

MOBPH

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 (20181018) and 054-021 (20151102) 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. DSS shellfish condemnation # 054-215 M1 (Seasonal)(effective 20181018).	4A	Aquatic Plants (Macrophytes)	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),	4A	Aquatic Plants (Macrophytes)	2006	L	0.034

east of Harris R & adjacent to Inlet #2. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-215 B, 20181018.					
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 &M1 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.281
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 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.078
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 20180425).	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 20180425).	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) Shellfish condemnation # 053-222 and M1(effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.209
VAT-C07E_BEN03A16 / Bennett Creek-Mouth / Mouth of Bennett Creek. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	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 20181018).	4A	Aquatic Plants (Macrophytes)	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 C(effective 20180425).	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 20180425).	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 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
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 20180425).	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.	4A	Aquatic Plants (Macrophytes)	2006	L	0.109

portion) effective 20181018. CBP Segment MOBPH.					
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 & seasonal M2 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.408
VAT-C07E_CHS02A06 / Chisman Creek - Lower / Lower 2/3 of creek, downstream from area of Evergreen Shores (RM 0.9) to mouth. CBP Segment MOBPH. DSS (OPEN) condemnation # 053-221 & M1(effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.560
VAT-C07E_CHS03A20 / Chisman Creek - Lower / First inlet on the right coming into the mouth of the Chisman. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 & M1(effective 20180425).	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 (OPEN) shellfish condemnation # 053-222 (effective 20180511). 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 20180425). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
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 (effective 20180425). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
VAT-C07E_FRT01A06 / Front Cove - Upper / North shore trib. to mainstem Back R. Adjacent to Messick Point. DSS shellfish condemnation # 054-021 D (effective 20181018). 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 M1 (effective 20181018). 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 20181018).	4A	Aquatic Plants (Macrophytes)	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 20181018).	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 B (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.065
VAT-C07E_GOO02A14 / Goose Creek- Lower / From Rivermile 0.27 to mouth. CBP Segment MOBPH. DSS Restricted-condemnation # 053-221 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.036
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 20181018). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.198
VAT-C07E_HAR02A10 / Harris River - Mouth / South shore trib. to mainstem Back R. East shore area at mouth. Adjacent to Fox Hill	4A	Aquatic Plants (Macrophytes)	2006	L	0.160

area. CBP Segment MOBPH. DSS (OPEN) shellfish area # 054-215 (effective 20181018).					
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) shellfish condemnation # 054-215 M2 (effective 20181018).	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 Restricted-condemnation # 053-137 (effective 20180425).	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 C (effective 20181018).	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 OPEN condemnation # 054-021 (effective 20181018). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	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 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.135
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 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.028
VAT-C07E_LON01A06 / Long Creek - Back River / South shore trib. to mainstem Back R. Adjacent to Grandview natural Preserve area. CBP Segment MOBPH. DSS shellfish harvesting condemnation # 054-215 C (effective 20181018).	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 20181018).	4A	Aquatic Plants (Macrophytes)	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 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAT-C07E_LYO01A06 / Lyons Creek - Upper & Middle / 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 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.070
VAT-C07E_LYO02A06 / Lyons Creek - 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 (effective 20180425).	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	4A	Aquatic Plants (Macrophytes)	2006	L	0.073

B (effective 20181018).					
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 20181018).	4A	Aquatic Plants (Macrophytes)	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 20181018).	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 20181018). CBP Segment MOBPH.	4A	Aquatic Plants (Macrophytes)	2006	L	0.248
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 (OPEN) shellfish condemnation # 054-021 (effective 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.961
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 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.518
VAT-C07E_POQ02A06 / Poquoson River - Lower [DSS-OPEN] / From Calthrop Neck downstream to mouth of Hodges Cove. CBP Segment MOBPH. DSS (OPEN) shellfish harvesting condemnation # 053-137 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.834
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 # 053-137 (effective 20180425).	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 20180425).	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 20180425).	4A	Aquatic Plants (Macrophytes)	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 20180425).	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 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.706
VAT-C07E_SWB02A08 / Southwest Br. Back River - Mouth / Lower portion to confluence with mainstem Back R. CBP Segment MOBPH. Portion of DSS shellfish (OPEN) condemnation # 054-021 (effective 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.568

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.413
VAT-C07E_TBC01A04 / Tabbs Creek - NW Br Back River / Tributary to Northwest Branch Back River, entirety of creek. CBP segment MOBPH. Portion of DSS shellfish condemnation # 054-021 E (effective 20181018).	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 20181018).	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 20180425).	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 20181018).	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 (effective 20181018).	4A	Aquatic Plants (Macrophytes)	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. Portion of DSS Shellfish condemnation # 053-222 C and seasonal M1 (effective 20180425).	4A	Aquatic Plants (Macrophytes)	2006	L	0.145
VAT-C07E_ZZZ01A00 / Unsegmented estuaries in Back River / Non segmented areas of C07E. CBP Segment MOBPH. No DSS direct shellfish harvesting condemnation.	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 20181018).	4A	Aquatic Plants (Macrophytes)	2006	L	0.097

Chesapeake Bay segment MOBPH (Mobjack Bay)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shallow-Water Submerged Aquatic Vegetation			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**411.683**		

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)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* PIAMH-SAV-BAY** **Piankatank Mesohaline Estuary**

Cause Location: The Piankatank Mesohaline estuary.

City / County: Gloucester Co. Mathews Co. Middlesex Co.

Use(s): Aquatic Life Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

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.	4A	Aquatic Plants (Macrophytes)	2006	L	0.823
PIAMH					
VAP-C03E_COB02B20 / Cobbs Creek / Described in VDH-DSS condemnation 034-126S70, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.037
PIAMH					
VAP-C03E_COB02C10 / Cobbs Creek / Described in VDH-DSS condemnation 034-126B, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.049
PIAMH					
VAP-C03E_COR01A08 / Cores Creek / Described in VDH-DSS condemnation 034-208D, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
PIAMH					
VAP-C03E_DAN01A08 / Dancing Creek / Described in VDH condemnation 025-076C, 12/28/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
PIAMH					
VAP-C03E_FER01A98 / Ferry Creek / Described in condemnation notices 035-076B and -076F, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.093
Split in the 2020 cycle.					
PIAMH					
VAP-C03E_FER01B20 / Ferry Creek / Portion of Ferry Creek that is not closed for oyster harvest.	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
Split in the 2020 cycle.					
PIAMH					
VAP-C03E_FRE01A02 / Frenchs Creek / As described in the condemnation notice 035-076D, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.010
PIAMH					
VAP-C03E_HEA01A02 / Healy Creek / Described in VDH-DSS	4A	Aquatic Plants (Macrophytes)	2006	L	0.047

Chesapeake Bay/Atlantic/Small Coastal Basins

Shellfish Condemnation Notice 034-208A, 12/28/2018.

Split in the 2020 cycle.

PIAMH

VAP-C03E_HEA01B20 / Healy Creek / Described in VDH-DSS Shellfish Condemnation Notice 034-208S67, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.024

PIAMH

VAP-C03E_HRP01A98 / Harper Creek / Described in the condemnation notice 076B, 6/10/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.062

PIAMH

VAP-C03E_JCK01A98 / Jackson Creek / Described in VDH-DSS condemnation notice 84A, 11/1/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019

PIAMH

VAP-C03E_JCK01B08 / Jackson Creek / Described in VDH-DSS condemnation notice 084B, 11/1/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.015

Expanded and merged in the 2020 cycle.

PIAMH

VAP-C03E_JCK01C08 / Jackson Creek / Mainstem portion of condemnation notice 033-084A, 12/11/2018 not included in 84A, 11/1/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030

Expanded in the 2020 cycle.

PIAMH

VAP-C03E_JCK01C14 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084C, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.040

PIAMH

VAP-C03E_JCK02A20 / Jackson Creek / Portion of VDH-DSS condemnation notice 033-084D, 12/11/2018 not included in 084B, 11/1/1996.	4A	Aquatic Plants (Macrophytes)	2006	L	0.032

PIAMH

VAP-C03E_JCK02B16 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084E, 11/12/2014.	4A	Aquatic Plants (Macrophytes)	2006	L	0.011

PIAMH

VAP-C03E_JCK02C10 / Jackson Creek / Described in VDH-DSS condemnation notice 033-084M1, 12/11/2018 (not included in 084A and 084B, 11/1/1996.)	4A	Aquatic Plants (Macrophytes)	2006	L	0.145

Segment shortened and split in the 2020 cycle.

PIAMH

VAP-C03E_JCK03C10 / Jackson Creek, UT / Described in VDH-DSS condemnation notice 033-084B, 12/11/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013

PIAMH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C03E_MRE01A02 / Moore Creek / As described in the condemnation notice 034-208C, 12/28/2018. Size increased in the 2020 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.069
VAP-C03E_PNK01A02 / Piankatank River / Portions of VDH-DSS condemnation 035-076A, 11/21/2016 open on 6/10/1997. Segment ends at 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, 12/28/2018 downstream to PNK03A00, excluding the Berkley Island area. Split in the 2020 cycle. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	3.355
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 Boat Landing downstream to end of VDH-DSS Condemnation 035-076S65, 12/28/2018. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.652
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, 12/28/2018. 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, 12/28/2018. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.085
VAP-C03E_PNK04D08 / Porpoise Cove / As described in VDH-DSS SFC 034-208B, 12/28/2018. PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.011
VAP-C03E_PNK05A02 / Piankatank River / Piankatank River	4A	Aquatic Plants (Macrophytes)	2006	L	4.942

Chesapeake Bay/Atlantic/Small Coastal Basins

downstream of Fishing Bay at Stove Point to mouth at Chesapeake Bay

PIAMH

VAP-C03E_PNK07B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126S71, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.007

PIAMH

VAP-C03E_PNK08B08 / Piankatank River, UT / Described in VDH-DSS SFC 034-126S72, 12/28/2018	4A	Aquatic Plants (Macrophytes)	2006	L	0.003

PIAMH

VAP-C03E_WLT01A98 / Wilton Creek / Described in the condemnation notice 034-126A, 12/28/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.111

Split in the 2020 cycle.

PIAMH

VAP-C03E_WLT01B20 / Wilton Creek / Portion of VDH-DSS condemnation 126, 3/2/1993 that is not condemned.	4A	Aquatic Plants (Macrophytes)	2006	L	0.023

PIAMH

VAP-C03E_ZZZ01B14 / Unsegmented estuaries in C03 / Unsegmented portion of watershed CB11.	4A	Aquatic Plants (Macrophytes)	2006	L	0.146

PIAMH

VAP-C04E_BLL01A16 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 open 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002

Size reduced in the 2020 cycle.

PIAMH

VAP-C04E_BLL01A98 / Billups Creek / Portion of VDH-DSS condemnation notice 204, 4/4/1997 closed on 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.044

PIAMH

VAP-C04E_BLL02A16 / Billups Creek / Billups Creek not otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.317

PIAMH

VAP-C04E_BLL02B20 / Billups Creek / Portion of VDH-DSS condemnation 037-061B, 2/21/2017 open on 4/4/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006

PIAMH

VAP-C04E_BLL02C12 / Billups Creek / Described in condemnation notice 037-061M3, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.005

PIAMH

VAP-C04E_BRN01A04 / Barn Creek / Described in VDH-DSS condemnation notice 036-197C, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.047

Expanded in the 2020 cycle.

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH

VAP-C04E_EDW01B18 / Edwards Creek / Described in VDH condemnation notice 197A, 1/21/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.027

Merged in the 2020 cycle.

PIAMH

VAP-C04E_EDW02A98 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197B, 1/21/1997 open 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.041

Split in the 2020 cycle.

PIAMH

VAP-C04E_EDW02B20 / Edwards Creek / Portion of VDH-DSS condemnation notice 036-197D, 2/11/2017 included in 197B, 1/21/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006

PIAMH

VAP-C04E_HKC01A08 / Hickorynut Cove / Tidal limit to mouth at Milford Haven	4A	Aquatic Plants (Macrophytes)	2006	L	0.023

PIAMH

VAP-C04E_HUD01A08 / Hudgins Creek / Described in VDH-DSS Condemnation 037-061E, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016

PIAMH

VAP-C04E_LAN01A02 / Lanes Creek / As described in condemnation notice 037-099E, 3/8/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.020

PIAMH

VAP-C04E_LAN01B08 / Lanes Creek, UT / Described in VDH Shellfish Condemnation 037-099C, 3/8/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.002

PIAMH

VAP-C04E_MID01A02 / Winder Creek / As described in the condemnation notice 037-099B, 3/8/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025

PIAMH

VAP-C04E_MLF01A98 / Milford Haven / Described in the condemnation notice 036-197A, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.029

PIAMH

VAP-C04E_MLF02A98 / Milford Haven / Described in the condemnation notice 036-197E, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.030

PIAMH

VAP-C04E_MLF03A00 / Milford Haven / Downstream of SFC 036-197, 2/11/2017 except as otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	1.411

PIAMH

VAP-C04E_MLF04A06 / Milford Haven / Hills Bay	4A	Aquatic Plants (Macrophytes)	2006	L	2.283

PIAMH

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_MLF05A06 / Milford Haven / Described in VDH-DSS condemnation 036-197M1, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
PIAMH					
VAP-C04E_MRC01A98 / Morris Creek / Described in condemnation notice 61B, 4/4/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.034
PIAMH					
VAP-C04E_QUE01A98 / Queens Creek / Described in VDH-DSS condemnation notice 99A, 4/9/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.163
Merged with AU QUE01D12 in the 2020 cycle.					
PIAMH					
VAP-C04E_QUE01B10 / Queens Creek / Described in condemnation notices 037-099M1, 3/8/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.031
PIAMH					
VAP-C04E_QUE01C10 / Queens Creek / Below condemnation notice 99A, 4/7/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.061
PIAMH					
VAP-C04E_QUE02A12 / Queens Creek, UT / Described in condemnation notice 037-099D, 3/8/2018.	4A	Aquatic Plants (Macrophytes)	2006	L	0.019
PIAMH					
VAP-C04E_STO01A08 / Stoakes Creek / Described in VDH Shellfish Condemnation 037-061M1, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.006
PIAMH					
VAP-C04E_STO01B14 / Stoakes Creek / Tidal limit to mouth unless otherwise segmented.	4A	Aquatic Plants (Macrophytes)	2006	L	0.289
PIAMH					
VAP-C04E_STT01A98 / Stutts Creek / Described in VDH-DSS condemnation notice 061A, 4/4/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.089
Merged with STT01A14 in the 2020 cycle.					
PIAMH					
VAP-C04E_STT01B06 / Stutts Creek, UT (Hole in the Wall) / Described in VDH-DSS condemnation 037-061M5, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
PIAMH					
VAP-C04E_STT01B10 / Stutts Creek/Morris Creek / Portion of VDH condemnation notice 037-061C, 2/21/2017 not condemned on 4/4/1997.	4A	Aquatic Plants (Macrophytes)	2006	L	0.045
Expanded slightly in the 2020 cycle.					
PIAMH					
VAP-C04E_STT01C14 / Stutts Creek / Described in VDH condemnation notice 037-061M4, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.013

Chesapeake Bay/Atlantic/Small Coastal Basins

PIAMH VAP-C04E_STT02A00 / Stutts Creek / Morris Creek / Downstream limit of condemnation to Fanneys Point, except as otherwise segmented. Split in the 2020 cycle.	4A	Aquatic Plants (Macrophytes)	2006	L	0.229
PIAMH VAP-C04E_STT02B20 / Stutts Creek, UT / Described in VDH-DSS condemnation 037-061D, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.009
PIAMH VAP-C04E_STT04A06 / Stutts Creek / Described in VDH-DSS SFC 037-061M2, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.025
PIAMH VAP-C04E_STT05A10 / Stutts Creek (Hole in the Wall) / From Point Breeze downstream to its mouth at the Chesapeake Bay.	4A	Aquatic Plants (Macrophytes)	2006	L	1.037
PIAMH VAP-C04E_WHA01A06 / Wharf Creek / Described in VDH-DSS SFC 036-197M2, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.018
PIAMH VAP-C04E_WHI01A08 / Whites Creek / Whites Creek around Festival Beach	4A	Aquatic Plants (Macrophytes)	2006	L	0.046
PIAMH VAP-C04E_WHI01B12 / Whites Creek / Stutts Creek to Festival Beach	4A	Aquatic Plants (Macrophytes)	2006	L	0.271
PIAMH VAP-C04E_XFE01A16 / XFE - Piankatank River, UT (aka Kibble Pond) / Described in VDH-DSS condemnation 036-197B, 2/21/2017.	4A	Aquatic Plants (Macrophytes)	2006	L	0.016
PIAMH VAP-C04E_ZZZ01A00 / Unsegmented estuaries in C04 / Unsegmented portion of the watershed within PIAMH	4A	Aquatic Plants (Macrophytes)	2006	L	0.739

Piankatank Mesohaline Estuary **Shallow-Water Submerged Aquatic Vegetation**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**25.824**		

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)
Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)		

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 CPB segment POCMH.

City / County: Accomack Co.

Use(s): Aquatic Life — Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

Submerged aquatic vegetation goal is 4067 acres and only 83% 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. Only 70% of water clarity goal met according to 2014 and 2015 Dataflow surveys.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_POC01B18 / Pocomoke Sound / Pocomoke Sound - VDH DSS condemnation #075-033 (Restricted)	4A	Aquatic Plants (Macrophytes)	2006	L	2.480
VACB-C10E_POC01C20 / Pocomoke Sound / Pocomoke Sound - VDH DSS #075-033 (Open)	4A	Aquatic Plants (Macrophytes)	2006	L	3.347
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	41.048
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 20170620).	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 20170620).	4A	Aquatic Plants (Macrophytes)	2006	L	0.101
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 20170620).	4A	Aquatic Plants (Macrophytes)	2006	L	0.041
VAT-C10E_GLF01A06 / Guilford Creek - Upper / 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 20180725).	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 Restricted-condemnation direct harvesting condemnation # 076-176 (effective 20180725).	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	0.026

Chesapeake Bay/Atlantic/Small Coastal Basins

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 20180620).	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 20170620).	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 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.042
VAT-C10E_MES02A06 / Messongo Creek - Middle [TMDL-732] / South of Town of Belinda. Portion of CBP segment POCMH. TMDL P# 732- SF. DSS Condemnation # 076-167 (effective 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.156
VAT-C10E_MES02B08 / Messongo Creek - Middle [No TMDL] / Located south of Saxis and Belinda Rd intersection. Portion of CBP segment POCMH. DSS Restricted condemnation # 076-167 (effective 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.341
VAT-C10E_MES03A06 / Messongo Creek - Lower / Located south of Saxis and Belinda Rd intersection downstream to the mouth. Portion of CBP segment POCMH. No DSS shellfish direct harvesting condemnation.	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 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.301
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 Restricted condemnation # 076-176 (effective 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.048
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. No DSS shellfish direct harvesting condemnation.	4A	Aquatic Plants (Macrophytes)	2006	L	0.060
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 20180725).	4A	Aquatic Plants (Macrophytes)	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 (effective 20180725).	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 Restricted-condemnation shellfish direct harvesting condemnation # 076-176 (effective 20180725).	4A	Aquatic Plants (Macrophytes)	2006	L	0.172

Chesapeake Bay/Atlantic/Small Coastal Basins

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	2.975
VAT-C10E_ZZZ02B10 / Unsegmented Bay Waters in C10E-POCMH - Doe Cr / Non-segmented portions of Bay Waters in C10E-POCMH. DSS (OPEN) shellfish direct harvesting condemnation area # 077-138 (20170620).	4A	Aquatic Plants (Macrophytes)	2006	L	0.365

Chesapeake Bay segment POCMH (Pocomoke Sound)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shallow-Water Submerged Aquatic Vegetation			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**54.196**		

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)

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4C

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 / Bullbegger 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.	4C	Dissolved Oxygen			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 20180725).	4C	Dissolved Oxygen			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 20180725).	4C	Dissolved Oxygen			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 20180725).	4C	Dissolved Oxygen			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 20180725).	4C	Dissolved Oxygen			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 (effective 20180725).	4C	Dissolved Oxygen			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 20180725).	4C	Dissolved Oxygen			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	4C	Dissolved Oxygen			0.050

Chesapeake Bay/Atlantic/Small Coastal Basins

POCOH. Portion of DSS shellfish condemnation # 075-033 A (effective 20180725).

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 20180725).	4C	Dissolved Oxygen	1.452

Pocomoke River System CBP segment POCOH (Pocomoke River)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Aquatic Life			
Dissolved Oxygen - Total Impaired Size by Water Type:	**2.839**		

Sources:

Internal Nutrient Recycling Loss of Riparian Habitat Natural Sources

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

Chesapeake Bay/Atlantic/Small Coastal Basins

***Cause Group Code:* R01E-01-SF** **Chesapeake Bay - Northern Portion of CBP Segment CB7PH**

Cause Location: The cause encompasses the assessment unit VACB-R01E_CB7N01A20.

City / County: Chesapeake Bay - County N/a.

Use(s): Shellfishing

Cause(s) / VA Category: Fecal Coliform / 5B

VDH DSS condemnation #075 (Restricted) effective 6/14/2018

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-R01E_CB7N01A20 / Chesapeake Bay - Northern portion of CBP Segment CB7PH / Chesapeake Bay - VDH DSS condemnation #075 (Restricted)	5B	Fecal Coliform	2020	L	0.023

Chesapeake Bay - Northern Portion of CBP Segment CB7PH **Shellfishing**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Fecal Coliform - Total Impaired Size by Water Type:	**0.023**		

Sources:

Source Unknown

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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 CPB segment TANMH.

City / County: Accomack Co.

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Dissolved Oxygen / 4A Dissolved Oxygen / 4D

The 30-day dissolved oxygen criteria for open water use is meeting for the 2020 assessment. There are insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use. All Open Water criteria must be assessed until segment can be delisted for DO.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / 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, DSS Area C. / Waters surrounding Tangier Island. Portion of CBP segment TANMH. DSS (ADMINISTRATIVE) shellfish condemnation # 078-086, section B effective 11/6/2013	4D	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).	4D	Dissolved Oxygen	2006	L	0.196
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. Split from VACB-C10E-TAN.	4D	Dissolved Oxygen	2006	L	2.169
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	4D	Dissolved Oxygen	2006	L	118.980

Chesapeake Bay segment TANMH (Tangier Sound) **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Dissolved Oxygen - Total Impaired Size by Water Type:	**122.751**		

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)			

Fact Sheets for Impaired (Category 4 or 5) Waters in 2020

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.

City / County: Accomack Co.

Use(s): Aquatic Life — Shallow-Water Submerged Aquatic Vegetation

Cause(s) / VA Category: Aquatic Plants (Macrophytes) / 4A

The acres of submerged aquatic vegetation (SAV) mapped through aerial surveys do not meet the criteria. Submerged Aquatic Vegetation acres goal is 13,585 acres but only 67% of this goal was achieved in the most recent 3 years. There is insufficient data to assess the water clarity criteria.

Assessment Unit / Water Name / Location Desc.	Cause Category	Cause Name	Cycle First Listed	TMDL Dev. Priority	Water Size
VACB-C10E_TNN01A06 / Tangier North Channel and Adjacent Waters, DSS Area A and B. / 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, DSS Area C. / 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	0.196
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. Split from VACB-C10E-TAN.	4A	Aquatic Plants (Macrophytes)	2006	L	2.169
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	118.980

Chesapeake Bay segment TANMH (Tangier Sound)	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Shallow-Water Submerged Aquatic Vegetation			
Aquatic Plants (Macrophytes) - Total Impaired Size by Water Type:	**122.751**		

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)