

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Barrows Run**

TMDL Group ID: **60074**

<b>VAN-E02R_BRW01A06</b>	<b>Barrows Run</b>	<b>FAUQUIER CO</b>	Segment begins at the headwaters of Barrows Run and continues downstream until the confluence with the Rappahannock River.
--------------------------	--------------------	--------------------	--

VA Overall AU Category: <b>5A</b>	Impairment	4.93 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>		60074	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-BRW000.29) at Spring Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation						

Sources: Source Unknown

TMDL Watershed Name: **Beautiful Run**

TMDL Group ID: **60083**

<b>VAN-E13R_BFL01A04</b>	<b>Beautiful Run</b>	<b>MADISON CO</b>	Segment begins at the confluence of an unnamed tributary, upstream from Route 620, and continues downstream until the confluence with the Rapidan River.
--------------------------	----------------------	-------------------	--

VA Overall AU Category: <b>5A</b>	Impairment	1.08 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>		60083	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 5 samples - 80.0%) were recorded at DEQ's ambient water quality monitoring station (3-BFL000.90) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation						

Sources: Source Unknown

Recreation	<b>Fecal Coliform</b>		60083	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (3-BFL000.90) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
------------	-----------------------	--	-------	-------------	-------------	--

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Bells Creek

TMDL Group ID: 01069

**VAP-E26E\_BES01A98**      **Bells Creek**      LANCASTER CO      The boundaries are described in VDH shellfish condemnation 021-058B, 4/21/2004.  
Size adjusted in 2006, although area did not change  
CRRMH

VA Overall AU Category: <b>5A</b>	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01069	<b>1998</b>	<b>2010</b>	VAP-E26E-15
Shellfishing						VDH shellfish condemnation 021-058B, 4/21/2004

Sources: Source Unknown

TMDL Watershed Name: Belwood Swamp

TMDL Group ID: 01097

**VAP-E26E\_BLD01A98**      **Belwood Swamp**      LANCASTER CO      Tidal limit to its mouth at the Western Branch Corrotoman River.  
Previously called riverine  
CRRMH

VA Overall AU Category: <b>5A</b>	Impairment	0.01 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01097	<b>2002</b>	<b>2014</b>	VAP-E26E-27 (see 2004 fact sheet VAP-E26R-01)
Recreation						The segment was initially assessed in 1998 as fully supporting but threatened of the Recreation Use based on violations of the fecal coliform standard at monitoring station 3-BLD000.58, located at the Route 3 bridge. During the year 2002 cycle, the segment was downgraded to impaired. During the 2004 cycle, the segment continued to be impaired (see 2004 fact sheet VAP-E26R-01).  However, in the 2006 cycle, it was determined that the station is tidally influenced and had been mistakenly considered riverine. The station remains impaired for fecal coliform. The fact sheet and AU were renamed. The TMDL is due in 2014.

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Black Swamp**

TMDL Group ID: **10105**

**VAP-E23R\_BLA01A06**      **Black Swamp**      **WESTMORELAND CO**      **Black Swamp from its headwaters downstream to Chandlers Millpond**

VA Overall AU Category: **5C**  
Use

Impairment	4.31 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>	10105	<b>2006</b>	<b>2018</b>	VAP-E23R-14

During the 2006 cycle, Black Swamp was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 6/15 at 3-BLA002.31.

This segment is nested within VAP-E23R-01.

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

TMDL Watershed Name: **Black Walnut Run**

TMDL Group ID: **60095**

**VAN-E17R\_BWR01A06**      **Black Walnut Run**      **ORANGE CO**      **Segment begins at the Route 621 crossing and continues downstream until the confluence with Mine Run.**

VA Overall AU Category: **5A**  
Use

Impairment	6.45 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>	60095	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 15 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-BWR004.13) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 15 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-BWR004.13) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Blue Run	
TMDL Group ID:		00319	
<b>VAN-E13R_BLU01A00</b>	<b>Blue Run</b>	ORANGE CO	Segment begins at the confluence with Barbour Run, approximately 0.13 rivermile upstream of the Southern Rail Road bridge, and continues downstream until the confluence with the Rapidan River.
VA Overall AU Category: <b>5A</b>	Impairment	4.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Escherichia coli</b>	00319	<b>2006 2010</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU002.60) at the Route 20 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
		Sources: Source Unknown	
Recreation	<b>Fecal Coliform</b>	00319	<b>2002 2010</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (7 of 20 samples - 35.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU002.60) at the Route 20 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown	
<hr/>			
<b>VAN-E13R_BLU02A04</b>	<b>Blue Run</b>	ALBEMARLE CO ORANGE CO	Segment begins at the headwaters of Blue Run and continues downstream until the confluence with Barbour Run.
VA Overall AU Category: <b>5A</b>	Impairment	7.40 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	00319	<b>2006 2018</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-BLU006.44), at the bridge for an unnamed road through Tibbstown, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown	
<hr/>			
TMDL Watershed Name:		Bookers Mill Stream	
TMDL Group ID:		01054	
<b>VAP-E24R_BMS01A98</b>	<b>Bookers Mill Stream</b>	RICHMOND CO	Bookers Mill Stream in its entirety.
VA Overall AU Category: <b>5A</b>	Impairment	6.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>	01054	<b>2002 2014</b> VAP-E24R-01
		Sources: Source Unknown	Bookers Mill Stream was assessed not supporting of the Recreation Use support goal in 2004 based on a fecal coliform violation rate of 4/19 recorded at the Route 612 bridge (3-BMS002.00). Monitoring was discontinued in 2001.

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Broad Creek**

TMDL Group ID: **01071**

<b>VAP-E26E_BRD02A00</b>	<b>Broad Creek</b>	<b>MIDDLESEX CO</b>	The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004 RPPMH
--------------------------	--------------------	---------------------	--

VA Overall AU Category: <b>5A</b>	Impairment	0.03 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01071	<b>1998</b>	<b>2010</b>	VAP-E26E-21
Shellfishing						VDH shellfish condemnation 033-038A, 12/30/2004
Sources: Industrial Point Source Discharge Municipal Point Source Discharges Source Unknown						

TMDL Group ID: **10083**

<b>VAP-E26E_BRD01A00</b>	<b>Broad Creek</b>	<b>MIDDLESEX CO</b>	The boundaries are defined in VDH shellfish condemnation 038B, 12/30/2004 RPPMH
--------------------------	--------------------	---------------------	--

VA Overall AU Category: <b>5A</b>	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Enterococcus</b>		10083	<b>2006</b>	<b>2018</b>	VAP-E26E-20
Recreation						Broad Creek was considered fully supporting but threatened of the Recreation Use in 1998 due to BPJ (6 dischargers into embayment), but there were acceptable FC violation rates at station 3-BRD000.62 in both the 2002 and 2004 cycles, so it was dropped in 2004. In the 2006 cycle, the fecal coliform violation rate remained acceptable (0/23), however the enterococci violation rate failed (2/9), therefore the segment is considered impaired of the Recreation Use. The TMDL is due in 2018.
Sources: Industrial Point Source Discharge Municipal Point Source Discharges Source Unknown						

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Broad Creek	
TMDL Group ID:		10083	
VAP-E26E_BRD02A00	Broad Creek	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 038A, 12/30/2004 RPPMH
VA Overall AU Category: 5A Use	Impairment	0.03 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Enterococcus		10083 2006 2018 VAP-E26E-20
Sources: Industrial Point Source Discharge Municipal Point Source Discharges Source Unknown			
VAP-E26E_BRD03A00	Broad Creek	MIDDLESEX CO	The boundaries are defined in VDH shellfish condemnation 033-038C, 12/30/2004. Sq. mileage adjusted in 2006, although area did not change RPPMH
VA Overall AU Category: 5A Use	Impairment	0.03 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Enterococcus		10083 2006 2018 VAP-E26E-20
Sources: Industrial Point Source Discharge Municipal Point Source Discharges Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Broad Creek	
TMDL Group ID:		10083	
VAP-E26E_BRD04A00	Broad Creek	MIDDLESEX CO	Described in VDH-DSS condemnation 033-038M1, 12/3/2004 Size reduced in 2006 RPPMH
VA Overall AU Category: 5A	Impairment	0.03 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Enterococcus	10083	2006 2018 VAP-E26E-20
Sources: Industrial Point Source Discharge Municipal Point Source Discharges Source Unknown			
TMDL Watershed Name:		Browns Run	
TMDL Group ID:		00835	
VAN-E08R_BOS01A02	Browns Run	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Browns Run, near the Route 17 bridge, and continues downstream until the confluence with Marsh Run.
VA Overall AU Category: 5A	Impairment	2.39 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	00835	2002 2014 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (3-BOS000.72) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Carter Cove

TMDL Group ID: 01078

VAP-E26E_CTR04A02	Carter Cove	LANCASTER CO	As described in VDH-DSS SFC 020-041C, 12/17/2004 RPPMH
-------------------	-------------	--------------	---

VA Overall AU Category: <b>5A</b>	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01078	<b>2002</b>	<b>2014</b>	VAP-E26E-30 VDH shellfish condemnation 020-041C, 12/17/2004 Was threatened in 1998 b/c it was part of the seasonal condemnation. Was downgraded during 2002 cycle.
Shellfishing						

Sources: Source Unknown

TMDL Watershed Name: Carter Creek

TMDL Group ID: 01077

VAP-E26E_CTR02A00	Carter Creek	LANCASTER CO	The segment boundaries are delineated in VDH shellfish condemnation 041E 12/17/2004. Size adjusted in 2006 RPPMH
-------------------	--------------	--------------	--

VA Overall AU Category: <b>5A</b>	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01077	<b>1998</b>	<b>2010</b>	VAP-E26E-19 VDH-DSS condemnation 020-041B, 12/17/2004
Shellfishing						

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Carter Creek, Eastern Branch**

TMDL Group ID: **01072**

VAP-E26E_CEB01A00	Eastern Branch Carter Creek	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004.  Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open.  RPPMH
-------------------	-----------------------------	--------------	--

VA Overall AU Category: <b>5A</b>	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01072	<b>1998</b>	<b>2016</b>	VAP-E26E-17
Recreation						In the 2004 cycle, the segment was also listed as impaired of the Recreation Use goal based on a fecal coliform violation rate of 5/38 at 3-CEB001.92, located at Route 200. Although the violation rate in the 2006 cycle dropped to 0/15, the monitoring ceased in 2002, therefore the previous impairment is carried over. The TMDL is due in 2014.

Sources: Source Unknown

TMDL Group ID: **01073**

VAP-E26E_CEB01A00	Eastern Branch Carter Creek	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 041A, 12/17/2004.  Segment was expanded in 2006 cycle and now incorporates CEB02A00 (Bridge Cove), which was previously open.  RPPMH
-------------------	-----------------------------	--------------	--

VA Overall AU Category: <b>5A</b>	Impairment	0.25 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		01073	<b>1998</b>	<b>2010</b>	VAP-E26E-17
Shellfishing						VDH shellfish condemnation 020-041A, 12/17/2004

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Carter Run	
TMDL Group ID:		20024	
<b>VAN-E02R_CAE02A04</b>	<b>Carter Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with Horner Run and continues downstream until the confluence with South Run.
VA Overall AU Category: <b>5A</b>	Impairment	8.24 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>		20024 <b>2006</b> <b>2018</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-CAE006.32) at the Route 738 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
<b>VAN-E02R_CAE03A06</b>	<b>Carter Run</b>	<b>FAUQUIER CO</b>	Segment begins at the confluence with Strothers Branch and continues downstream until the confluence with an unnamed tributary to Carter Run, at rivermile 14.71.
VA Overall AU Category: <b>5A</b>	Impairment	1.62 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>		20024 <b>2006</b> <b>2018</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-CAE015.01), at a private road off of Route 719, to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Cat Point Creek	
TMDL Group ID:		10104	
<b>VAP-E23R_CAT01A98</b>	<b>Cat Point Creek</b>	<b>RICHMOND CO</b>	Cat Point Creek from Ruin Branch (river mile 14.1) downstream to Canal Swamp (river mile 10.54.)
VA Overall AU Category: <b>5A</b>	Impairment	4.99 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Escherichia coli</b>		10104 <b>2006</b> <b>2018</b> VAP-E23R-13  During the 2006 cycle, the E. coli violation rate at 5ACAT011.62 was 2/13, therefore the segment is considered impaired of the Recreation Use. Further monitoring is recommended.
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Cedar Run	
TMDL Group ID:		00847	
<b>VAN-E16R_CED01A00</b>	<b>Cedar Run</b>	<b>CULPEPER CO</b>	Segment begins at the confluence with Cabin Branch and continues downstream until the confluence with the Rapidan River.
VA Overall AU Category: <b>5A</b>	Impairment	2.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	<b>Fecal Coliform</b>		00847 <b>2004</b> <b>2016</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (3-CED000.59) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
<b>VAN-E16R_CED02A04</b>	<b>Cedar Run</b>	<b>CULPEPER CO</b>	Segment begins at the confluence with Buck Run and continues downstream until the confluence with Cabin Branch.
VA Overall AU Category: <b>5A</b>	Impairment	3.21 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	<b>Escherichia coli</b>		00847 <b>2006</b> <b>2018</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's special study water quality monitoring station (3-CED003.52) at the Route 652 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
Use: Recreation	<b>Fecal Coliform</b>		00847 <b>2006</b> <b>2018</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's special study water quality monitoring station (3-CED003.52) at the Route 652 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Church Swamp	
TMDL Group ID:		10100	
<b>VAP-E23R_CRC01A06</b>	<b>Church Swamp</b>	<b>ESSEX CO</b>	Headwaters to mouth at tidal Hoskins Creek
VA Overall AU Category: <b>5C</b>	Impairment	3.64 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Aquatic Life	<b>pH</b>		10100 <b>2006</b> <b>2018</b> VAP-E23R-09
Church Swamp was assessed as not supporting of the Aquatic Life Use based on a pH violation rate of 2/2 at -CRC001.38.			
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Claiborne Run	
TMDL Group ID:		00323	
<b>VAN-E20R_CLB01A00</b>	<b>Claiborne Run</b>	<b>STAFFORD CO</b>	Segment begins at the confluence with an unnamed tributary to Claiborne Ru approximately 0.5 rivermile upstream of the Route 1 crossing, and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: <b>5A</b>	Impairment	4.89 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation Use	<b>Escherichia coli</b>		00323 <b>2006</b> <b>2010</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 8 samples - 62.5%) were recorded at DEQ's ambient water quality monitoring station (3-CLB000.50) at the Route 3 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 1998.
		Sources: Source Unknown	
Recreation Use	<b>Fecal Coliform</b>		00323 <b>1998</b> <b>2010</b> Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 6 samples - 16.7%), it is categorized as having insufficient information with which to determine use support. No additional fecal coliform data has been collected from the DEQ's ambient water quality monitoring station (3-CLB000.50) at Route 3 since the previous assessment window. The segment shall remain categorized as impaired for fecal coliform bacteria, as it has been since 1998.
		Sources: Source Unknown	
TMDL Group ID:		00848	
<b>VAN-E20R_CLB01A00</b>	<b>Claiborne Run</b>	<b>STAFFORD CO</b>	Segment begins at the confluence with an unnamed tributary to Claiborne Ru approximately 0.5 rivermile upstream of the Route 1 crossing, and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: <b>5A</b>	Impairment	4.89 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Use	<b>pH</b>		00848 <b>2002</b> <b>2014</b> Sufficient exceedances of the instantaneous pH criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (3-CLB000.50) at the Route 3 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
		Sources: Source Unknown	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

**VAP-E26E\_BES01A98**      **Bells Creek**      **LANCASTER CO**      The boundaries are described in VDH shellfish condemnation 021-058B, 4/21/2004.  
 Size adjusted in 2006, although area did not change  
 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Corrotoman River Mesohaline	
TMDL Group ID:		01074	
VAP-E26E_BLD01A98	Belwood Swamp	LANCASTER CO	Tidal limit to its mouth at the Western Branch Corrotoman River. Previously called riverine CRRMH
VA Overall AU Category: Use	5A		
Aquatic Life	Impairment	0.01 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_CRR01A00	Corrotoman River	LANCASTER CO	The mainstem of the Corrotoman River downstream of the confluence of the Eastern and Western Branches Corrotoman River.
-------------------	------------------	--------------	---

CRRMH

VA Overall AU Category: **5A**

Use	Impairment	4.24 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2002	2010	VAP-E26E-25  The Corrotoman River was included in EPA's 1998 Overlist. The segment was previously called impaired solely on EPA's overlist (nutrients/eutrophication biological indicators).  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria. The TMDL is due in 2010.  During the 2006 cycle, monitoring was conducted at Coastal 2000 station 3-CRR000.58. The weight of evidence approach was utilized and the station was considered impaired because of sparse benthos. There was no toxicity or chemical contamination observed, therefore the approach considered the cause to be water quality.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2002	2010	VAP-E26E-25  The Corrotoman River was included in EPA's 1998 Overlist. The segment was previously called impaired solely on EPA's overlist (nutrients/eutrophication biological indicators).  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria. The TMDL is due in 2010.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
VAP-E26E_CTM01A00	Eastern Branch Corrotoman River	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058C, 4/21/2004.  Size expanded in 2006  CRRMH
VA Overall AU Category: <b>5A</b>	Impairment	0.61 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_CTO01A02	Western Branch Corrotoman River	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132A, 3/27/2002, not otherwise segmented  CRRMH
VA Overall AU Category: <b>5A</b>	Impairment	0.50 SQUARE MILES	TMDL Group ID
Use			First Listed on 303(d)
Aquatic Life	<b>Oxygen, Dissolved</b>		<b>2006</b>
			<b>2010</b>
			Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-E26E-25
			The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>		<b>2006</b>
			<b>2010</b>
			Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-E26E-25
			The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_CTO02A06	Western Branch Corrotoman River	LANCASTER CO	Mainstem downstream of SFC 021-132A CRRMH
VA Overall AU Category: Use	5A		
Aquatic Life	<b>Oxygen, Dissolved</b>	1.37 SQUARE MILES	TMDL Group ID: 01074 First Listed on 303(d): <b>2006</b> TMDL Schedule: <b>2010</b> Impairment Specific Comments and/or Impairment Specific VA Category: VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
<b>Rappahannock River Basin</b>						
TMDL Watershed Name:		Corrotoman River Mesohaline				
TMDL Group ID:		01074				
VAP-E26E_DAS01A02	Davis Creek	LANCASTER CO	As described in VDH-DSS SFC 021-132C. 3/27/2002.			
			Size adjusted in 2006			
			CRRMH			
VA Overall AU Category:	5A					
Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.						
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 (Point Source and Combination of Stormwater, SSO or CSO)						
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.						
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 (Point Source and Combination of Stormwater, SSO or CSO)						

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_EWE01A00	Ewells Prong	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187C, 3/27/2002.  CRRMH
VA Overall AU Category: <b>5A</b>	Impairment	0.04 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>		01074 <b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>		01074 <b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
<b>Rappahannock River Basin</b>							
TMDL Watershed Name:		Corrotoman River Mesohaline					
TMDL Group ID:		01074					
VAP-E26E_HLS01A00	Hills Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058A, 4/21/2004.				
			Size expanded in 2006 cycle				
			CRRMH				
VA Overall AU Category: Use	5A	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life		Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
			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 (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life		Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
			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 (Point Source and Combination of Stormwater, SSO or CSO)				

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_LIT01A06	Little Branch	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River CRRMH
VA Overall AU Category: 5A			
Use	Impairment	0.11 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	
Open-Water Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
VAP-E26E_MIP01A00	Millenbeck Prong	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187B, 3/27/2002.  Size adjusted in 2006, although area did not change  CRRMH
VA Overall AU Category: <b>5A</b>	Impairment	0.04 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>	01074	<b>2006</b> <b>2010</b> VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_MYE01A00	Myer Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 198B, 11/6/2003.  Size adjusted in 2006  CRRMH
-------------------	------------	--------------	---

VA Overall AU Category: **5A**

Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
<b>Rappahannock River Basin</b>							
TMDL Watershed Name:		Corrotoman River Mesohaline					
TMDL Group ID:		01074					
VAP-E26E_MYE01B02	Myer Creek, UT	LANCASTER CO	As described in VDH-DSS SFC 21-198C, 11/6/2003. Size adjusted in 2006, although area did not change CRRMH				
VA Overall AU Category: Use	5A	Impairment	0.04 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life		<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25, VAP-E26E-31  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life		<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
<b>Rappahannock River Basin</b>						
TMDL Watershed Name:		Corrotoman River Mesohaline				
TMDL Group ID:		01074				
VAP-E26E_MYE01C04	Myer Creek	LANCASTER CO	Described in VDH Condemnation 21-198A, 11/6/2003			
VA Overall AU Category: Use		5A	CRRMH			
Aquatic Life	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
		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 (Point Source and Combination of Stormwater, SSO or CSO)				
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25
		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 (Point Source and Combination of Stormwater, SSO or CSO)				

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_MYE02C06	Myer Creek	LANCASTER CO	Described in VDH-DSS SFC 021-198M, 11/6/2003 CRRMH
VA Overall AU Category: 5A			
Use	Impairment	0.02 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	
Open-Water Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25 The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
		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 (Point Source and Combination of Stormwater, SSO or CSO)	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Corrotoman River Mesohaline

TMDL Group ID: 01074

**VAP-E26E\_SEN01A00**      **Senior Creek**      **LANCASTER CO**      The boundaries are described in VDH shellfish condemnation 021-132B, 3/27/2002.  
 Size adjusted in 2006 cycle, although area did not change.  
 CRRMH

VA Overall AU Category: **5A**

Use	Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	<b>Oxygen, Dissolved</b>		01074	<b>2006</b>	<b>2010</b>	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_TAY01A00	Taylor Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-205, 3/27/2002.  Size reduced in 2004 cycle.  CRRMH
-------------------	--------------	--------------	--

VA Overall AU Category: **5A**

Use	Impairment	0.09 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_TON01A00	Town Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187A, 3/27/2002.  Size adjusted in 2006, although area did not change  CRRMH
-------------------	------------	--------------	---

VA Overall AU Category: **5A**

Use	Impairment	0.02 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Corrotoman River Mesohaline**

TMDL Group ID: **01074**

VAP-E26E_WHR01A00	Whitehouse Creek	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187D, 3/27/2006  Size adjusted in 2006, although area did not change  CRRMH
-------------------	------------------	--------------	--

VA Overall AU Category: **5A**

Use	Impairment	0.05 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved		01074	2006	2010	VAP-E26E-25  The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.  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 (Point Source and Combination of Stormwater, SSO or CSO)

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Corrotoman River Mesohaline		
TMDL Group ID:	01074		
VAP-E26E_ZZZ02A06	Unsegmented estuaries in E26	LANCASTER CO	Unsegmented portion of watershed
VA Overall AU Category:	5A		CRRMH
Use	Impairment	1.74 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25
		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 (Point Source and Combination of Stormwater, SSO or CSO)	The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.
Open-Water Aquatic Life	Oxygen, Dissolved		01074 2006 2010 VAP-E26E-25
		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 (Point Source and Combination of Stormwater, SSO or CSO)	The new Chesapeake Bay water quality standards were implemented during the 2006 cycle. The mesohaline Corrotoman failed the open water summer dissolved oxygen criteria.

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Corrotoman River, Eastern Branch	
TMDL Group ID:		01075	
VAP-E26E_CTM01A00	Eastern Branch Corrotoman River	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-058C, 4/21/2004.  Size expanded in 2006  CRRMH
VA Overall AU Category: 5A	Impairment	0.61 SQUARE MILES	TMDL Group ID
Use	Fecal Coliform	01075	First Listed on 303(d)
Shellfishing		1998	TMDL Schedule
			2010
			Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-E26E-16
			VDH shellfish condemnation 021-058C, 4/21/2004
			Size expanded in 2006 cycle
Sources: Source Unknown			
TMDL Watershed Name:		Corrotoman River, Western Branch	
TMDL Group ID:		01076	
VAP-E26E_BLD01A98	Belwood Swamp	LANCASTER CO	Tidal limit to its mouth at the Western Branch Corrotoman River.  Previously called riverine  CRRMH
VA Overall AU Category: 5A	Impairment	0.01 SQUARE MILES	TMDL Group ID
Use	Fecal Coliform	01076	First Listed on 303(d)
Shellfishing		2002	TMDL Schedule
			2010
			Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-E26E-09
			Portion of VDH shellfish condemnation 021-132A, 3/27/2002
Sources: Source Unknown			
VAP-E26E_CTO01A02	Western Branch Corrotoman River	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 021-132A, 3/27/2002, not otherwise segmented  CRRMH
VA Overall AU Category: 5A	Impairment	0.50 SQUARE MILES	TMDL Group ID
Use	Fecal Coliform	01076	First Listed on 303(d)
Shellfishing		1998	TMDL Schedule
			2010
			Impairment Specific Comments and/or Impairment Specific VA Category
			VAP-E26E-09
			VDH shellfish condemnation 021-132A, 3/27/2002
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Corrotoman River, Western Branch	
TMDL Group ID:		01076	
VAP-E26E_LIT01A06	Little Branch	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River CRRMH
VA Overall AU Category: 5A	Impairment	0.11 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	Fecal Coliform	01076	1998 2010 VAP-E26E-09
Shellfishing			Portion of VDH shellfish condemnation 021-132A, 3/27/2002
Sources: Source Unknown			
TMDL Watershed Name:		Craig Run	
TMDL Group ID:		00836	
VAN-E08R_CRA01A02	Craig Run	FAUQUIER CO	Segment begins at the headwaters of Craig Run and continues downstream until the confluence with Marsh Run.
VA Overall AU Category: 5A	Impairment	3.61 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	Fecal Coliform	00836	2004 2016 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (3-CRA000.82) at the Route 656 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation			
Sources: Source Unknown			
TMDL Watershed Name:		Davis Creek	
TMDL Group ID:		01079	
VAP-E26E_DAS01A02	Davis Creek	LANCASTER CO	As described in VDH-DSS SFC 021-132C. 3/27/2002. Size adjusted in 2006 CRRMH
VA Overall AU Category: 5A	Impairment	0.02 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	Fecal Coliform	01079	2002 2014 VAP-E26E-35
Shellfishing			VDH-DSS Shellfish Condemnation 021-132C, 3/27/2002
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Deep Creek	
TMDL Group ID:		01055	
VAP-E25E_DEE01A04	Deep Creek	LANCASTER CO	Described in VDH shellfish condemnation 023-121B, 9/23/2004.  In 2002, Deep Creek was split into 3 segments. In 2004, the condemnation was expanded and the segments were joined. Size adjusted in 2006.  RPPMH
VA Overall AU Category: 5A	Impairment	0.22 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Shellfishing	Fecal Coliform	01055	1998 2010 VAP-E25E-10  VDH condemnation 023-121B, 9/23/2004
Sources: Source Unknown			
TMDL Watershed Name:		Deep Run	
TMDL Group ID:		20023	
VAN-E10R_DPR02A02	Deep Run	FAUQUIER CO	Segment begins at the confluence with Pine Branch and continues downstream until the confluence with Green Branch.
VA Overall AU Category: 5A	Impairment	2.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	Fecal Coliform	20023	2006 2018 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-DPR004.93) at the Route 752 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Elmwood Creek	
TMDL Group ID:		10112	
VAP-E22R_ELM01A06	Elmwood Creek	ESSEX CO	Headwaters to tidal limit
VA Overall AU Category: 5C	Impairment	4.87 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Aquatic Life	pH	10112	2006 2018 VAP-E22R-04  Elmwood Creek was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 2/8 at 3-ELM002.23.
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Ewells Prong	
TMDL Group ID:		01080	
VAP-E26E_EWE01A00	Ewells Prong	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187C, 3/27/2002.  CRRMH
VA Overall AU Category: 5A	Impairment	0.04 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Shellfishing	Fecal Coliform	01080	1998 2010 VAP-E26E-06 VDH shellfish condemnation 187C, 3/27/2002
Sources: Source Unknown			
TMDL Watershed Name:		Farmers Hall Creek	
TMDL Group ID:		01037	
VAP-E22R_FAR01A04	Farmers Hall Creek	ESSEX CO	Headwaters to mouth
VA Overall AU Category: 5A	Impairment	4.38 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	Fecal Coliform	01037	2004 2016 VAP-E22R-02 Farmers Hall Creek was assessed as not supporting of the Recreation Use support goal based on a fecal coliform violation rate of 3/13 at the Route 631 bridge (3-FAR002.88).
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Farnham Creek**

TMDL Group ID: **01032**

<b>VAP-E25E_FAM01A98</b>	<b>Farnham Creek</b>	<b>RICHMOND CO</b>	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000  Sq. mileage adjusted in 2006 although area did not change  RPPMH
--------------------------	----------------------	--------------------	---

VA Overall AU Category: <b>5A</b>	Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Aquatic Life	<b>Chloride</b>		01032	<b>2004</b>	<b>2016</b>	VAP-E25E-05  In the 2004 cycle, impairments of the Aquatic Life and Wildlife Uses were added due to chloride violations at 3-FAM002.62. The chloride TMDL is due in 2016.  Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
	Wildlife	<b>Chloride</b>		01032	<b>2004</b>	<b>2016</b>	VAP-E25E-05  In the 2004 cycle, impairments of the Aquatic Life and Wildlife Uses were added due to chloride violations at 3-FAM002.62. The chloride TMDL is due in 2016.  Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: **01056**

<b>VAP-E25E_FAM01A98</b>	<b>Farnham Creek</b>	<b>RICHMOND CO</b>	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000  Sq. mileage adjusted in 2006 although area did not change  RPPMH
--------------------------	----------------------	--------------------	---

VA Overall AU Category: <b>5A</b>	Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Recreation	<b>Fecal Coliform</b>		01056	<b>1998</b>	<b>2014</b>	VAP-E25E-05  In 2002, the segment was assessed as not supporting the Recreation Use due to fecal coliform violations at 3-FAM002.62. During the 2006 cycle, the violation rate was 3/18. The TMDL is due in 2014.  Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Farnham Creek**

TMDL Group ID: **01057**

<b>VAP-E25E_FAM01A98</b>	<b>Farnham Creek</b>	<b>RICHMOND CO</b>	The segment boundaries are delineated in VDH shellfish condemnation 070, 10/17/2000
--------------------------	----------------------	--------------------	---

Sq. mileage adjusted in 2006 although area did not change

RPPMH

VA Overall AU Category: <b>5A</b>	Use	Impairment	0.41 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Shellfishing	<b>Fecal Coliform</b>		01057	<b>1998</b>	<b>2010</b>	VAP-E25E-05

VDH condemnation 024-070, 10/17/2000

Sources: Source Unknown

TMDL Watershed Name: **Finks Run**

TMDL Group ID: **60089**

<b>VAN-E14R_FIK01A06</b>	<b>Finks Run</b>	<b>MADISON CO</b>	Segment begins at the headwaters of Finks Run and continues downstream until the confluence with the Robinson River.
--------------------------	------------------	-------------------	--

VA Overall AU Category: <b>5A</b>	Use	Impairment	3.02 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Recreation	<b>Escherichia coli</b>		60089	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-FIK001.08) at the Route 650 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

TMDL Watershed Name: **Greenvale Creek**

TMDL Group ID: **01058**

<b>VAP-E25E_GEE01A98</b>	<b>Greenvale Creek</b>	<b>LANCASTER CO</b>	The segment boundaries are delineated in VDH shellfish condemnation 094A 2/5/2003.
--------------------------	------------------------	---------------------	--

RPPMH

VA Overall AU Category: <b>5A</b>	Use	Impairment	0.08 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
	Shellfishing	<b>Fecal Coliform</b>		01058	<b>1998</b>	<b>2010</b>	VAP-E25E-15

VDH-DSS condemnation 094A, 2/5/2003

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Harry George Creek**

TMDL Group ID: **10080**

<b>VAP-E25E_HRY01A06</b>	<b>Harry George Creek</b>	<b>MIDDLESEX CO</b>	<b>Designated in VDH SFC 202B, 9/3/2003</b>
			<b>RPPMH</b>
VA Overall AU Category: <b>5A</b>	Impairment	0.09 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Fecal Coliform</b>		<b>10080 2006 2018</b> VAP-E25E-20
Shellfishing			VDH Shellfish Condemnation 202B, 9/3/2003
	Sources: Source Unknown		

TMDL Watershed Name: **Hazel River**

TMDL Group ID: **60076**

<b>VAN-E07R_HAZ01A04</b>	<b>Hazel River</b>	<b>CULPEPER CO</b>	<b>Segment begins at the confluence with Indian Run and continues downstream until the confluence with Muddy Run.</b>
VA Overall AU Category: <b>5A</b>	Impairment	3.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use	<b>Escherichia coli</b>		<b>60076 2006 2018</b> Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 10 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ005.98) at the Route 625 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation		Sources: Source Unknown	
Recreation	<b>Fecal Coliform</b>		<b>60076 2006 2018</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 14 samples - 35.7%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ005.98) at the Route 625 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source Unknown		

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Hazel River

TMDL Group ID: 60079

<b>VAN-E04R_HAZ01A00</b>	<b>Hazel River</b>	<b>CULPEPER CO RAPPAHANNOCK CO</b>	Segment begins at the confluence with Blackwater Creek and continues downstream until the confluence with an unnamed tributary to the Hazel Rive at rivermile 16.03.
--------------------------	--------------------	--	--

VA Overall AU Category: Use	Impairment	5.58 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>		60079	<b>2006</b>	<b>2010</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ018.29) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 2002, for a fecal coliform bacteria impairment.
		Sources: Source Unknown				
Recreation	<b>Fecal Coliform</b>		60079	<b>2002</b>	<b>2010</b>	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 20 samples - 15.0%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ018.29) at the Route 729 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 2002, for a fecal coliform bacteria impairment.
		Sources: Source Unknown				

<b>VAN-E04R_HAZ01B06</b>	<b>Hazel River</b>	<b>CULPEPER CO</b>	Segment begins at the confluence with Devils Run and continues downstream until the confluence with Blackwater Creek.
--------------------------	--------------------	--------------------	---

VA Overall AU Category: Use	Impairment	3.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>		60079	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	<b>Fecal Coliform</b>		60079	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 6 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
<b>Rappahannock River Basin</b>						
TMDL Watershed Name:		Hazel River				
TMDL Group ID:		60079				
<b>VAN-E04R_HAZ01C06</b>	<b>Hazel River</b>	<b>CULPEPER CO</b>	Segment begins at the confluence with the Hughes River and continues downstream until the confluence with Devils Run.			
VA Overall AU Category: <b>5A</b>	Impairment	6.77 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>		60079	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 6 samples - 33.3%) were recorded, upstream, at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
Recreation	<b>Fecal Coliform</b>		60079	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 6 samples - 33.3%) were recorded, upstream, at DEQ's ambient water quality monitoring station (3-HAZ026.16) at the Route 522 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				
<b>VAN-E04R_HAZ02A02</b>	<b>Hazel River</b>	<b>RAPPAHANNOCK CO</b>	Segment begins at the Route 707 bridge and continues downstream until the confluence with the Hughes River.			
VA Overall AU Category: <b>5A</b>	Impairment	0.78 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Fecal Coliform</b>		60079	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 14 samples - 21.4%) were recorded at DEQ's ambient water quality monitoring station (3-HAZ032.54) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Hazel Run

TMDL Group ID: 00849

<b>VAN-E20R_HAL01A00</b>	<b>Hazel Run</b>	<b>FREDERICKSBURG CITY SPOTSYLVANIA CO</b>	Segment begins at the Route 95 crossing and continues downstream until the confluence with the Rappahannock River.
--------------------------	------------------	--	--

VA Overall AU Category: **5A**  
Use

Impairment	4.46 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
------------	------------	---------------	------------------------	---------------	---

Recreation	<b>Escherichia coli</b>	00849	<b>2006</b>	<b>2016</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-HAL001.44) at the Route 1 Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform impairment, beginning in 2004.
------------	-------------------------	-------	-------------	-------------	---

Sources: Source Unknown

Recreation	<b>Fecal Coliform</b>	00849	<b>2004</b>	<b>2016</b>	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%), it is categorized as having insufficient information with which to determine use support. No additional fecal coliform data has been collected from the DEQ's ambient water quality monitoring station (3-HAL001.44) at Route 1 Business since the previous assessment window. The segment shall remain categorized as impaired for fecal coliform bacteria, as it has been since 2004.
------------	-----------------------	-------	-------------	-------------	---

Sources: Source Unknown

TMDL Watershed Name: Hills Creek

TMDL Group ID: 01081

<b>VAP-E26E_HLS01A00</b>	<b>Hills Creek</b>	<b>LANCASTER CO</b>	The boundaries are described in VDH shellfish condemnation 021-058A, 4/21/2004.
--------------------------	--------------------	---------------------	---

Size expanded in 2006 cycle

CRRMH

VA Overall AU Category: **5A**  
Use

Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
------------	-------------------	---------------	------------------------	---------------	---

Shellfishing	<b>Fecal Coliform</b>	01081	<b>1998</b>	<b>2010</b>	VAP-E26E-14 VDH shellfish condemnation 021-058A, 4/21/2004
--------------	-----------------------	-------	-------------	-------------	---

Sources: Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: Hoskins Creek

TMDL Group ID: 00253

VAP-E23E\_HOK01A98      Hoskins Creek      ESSEX CO      Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River.

RPPMH

VA Overall AU Category: **5A**  
Use

Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Enterococcus</b>	00253	<b>2006</b>	<b>2010</b>	VAP-E23E-03

This segment was initially included on the 1994 303(d) list based on excessive fecal coliform standard violations recorded at the Rt. 360 bridge (3-HOK000.74). For the 2004 cycle, the segment was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/49 recorded at 3-HOK000.74. The upstream limit was extended to the Town of Tappahannock STP in the 1998 cycle in recognition that the STP may be a contributing source, although this has not been verified. During the 2006 cycle, the segment remained impaired and enterococci was added as an impairing cause with a violation rate of 9/12 at 3-HOK000.74.

Sources: Municipal Point Source Discharges  
Source Unknown

Recreation	<b>Fecal Coliform</b>	00253	<b>1996</b>	<b>2010</b>	VAP-E23E-03
------------	-----------------------	-------	-------------	-------------	-------------

This segment was initially included on the 1994 303(d) list based on excessive fecal coliform standard violations recorded at the Rt. 360 bridge (3-HOK000.74). For the 2004 cycle, the segment was assessed not supporting of the Recreation use support goal based on a fecal coliform standard violation rate of 9/49 recorded at 3-HOK000.74. The upstream limit was extended to the Town of Tappahannock STP in the 1998 cycle in recognition that the STP may be a contributing source, although this has not been verified. During the 2006 cycle, the segment remained impaired and enterococci was added as an impairing cause with a violation rate of 9/12 at 3-HOK000.74.

Sources: Municipal Point Source Discharges  
Source Unknown

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Hoskins Creek**

TMDL Group ID: **00254**

**VAP-E23E\_HOK01A98**      **Hoskins Creek**      **ESSEX CO**      Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River.

RPPMH

VA Overall AU Category: **5A**  
Use

Impairment	0.06 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Chloride</b>	00254	<b>2004</b>	<b>2016</b>	VAP-E23E-03

In the 2004 cycle, the segment was assessed as not supporting the Aquatic Life and Wildlife uses based on chloride violations at 3-HOK000.74. The TMDL for chloride is due in 2016.

Wildlife

**Chloride**

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

00254      **2004**      **2016**

VAP-E23E-03  
In the 2004 cycle, the segment was assessed as not supporting the Aquatic Life and Wildlife uses based on chloride violations at 3-HOK000.74. The TMDL for chloride is due in 2016.

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

TMDL Group ID: **01043**

**VAP-E23R\_HOK01A04**      **Hoskins Creek**      **ESSEX CO**      Headwaters to the tidal limit

VA Overall AU Category: **5C**  
Use

Impairment	12.96 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>pH</b>	01043	<b>2004</b>	<b>2016</b>	VAP-E23R-04

Assessed not supporting of the Aquatic Life use support goal based on pH standard violation rates of 8/13 recorded at monitoring station 3-HOK011.45, located at the Route 717 bridge and of 11/18 at 3-HOK007.25.

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

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Hoskins Creek	
TMDL Group ID:		10073	
VAP-E23E_HOK01A98	Hoskins Creek	ESSEX CO	Hoskins Creek from the Town of Tappahannock STP downstream to the mouth at the Rappahannock River.  RPPMH
VA Overall AU Category: Use	5A		
Aquatic Life	Impairment	0.06 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
	pH		10073 2006 2018 VAP-E23E-03, VAP-E22E-01
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			
TMDL Watershed Name:		Hughes River	
TMDL Group ID:		00832	
VAN-E03R_HUE01A00	Hughes River	CULPEPER CO RAPPAHANNOCK CO	Segment begins at the confluence with Kilbys Creek and continues downstream until the confluence with the Hazel River.
VA Overall AU Category: Use	5A		
Recreation	Impairment	3.68 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
	Escherichia coli		00832 2006 2016 Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (3-HUE000.20) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was initially listed for fecal coliform bacteria impairment in 2004.
		Sources: Source Unknown	
Recreation	Fecal Coliform		00832 2004 2016 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 19 samples - 15.8%) were recorded at DEQ's ambient water quality monitoring station (3-HUE000.20) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was initially listed for fecal coliform bacteria impairment in 2004.
		Sources: Source Unknown	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Indian Run	
TMDL Group ID:		60080	
<b>VAN-E07R_IND01A04</b>	<b>Indian Run</b>	<b>CULPEPER CO</b>	Segment begins at the confluence with an unnamed tributary to Indian Run, upstream from Route 626, and continues downstream until the confluence with the Hazel River.
VA Overall AU Category: <b>5A</b>	Impairment	3.84 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>		<b>60080 2006 2018</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-IND001.14) at the Route 624 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Lagrange Creek	
TMDL Group ID:		01068	
<b>VAP-E25R_LGG01A98</b>	<b>Lagrange Creek</b>	<b>MIDDLESEX CO</b>	Lagrange Creek from its headwaters to the limit of tidal influence.
VA Overall AU Category: <b>5A</b>	Impairment	2.72 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Recreation	<b>Fecal Coliform</b>		<b>01068 2004 2016</b> VAP-E25R-02  Lagrange Creek was assessed in 2004 as not supporting of the Recreation Use support goal based on a fecal coliform violation rate of 3/20 recorded at the Route 610 bridge (3-LGG004.54). There has been no additional monitoring since 2001.
Sources: Source Unknown			
TMDL Group ID:		10081	
<b>VAP-E25E_LGG02A06</b>	<b>Lagrange Creek</b>	<b>MIDDLESEX CO</b>	As described in VDH SFC 127, 2/25/2004, not otherwise segmented.  RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	0.60 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use			
Shellfishing	<b>Fecal Coliform</b>		<b>10081 1998 2018</b> VAP-E25E-21, VAP-E22E-01  The upstream portion of Lagrange Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 127, 6/11/1996. The TMDL for this original portion was completed and approved by EPA on 11/15/2005. During the 2006 cycle, however, the condemnation was extended downstream. The TMDL for this segment is due in 2018.
Sources: Non-Point Source			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Lancaster Creek		
TMDL Group ID:	01033		
<b>VAP-E25E_LAN01A98</b>	<b>Lancaster Creek</b>	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	0.46 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Chloride</b>		01033 <b>2004</b> <b>2016</b> VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	<b>Chloride</b>		01033 <b>2004</b> <b>2016</b> VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
<b>VAP-E25E_LAN02A02</b>	<b>Lancaster Creek</b>	LANCASTER CO RICHMOND CO	The mouth of Lancaster Creek downstream of VDH SFC 120B, 9/23/2004, not otherwise segmented. Size increased in 2006 cycle. RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	1.16 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>Chloride</b>		01033 <b>2004</b> <b>2016</b> VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed
Wildlife	<b>Chloride</b>		01033 <b>2004</b> <b>2016</b> VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Lancaster Creek**

TMDL Group ID: **01033**

<b>VAP-E25E_LAN03A06</b>	<b>Lancaster Creek</b>	<b>RICHMOND CO</b>	Described in VDH SFC 023-120M1, 9/23/2004 Size increased in 2006 cycle. RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	0.02 SQUARE MILES	TMDL Group ID
Use	<b>Chloride</b>		First Listed on 303(d)
Aquatic Life		<b>01033</b>	<b>2004</b>
			<b>2016</b>
		Impairment Specific Comments and/or Impairment Specific VA Category	
		VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.	
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed	
Wildlife	<b>Chloride</b>	<b>01033</b>	<b>2004</b>
			<b>2016</b>
		VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.	
		Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed	

TMDL Group ID: **01059**

<b>VAP-E25E_LAN01A98</b>	<b>Lancaster Creek</b>	<b>LANCASTER CO RICHMOND CO</b>	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004. Size reduced in 2006 cycle. RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	0.46 SQUARE MILES	TMDL Group ID
Use	<b>Fecal Coliform</b>		First Listed on 303(d)
Shellfishing		<b>01059</b>	<b>1998</b>
			<b>2010</b>
		Impairment Specific Comments and/or Impairment Specific VA Category	
		VAP-E25E-11 VDH shellfish condemnation 020-120B, 9/23/2004 - size reduced in 2006	
		Sources: Source Unknown	

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Lancaster Creek	
TMDL Group ID:		01060	
VAP-E25E_LAN01A98	Lancaster Creek	LANCASTER CO RICHMOND CO	The segment boundaries are delineated in VDH SFC 120B, 9/23/2004.  Size reduced in 2006 cycle.  RPPMH
VA Overall AU Category: 5A	Impairment	0.46 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	01060	1998 2016 VAP-E25E-11
Sources: Source Unknown			
TMDL Watershed Name:		LaRogue Run	
TMDL Group ID:		60097	
VAN-E19R_LAR01A04	LaRogue Run	SPOTSYLVANIA CO	Segment begins at the headwaters of LaRogue Run and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: 5A	Impairment	2.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Fecal Coliform	60097	2006 2018 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (3-LAR000.48) at the Route 620 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Leathers Run	
TMDL Group ID:		60090	
VAN-E14R_LEA01A06	Leathers Run	MADISON CO	Segment begins at the confluence with an unnamed tributary to Leathers Run approximately 0.65 rivermile downstream from the Route 641 crossing, and continues downstream until the confluence with the Robinson River.
VA Overall AU Category: 5A	Impairment	2.03 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	Escherichia coli	60090	2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (3-LEA000.17) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Little Branch	
TMDL Group ID:		10084	
VAP-E26E_LIT01A06	Little Branch	LANCASTER CO	Tidal limit to mouth at Western Branch Corrotoman River CRRMH
VA Overall AU Category: 5A	Impairment	0.11 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	Enterococcus	10084	2006 2018 VAP-E26E-26
Little Branch was assessed as not supporting of the Recreation Use during the 2006 cycle due to a enterococci violation rate of 3/9 at 3-LIT000.85.			
Sources: Source Unknown			
TMDL Watershed Name:		Little Carter Creek, Jugs Creek	
TMDL Group ID:		01038	
VAP-E23E_LIE01A98	Little Carter Creek, Jugs Creek	RICHMOND CO	The segment boundaries are defined in VDH shellfish condemnation 068B, 3/6/2002. RPPMH
VA Overall AU Category: 5A	Impairment	0.32 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Shellfishing	Fecal Coliform	01038	1998 2010 VAP-E23E-02
VDH-DSS SFC 068B, 3/6/2002 remains closed but is now incorporated into SFC 068A, 3/26/2004			
Sources: Source Unknown			
TMDL Watershed Name:		Little Wicomico River	
TMDL Group ID:		10026	
VAP-E22R_FAR01A04	Farmers Hall Creek	ESSEX CO	Headwaters to mouth
VA Overall AU Category: 5A	Impairment	4.38 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Aquatic Life	pH	10026	2006 2018 VAP-A34R-02
In 2006, Farmers Hall Creek was assessed as not supporting of the Aquatic Life Use support goal based on a pH violation rate of 2/13 at the Route 631 bridge (3-FAR002.88).			
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Locklies Creek	
TMDL Group ID:		01082	
VAP-E26E_LOL01A02	Locklies Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 102A 2/6/2004.  RPPMH
VA Overall AU Category: 5A	Impairment	0.10 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Shellfishing	Fecal Coliform	01082	1998 2010 VAP-E26E-13 VDH shellfish condemnation 031-102A, 3/6/2004
Sources: Source Unknown			
TMDL Watershed Name:		Marsh Run	
TMDL Group ID:		00318	
VAN-E08R_MAH01A00	Marsh Run	FAUQUIER CO	Segment begins at the confluence with Harpers Run, at approximately rivermile 2.4, and continues downstream until the confluence with the Rappahannock River.
VA Overall AU Category: 5A	Impairment	2.25 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	Escherichia coli	00318	2006 2010 Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (3-MAH000.19) at the Route 651 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed, beginning in 1996, for a fecal coliform bacteria impairment.
Sources: Source Unknown			
VAN-E08R_MAH02A02	Marsh Run	FAUQUIER CO	Segment begins at the confluence with Craig Run and continues downstream until the confluence with Harpers Run, at approximately rivermile 2.4.
VA Overall AU Category: 5A	Impairment	5.91 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use: Recreation	Fecal Coliform	00318	1996 2010 Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 4 samples - 75.0%) were recorded at DEQ's ambient water quality monitoring station (3-MAH004.18) at the Route 668 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Marsh Run	
TMDL Group ID:		00843	
<b>VAN-E13R_MAS01A04</b>	<b>Marsh Run</b>	GREENE CO ORANGE CO	Segment begins at the headwaters of Marsh Run and continues downstream until the confluence with the Rapidan River.
VA Overall AU Category: <b>5A</b>	Impairment	5.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Recreation	<b>Fecal Coliform</b>		00843 <b>2004</b> <b>2016</b> Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (3-MAS001.55) at the Route 644 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Sources: Source Unknown			
TMDL Watershed Name:		Masons Mill Swamp	
TMDL Group ID:		01061	
<b>VAP-E25E_MAO01A00</b>	<b>Masons Mill Swamp</b>	MIDDLESEX CO	Tidal Masons Mill Swamp watershed - expanded in 2006.  RPPMH
VA Overall AU Category: <b>5A</b>	Impairment	0.17 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Use Aquatic Life	<b>pH</b>		01061 <b>2004</b> <b>2016</b> VAP-E25E-17  Tidal Masons Mill Swamp was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 5/11 at 3-MAO000.62.
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
--------------------	----------------	----------------	-----------------------------

## Rappahannock River Basin

TMDL Watershed Name: **Massaponax Creek**

TMDL Group ID: **00850**

<b>VAN-E20R_MAP02A02</b>	<b>Massaponax Creek</b>	<b>SPOTSYLVANIA CO</b>	Segment begins at the confluence with an unnamed tributary to Massaponax Creek, just upstream of Route 1, and continues downstream until the confluence with another unnamed tributary, approximately 0.25 rivermile upstream of Ruffins Pond.
--------------------------	-------------------------	------------------------	--

VA Overall AU Category: **5A**

Use	Impairment	6.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	<b>Escherichia coli</b>		00850	<b>2006</b>	<b>2016</b>	Sufficient exceedances of the instantaneous E.coli bacteria criterion (6 of 8 samples - 75.0%) were recorded at DEQ's ambient water quality monitoring station (3-MAP007.97) at the Route 1 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation	<b>Fecal Coliform</b>	Sources: Source Unknown	00850	<b>2004</b>	<b>2016</b>	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (0 of 6 samples - 0.0%) is categorized as fully supporting, no additional data has been collected from the DEQ special study station (3-MAP002.61) at Route 609 bridge since the previous assessment window, when the stream reach was first listed as impaired. The segment shall remain categorized as impaired.
		Sources: Source Unknown				

TMDL Group ID: **60115**

<b>VAN-E20R_MAP02A02</b>	<b>Massaponax Creek</b>	<b>SPOTSYLVANIA CO</b>	Segment begins at the confluence with an unnamed tributary to Massaponax Creek, just upstream of Route 1, and continues downstream until the confluence with another unnamed tributary, approximately 0.25 rivermile upstream of Ruffins Pond.
--------------------------	-------------------------	------------------------	--

VA Overall AU Category: **5A**

Use	Impairment	6.04 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	<b>pH</b>		60115	<b>2006</b>	<b>2018</b>	Sufficient exceedances of the instantaneous pH criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (3-MAP007.97) at the Route 1 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
		Sources: Source Unknown				

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Mill Creek	
TMDL Group ID:		01084	
VAP-E26E_MLL01A98	Mill Creek	MIDDLESEX CO	The segment boundaries are delineated in VDH shellfish condemnation 103, 12/10/1991  RPPMH.
VA Overall AU Category: Use	5A	Impairment	0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	01084	1998 2010 VAP-E26E-11 VDH shellfish condemnation 103, 12/10/1991
Sources: Source Unknown			
TMDL Watershed Name:		Millenbeck Prong	
TMDL Group ID:		01083	
VAP-E26E_MIP01A00	Millenbeck Prong	LANCASTER CO	The boundaries are described in VDH shellfish condemnation 187B, 3/27/2002.  Size adjusted in 2006, although area did not change  CRRMH
VA Overall AU Category: Use	5A	Impairment	0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	01083	1998 2010 VAP-E26E-32 VDH shellfish condemnation 187B, 3/27/2002
Sources: Source Unknown			
TMDL Watershed Name:		Morattico Creek	
TMDL Group ID:		01034	
VAP-E25E_MTT01A00	Morattico Creek	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004  Expanded in 2006 and incorporates previous segment MTT02A00  RPPMH
VA Overall AU Category: Use	5A	Impairment	0.33 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Chloride	01034	2004 2016 VAP-E25E-16 Lancaster and Morattico Creeks were assessed not supporting of the Aquatic Life and Wildlife Uses based on chloride violations at multiple stations.
Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:		Morattico Creek	
TMDL Group ID:		01062	
VAP-E25E_MTT01A00	Morattico Creek	RICHMOND CO	The segment is delineated in VDH SFC 023-120A, 9/23/2004 Expanded in 2006 and incorporates previous segment MTT02A00 RPPMH
VA Overall AU Category:	5A		
Use	Impairment	0.33 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	01062	1998 2010 VAP-E25E-12 VDH shellfish condemnation 120A, 9/23/2004 Expanded in 2006
Sources: Source Unknown			
TMDL Watershed Name:		Mosquito Creek	
TMDL Group ID:		01085	
VAP-E26E_MOS01A00	Mosquito Creek	LANCASTER CO	The boundaries are delineated in VDH shellfish condemnation 203, 11/6/200; Expanded in 2006 cycle RPPMH
VA Overall AU Category:	5A		
Use	Impairment	0.03 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	01085	2002 2014 VAP-E26E-04 VDH-DSS Shellfish Condemnation 203, 11/6/2003
Sources: Source Unknown			

# Appendix A - List of Impaired (Category 5) Waters in 2006

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
<b>Rappahannock River Basin</b>			
TMDL Watershed Name:	Mount Landing Creek		
TMDL Group ID:	01048		
VAP-E23R_MTL01A98	Mount Landing Creek	ESSEX CO	Mount Landing Creek from the first tributary upstream of the Route 716 bridge downstream to the tidal limit at approximately river mile 4.44.
VA Overall AU Category:	5A		
Use	Impairment	1.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01048	2004 2016 VAP-E23R-06
			The segment was assessed as not supporting of the Recreation Use during the year 2004 cycle based on a fecal coliform violation rate of 4/35 at the Route 716 bridge (3-MTL004.82). During the 2006 cycle, the violation rate for FC was 0/15 and for E. coli was 1/9. Although the FC violation rate is acceptable, there has been no additional FC monitoring since 2002 and the recent E. coli monitoring is not sufficient for delisting. Therefore the segment must remain impaired based on the previous assessment until additional E. coli monitoring can be conducted.

Sources: Source Unknown