APPENDIX 3 WATERS IDENTIFIED FOR DELISTING SINCE THE 2014 REPORT

Assessment is a process in which impaired and non-impaired waters are systematically identified. This is an iterative process, requiring that waters be investigated on an on-going basis as water quality standards are reviewed/refined, sampling and assessment methods are improved, and management activities are adaptively implemented. Additionally, assessment of water quality must factor in the variability inherent to the natural environment. For instance, poor water quality is often associated with unusually wet weather. A limited dataset for a given water may show violations of water quality standards that are not typical for that water due to unusual weather events, and subsequent monitoring may confirm this. Thus, given the dynamic aspects of both the environment and the assessment process, the revisiting of impaired waters sometimes results in the "delisting" of impairments for 303(d)-listed waters.

There are two types of delistings: partial and full. Waters are listed based on non-attainment of assessed designated uses, with the specific impairments (e.g., dissolved oxygen) broken out individually. A partial delist generally occurs when a water no longer has a specific impairment cause associated with it, but the water is still listed for other impairments. For instance, if a water was originally listed for violations of dissolved oxygen and temperature standards, and recent monitoring indicates that this water is now meeting only dissolved oxygen standards, then the water only qualifies for a partial delisting since the aquatic life use is still not attained. Most delistings are partial. A full delist occurs when a water is no longer impaired. If, in the above example, recent monitoring shows the water meets both dissolved oxygen and temperature standards, then it would qualify for a full delist. In the Assessment Database, partial and full delists are distinguished from each other.

Waters can be delisted for multiple reasons. Changes to assessment protocols can result in delistings, as can changes in water quality standards. Shellfish condemnation zones are developed through modeling of bacteria data and other variables, and the boundaries of these zones often change. The shellfishing use for a water that falls in a condemnation zone in the previous cycle can be delisted if it is no longer included in the zone this cycle. Similarly, data at a new monitoring station may indicate that an impairment, such as dissolved oxygen, has a smaller extent than what was assumed in previous assessments, resulting in delisting of dissolved oxygen for one or more segments. More commonly, analysis of recent station data may show little to no exceedences of water quality standards for parameters previously "failing" at that station. The underlying reasons for improved water quality are frequently unknown. In cases were specific management activities are known to have taken place, such as alterations in dam releases, details are provided in the delist rationale. Bacteria is the most common delisted cause.

The following is the list of water-quality limited waters that have full or partial delists for the 2016 assessment.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAN-A08R_LIV01A00	Little River	6.41 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Benthic Macroinvertebrates - A08R-02-BEN, VAN-A08R-02 (CFL 1998)

During the 2014 cycle, this segment was assessed as not supporting the aquatic life use because biological monitoring events in 2008 (spring and fall) at station 1aLIV004.78 resulted in VSCI scores indicating an impaired macroinvertebrate community. Subsequent biological monitoring events (2) took place in 2013 (spring and fall) 0.01 mile upstream from this location at station 1aLIV004.79. The 2013 events indicated a healthy aquatic community and support of the aquatic life use. The average VSCI score from the two most recent years of sampling also indicates support of the aquatic life use. It has been determined that this segment should be delisted for benthic macroinvertebrates based upon recent VSCI scores indicating a healthy benthic macroinvertebrate community.

VAN-A08R_LIV02B10	Little River	4.36 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Benthic Macroinvertebrates - A08R-03-BEN, VAN-A08R-02 (CFL 2010)

During the 2014 cycle, this segment was assessed as not supporting the aquatic life use because a biological monitoring event in 2008 (fall) at station 1aLIV012.12 resulted in VSCI scores indicating an impaired macroinvertebrate community. Subsequent biological monitoring events (2) took place in 2013 (spring and fall) at this location. The 2013 events indicated a healthy aquatic community and support of the aquatic life use. The average VSCI score from the two most recent years of sampling also indicate support of the aquatic life use. It has been determined that this segment should be delisted for benthic macroinvertebrates based upon recent VSCI scores indicating a healthy benthic macroinvertebrate community.

VAN-A21R_BUL02A00	Bull Run	4.66 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - A21R-02-BAC, 60058 (CFL 2006)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (4 of 30 samples - 13.3%) recorded at DEQ's ambient water quality monitoring station 1aBUL025.94 at the Route 705 bridge crossing. Additional bacteria monitoring has been conducted and found that 3 of 32 samples (9.4%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-A24L_OCC01A02	Occoquan Reservoir	1250.03 Acres	Aquatic Life

Delisting Summary:

DELIST 2016 - DO - A24L-01-DO (2002)

During each of the biennial cycles from 2002 through 2014, segments VAN-A24L_OCC01A02 and VAN-A24L_OCC02A06 were assessed as not supporting the aquatic life use because excursions from the minimum DO criterion (1130 of 6066 samples - 18.6% in the 2014 cycle) were recorded in pooled samples from all monitoring stations within the segments. Additional monitoring data pooled from all monitoring stations within these segments found that 924 in 9539 samples (9.7%) are less than the minimum DO criterion. It has been determined that these segments should be delisted for DO based upon an acceptable excursion rate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAN-A24L_OCC02A06	Occoquan Reservoir	63.12 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - A24L-01-DO (2002)

During each of the biennial cycles from 2002 through 2014, segments VAN-A24L_OCC01A02 and VAN-A24L_OCC02A06 were assessed as not supporting the aquatic life use because excursions from the minimum DO criterion (1130 of 6066 samples - 18.6% in the 2014 cycle) were recorded in pooled samples from all monitoring stations within the segments. Additional monitoring data pooled from all monitoring stations within these segments found that 924 in 9539 samples (9.7%) are less than the minimum DO criterion. It has been determined that these segments should be delisted for DO based upon an acceptable excursion rate.

VAN-A25R_NEA01A00	Neabsco Creek	9.42 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - A25R-01-BAC, 00310, VAN-A25R-01 (CFL 2002)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (2 of 11 samples - 18.2%) recorded at DEQ's ambient water quality monitoring station 1aNEA002.89 at the Route 1 (Richmond Highway) bridge. Additional bacteria monitoring at this location found that 0 of 12 samples (0.0%) exceed the maximum E. coli bacteria criterion and additional bacteria monitoring at DEQ's ambient water quality monitoring station 1ANEA007.65 at Darbydale Avenue found that 0 of 12 samples (0.0%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-A30E_UMC04B06	Upper Machodoc Creek	0.4177 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - FECAL COLIFORM 0.1341 sq mi - A30E-03-SF (CFL 2012)

This is a partial delist for shellfishing due to an increase in open shellfish area. In 2014, this segment was categorized as impaired for the shellfishing use due to Section D of the Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek, dated 05/15/12. In 2014, this segment was 0.2141 square miles in size. In 2016, approximately 0.1341 square miles of this segment are described as supporting the shellfishing use in the Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek, dated May 7, 2013. The remaining portion of this segment that is included in Section D of the Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek, dated May 7, 2013, was removed from this segment and was merged with segment VAN-A30E_UMC04C06.

A completed shellfish bacteria TMDL for Upper Machodoc Creek was approved by EPA on 12/18/2008 (36028).

VAP-A31E_MON03B16	Monroe Bay	0.063 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.063 mi2 - A31E-03-SF (CFL 2014)

VDH-DSS Shellfish Condemnation 002-001M2, 9/20/2013

The area was seasonally condemned in the 2010 cycle, however condemnation 002-001A expanded in the 2014 cycle. The Shellfish TMDL for Monroe Creek was approved by the EPA on 6/8/2006 and by the SWCB on 7/27/2009. The area was addressed by the TMDL; therefore, it was considered Category 4A.

Condemnation A shrank slightly in the 2016 cycle and section M2 was split off; it will be considered partially delisted (Cat. 2C.)

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAP-A31R_PIN01A00	Pine Hill Creek Watershed	34.91 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - A31R-01-DO / 00908 / 00647 / VAP-A31R-01 (CFL 2002)

During the 2002 cycle, the segment was assessed as impaired of the Aquatic Life use support goals based on DO exceedances at the Route 208 bridge (1APIN000.57). The DO TMDL was due in 2014.

During the 2006 cycle, two Natural Condition studies were performed on Pine Hill Creek. The reports recommended reclassification as Class VII swampwaters.

The Water Quality Standards were revised during the 2010 cycle and Pine Hill Creek was reclassified.

Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence that the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

VAP-A32E_BAN01A00	Barnes Creek	0.0189 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A32E-20-SF (CFL 2014)

Portion of VDH condemnation 004-082D, 1/23/2012

The upper portion of Barnes Creek was assessed as impaired of the Shellfish Use during the 1998 cycle due to a VDH shellfish advisory (082C, 2/10/1997) and was addressed in the TMDL "Chesapeake Bay: Potomac River: Nomini Creek Watershed Total Maximum Daily Load (TMDL) Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination", which was approved by the EPA on 8/22/2007. This lower portion was listed in the 2014 cycle due to expansion of the Nomini Creek condemnation. It was considered nested in the Barnes Creek TMDL.

During the 2016 cycle, the condemnation shrank and lower Barnes Creek was reopened for harvest (004-082, 1/22/2014); therefore, the segment will be delisted.

VAP-A32E_BUB01A04	Buckner Creek	0.0736 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0737 mi2 - A32E-05-SF / TMDL 33108 (CFL 1998)

The upper portion of Buckner Creek was assessed as impaired of the Shellfish Use during the 1998 cycle due to VDH shellfish advisory 082D, 2/10/1997. Although the closure was expanded during the 2008 cycle (004-082B 1/27/2006), the 2007 TMDL "Chesapeake Bay: Potomac River: Nomini Creek Watershed Total Maximum Daily Load (TMDL) Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination" only addressed the original upstream impaired area, which is classified as Category 4A.

However, the impairment expanded during the 2014 cycle due to VDH Shellfish Condemnation 004-082B, 1/25/2010 (see A32E-05-SF2).

In the 2016 cycle, the condemnation shrank (004-082B, 1/22/2014); the condemned area will remain Category 4A and the lower portion will be partially delisted (Category 2C.)

2006 VAP-A32E-05 and 00910 / 2008 A32E-05-SF

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAP-A32E_BUB02B14	Buckner Creek	0.0213 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A32E-05-SF2 (CFL 2014)

VDH Shellfish condemnation 004-082, 1/22/2014 - open

The upper portion of Buckner Creek was assessed as impaired of the Shellfish Use during the 1998 cycle due to VDH shellfish advisory 082D, 2/10/1997. The condemnation expanded during the 2014 cycle (portion of VDH Shellfish Condemnation 004-082B, 1/25/2010). However, the 2007 TMDL "Chesapeake Bay: Potomac River: Nomini Creek Watershed Total Maximum Daily Load (TMDL) Report for Shellfish Condemnation Areas Listed Due to Bacteria Contamination" only addressed the original upstream impaired area, which is classified as Category 4A. The expansion was considered nested in the Buckner Creek TMDL.

During the 2016 cycle, the shellfish condemnation shrank considerably and is now smaller than the 1997 condemnation. The expansion will be delisted.

VAP-A32E_NOM01A04	Nomini Creek, Pierce Creek	0.347 Square Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - Enterococci - A32E-04-BAC (CFL 2014)

During the 2014 cycle, Nomini Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 4/34 at 1ANOM005.99, which is located at the Route 202 bridge.

The bacterial impairment is located within the boundary and tidal excursion of the Nomini Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. As the Shellfish Use bacterial WQS is lower than the Recreation Use standard, the impairment was considered nested.

The exceedance rate fell to 3/34 in the 2016 cycle; therefore, the segment will be delisted.

VAP-A32E_NOM01A98	Nomini Creek	0.5404 Square Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - Enterococci - A32E-04-BAC (CFL 2014)

During the 2014 cycle, Nomini Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 4/34 at 1ANOM005.99, which is located at the Route 202 bridge.

The bacterial impairment is located within the boundary and tidal excursion of the Nomini Creek Shellfish TMDL, which was approved by the EPA on 8/22/2007 and by the SWCB on 7/31/2008. As the Shellfish Use bacterial WQS is lower than the Recreation Use standard, the impairment was considered nested.

The exceedance rate fell to 3/34 in the 2016 cycle; therefore, the segment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAP-A32R_LEC01A10	Lee Creek	1.35 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - A32R-02-DO (CFL 2010)

During the 2010 cycle, Lee Creek was assessed as impaired of the Aquatic Life Use due to dissolved oxygen exceedances at 1ALEC001.18, which is located at the Rt. 675 bridge. The violation rate was 4/13 during the 2012 cycle.

Additional monitoring was conducted during the 2016 cycle. The exceedance rate was 2/20; therefore, the stream will be delisted.

VAP-A32R_NOM02A14	Nomini Creek	3.37 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - pH 3.37 Miles - A32R-06-PH (CFL 2014)

During the 2014 cycle, monitoring occurred throughout the upper Nomini Creek watershed. Multiple tributaries indicated low pH - including Nomini Creek, Marshall Creek, Buena Vista Branch, Oldham Creek, Newtons Mill Run, Antioch Branch, and Templeman Run.

4/5 at 1AANT001.31
3/12 at 1ABUV000.15
2/12 at 1AMAR000.62
2/12 at 1ANET001.77
2/12 at 1AOLD000.70
3/12 at 1ATEM003.54
2/12 at 1ANOM012.38

Note; Nomini Creek, UT (XLK) and Tavern Run were already listed for pH (see A32R-03-PH and A32R-05-PH).

Additional monitoring was conducted during the 2016 cycle at 1ANOM0012.38. The pH exceedance rate was acceptable 2/23 and Nomini Creek will be partially delisted.

VAP-A33E_WES01A06	West Yeocomico River	0.03 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A33E-16-SF (CFL 2012)

VDH-DSS Condemnation 007-028M3, 8/7/2014

The area was impaired in the 2014 cycle due to VDH-DSS Condemnation 007-028D, 10/30/2012. The impairment was considered nested within the West Yeocomico River Shellfish TMDL. The TMDL was included in the Yeocomico River Watershed Shellfish TMDL Report, which was approved by the EPA on 6/8/2006.

During the 2016 cycle, the condemnation converted to seasonally condemned; therefore, the impairment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAP-A33L_HAM01A12	Hampton Hall, Gardy Millpond	45.86 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- Temperature - A33L-01-TEMP (2014)

During the 2016 cycle an error was discovered from the 2014 cycle. The temperature impairment from 2014 cycle was actually a DO impairment. The violation rate for the DO impairment was 13/69 at station 1AHAM003.08. No new data has been collected since the 2014 cycle. The Temperature was partially delisted during the 2016 cycle due to this error.

VAP-A34E_BOT01A04	Boathouse Creek	0.0671 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A34E-25-SF / 00930 / VAP-A34E-25 (CFL 2004)

VDH Shellfish Condemnation 008-214D, 2/23/2012 - open 3/10/2014

Boathouse Creek was assessed as not supporting of the Shellfish Consumption Use during the 2008 cycle due to VDH-DSS condemnation 008-214E, 2/17/2005.

During the 2014 cycle, the impairment was considered nested in the Coan River Shellfish TMDL, which was approved by the EPA on 12/18/2003.

Boathouse Creek was open for harvest in 008-214, 3/10/2014; therefore, the impairment will be delisted.

VAP-A34E_BRD01A98	Bridgeman Creek	0.0447 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A34E-10-SF / 00931 / VAP-A34E-10 / Federal ID 380526 (CFL 1998)

VDH-DSS Condemnation Notice 009-142A, 3/30/2009 - open in 3/24/2014

Bridgeman Creek was included on the 1998 303(d) list due to VDH condemnation 142C, 1/31/1997. The Shellfish TMDL for Bridgeman Creek was developed during the 2010 cycle based on the maximum extent of the impairment (3/17/2008). The TMDL was approved by the EPA on 11/16/2009.

During the 2016 cycle, Bridgeman Creek was open for harvest (009-142, 3/26/2014); therefore, Bridgeman Creek will be delisted (Category 2C).

VAP-A34E_COA01A02	Coan River	0.009 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A34E-32-SF / 10068 / VAP-A34E-32 / 0069 / VAP-A34E-05 (CFL 2004)

Portion of VDH-DSS Condemnation Notice 008-214B, 2/23/2012 - open 3/10/2014

Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments.

The impairment is considered nested within the Coan River Shellfish TMDL, which was approved by the EPA on 12/18/2003.

During the 2016 cycle, condemnation 008-214B, 3/10/2014 shrank considerably and the expansion will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAP-A34E_COA01B16	Coan River	0.0277 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0278 mi2 - A34E-05-SF2 / VAP-A34E-05 / 00069 / Federal ID 18429 (CFL 1998)

Portion of VDH-DSS Condemnation Notice 8-214B, 3/10/2016

Mill Creek and the upstream most portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145I, 2/25/1997. The impairment has expanded in several assessment cycles. However only the original segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas", which was completed during the 2006 cycle and approved by the EPA on 12/18/2003 and by the SWCB on 12/02/2004. The segment is classified as Category 4A for shellfish consumption.

During the 2016 cycle, the condemnation shrank significantly and is now smaller than the TMDL extent. The newly opened portion will be partially delisted (0.0284 mi2 Cat 2C).

VAP-A34E_ROG01B16	Rogers Creek	0.0229 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0229 mi2 - A34E-13-SF / 00942 / VAP-A34E-13 / Federal ID 38023 (CFL 1998)

VDH-DSS Condemnation Notice 009-142C, 3/20/2012 - open 3/26/2014

Rogers Creek was included on the 1998 303(d) list due to VDH condemnation 142B, 1/31/1997. The Shellfish TMDL for Rogers Creek was developed during the 2010 cycle based on the maximum extent of the impairment (3/17/2008). The TMDL was approved by the EPA on 11/16/2009. During the 2016 cycle, the Rogers Creek condemnation shrank. The upstream portion remains impaired (Category 4A); the downstream portion will be partially delisted (Category 2C.)

VAP-A34E_SLO05A98	Little Wicomico River: Slough Creek	0.0324 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - A34E-28-SF / 10064 / VAP-A34E-28 (CFL 2006)

Portion of VDH-DSS Condemnation 010-105M1. 6/9/2014 - seasonally condemned

Slough Creek has been impaired of the Shellfishing Use since the 2006 cycle. In the 2014 cycle, it was impaired due to VDH-DSS Condemnation Notice 010-105E, 5/15/2012. The impairment was considered nested in the nearby Bridge Creek Shellfish TMDL, which was approved by the EPA on 12/18/2003.

However, during the 2016 cycle, the area was opened for harvest (seasonally condemned); therefore, the impairment will be delisted.

VAV-B02R_STC01A00	Strait Creek	3.29 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - Bacteria - 3.29 Miles - B02R-06-BAC (2006)

This section of Strait Creek was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2006 assessment period. During the 2006 assessment period 2 of 9 samples (22.22%) at station 1ASTC000.02 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 1 violation of 12 samples (8.33%) for e-coli bacteria at station 1ASTC000.02. With this station indicating improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Strait Creek should be shortened by 3.29 miles and this portion of Strait Creek removed from the 303(d) list. The remaining impairment length is 2.77 miles.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Potomac and Shenandoah River Basins

VAV-B07R_BAB01A00	Babbs Run	11.83 Miles	Recreation	

Delisting Summary:

DELIST 2016 - Bacteria - B07R-01-BAC (2004)

Babbs Run was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. During the 2004 assessment period 2 of 13 samples (15.38%) at station 1ABAB004.54 violated the State's water quality standard for fecal coliform bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1ABAB004.54. Based on this improvement in water quality below a 10.5% violation rate, Babbs Run should be removed from the 303(d) list.

VAV-B12R_MDL01A00	Middle River	23.15 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016 - Benthic Macroinvertebrates - B12R-02-BEN (2010)

Middle River was originally listed on the 303(d) list for violating the State's water quality General Standard for benthic macroinvertebrates during the 2010 assessment period. This was based on an impaired benthic status (Virginia Stream Condition Index (VSCI) < 60) at 1BMDL026.58. Data during the 2016 assessment cycle show that station 1BMDL026.58 has improved and the last two monitoring events scored at 64.1 and 67.2 on the Virginia Stream Condition Index. In addition, the upstream station 1BMDL036.08 located in the same assessment unit indicate a fully supporting for VSCI status as well. Based on this improvement in the benthic macroinvertebrate community above the fully supporting VSCI score of 60, the benthic impairment on Middle River should be removed from the 303(d) list.

DELIST 2016 - Bacteria - 26.07 Miles - B15R-01-BAC (2008)

This section of Middle River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2008 assessment period. During the 2008 assessment period 2 of 10 samples (20%) at station 1BMDL022.09 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1BMDL022.09. Additionally, data at an upstream station within the same assessment unit 1BMDL036.08 show 5 violations of 60 samples (8.33%) for e-coli bacteria. With these stations indicating improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Middle River should be shortened by 26.07 miles and this portion of Middle River removed from the 303(d) list. The remaining impairment length is 17.84 miles.

VAV-B12R_MDL01B10	Middle River	2.92 Miles	Recreation	

Delisting Summary:

DELIST 2016 - Bacteria - 26.07 Miles - B15R-01-BAC (2008)

This section of Middle River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2008 assessment period. During the 2008 assessment period 2 of 10 samples (20%) at station 1BMDL022.09 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1BMDL022.09. Additionally, data at an upstream station within the same assessment unit 1BMDL036.08 show 5 violations of 60 samples (8.33%) for e-coli bacteria. With these stations indicating improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Middle River should be shortened by 26.07 miles and this portion of Middle River removed from the 303(d) list. The remaining impairment length is 17.84 miles.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B40R_GNY01A00	Gooney Run	6.73 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B40R-03-TEMP (2006)

Gooney Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. This listing included three tributaries to Gooney Run (Lands Run, Greasy Run and Smith Creek). These three tributaries were segmented out of the Gooney Run during the 2010 assessment cycle however the temperature impairment was carried forward from the initial listing based off the station 1BGNY000.04 on Gooney Run. During the 2006 assessment period 3 violations of 12 samples (25%) at station 1BGNY000.04 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 1BGNY000.04. Based on this improvement in water quality below a 10.5% violation rate, Gooney Run, Lands Run, Greasy Run and Smith Creek should be removed from the 303(d) list.

VAV-B40R_GNY02A10	Gooney Run	3.39 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B40R-03-TEMP (2006)

Gooney Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. This listing included three tributaries to Gooney Run (Lands Run, Greasy Run and Smith Creek). These three tributaries were segmented out of the Gooney Run during the 2010 assessment cycle however the temperature impairment was carried forward from the initial listing based off the station 1BGNY000.04 on Gooney Run. During the 2006 assessment period 3 violations of 12 samples (25%) at station 1BGNY000.04 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 1BGNY000.04. Based on this improvement in water quality below a 10.5% violation rate, Gooney Run, Lands Run, Greasy Run and Smith Creek should be removed from the 303(d) list.

VAV-B40R_GRS01A10	Greasy Run	3.64 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B40R-03-TEMP (2006)

Gooney Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. This listing included three tributaries to Gooney Run (Lands Run, Greasy Run and Smith Creek). These three tributaries were segmented out of the Gooney Run during the 2010 assessment cycle however the temperature impairment was carried forward from the initial listing based off the station 1BGNY000.04 on Gooney Run. During the 2006 assessment period 3 violations of 12 samples (25%) at station 1BGNY000.04 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 1BGNY000.04. Based on this improvement in water quality below a 10.5% violation rate, Gooney Run, Lands Run, Greasy Run and Smith Creek should be removed from the 303(d) list.

VAV-B40R_JER01A00	Jeremy's Run	4.54 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - B40R-01-PH - pH (2004)

Jeremy's Run was listed on the 303(d) list for violating the State's water quality standard for pH during the 2004 assessment period. During the 2004 assessment period 2 violations of 2 samples (100%) at station USGS 01630565 violated the pH water quality standard. Data assessed during the 2016 assessment period showed 0 violations of 24 samples (0.00%) of the State's pH water quality standard at station 1BJER000.62 and 0 violations of 12 (0.00%) of the State's pH water quality standard at station 1BJER004.48. Based on this improvement in water quality below a 10.5% violation rate, Jeremy's Run should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B40R_JER02A10	Jeremy's Run	7.15 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - B40R-01-PH - pH (2004)

Jeremy's Run was listed on the 303(d) list for violating the State's water quality standard for pH during the 2004 assessment period. During the 2004 assessment period 2 violations of 2 samples (100%) at station USGS 01630565 violated the pH water quality standard. Data assessed during the 2016 assessment period showed 0 violations of 24 samples (0.00%) of the State's pH water quality standard at station 1BJER000.62 and 0 violations of 12 (0.00%) of the State's pH water quality standard at station 1BJER004.48. Based on this improvement in water quality below a 10.5% violation rate, Jeremy's Run should be removed from the 303(d) list.

VAV-B40R_LND01A10	Lands Run	3.97 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B40R-03-TEMP (2006)

Gooney Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. This listing included three tributaries to Gooney Run (Lands Run, Greasy Run and Smith Creek). These three tributaries were segmented out of the Gooney Run during the 2010 assessment cycle however the temperature impairment was carried forward from the initial listing based off the station 1BGNY000.04 on Gooney Run. During the 2006 assessment period 3 violations of 12 samples (25%) at station 1BGNY000.04 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 1BGNY000.04. Based on this improvement in water quality below a 10.5% violation rate, Gooney Run, Lands Run, Greasy Run and Smith Creek should be removed from the 303(d) list.

VAV-B40R_SMC02A10	Smith Creek	2.44 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B40R-03-TEMP (2006)

Gooney Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. This listing included three tributaries to Gooney Run (Lands Run, Greasy Run and Smith Creek). These three tributaries were segmented out of the Gooney Run during the 2010 assessment cycle however the temperature impairment was carried forward from the initial listing based off the station 1BGNY000.04 on Gooney Run. During the 2006 assessment period 3 violations of 12 samples (25%) at station 1BGNY000.04 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 1BGNY000.04. Based on this improvement in water quality below a 10.5% violation rate, Gooney Run, Lands Run, Greasy Run and Smith Creek should be removed from the 303(d) list.

VAV-B43R_BBL01A10	Bible Run	9.83 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-01-BAC (2004)

Little Dry River was listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. This listing included four tributaries to Little Dry River (Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow). These four tributaries were segmented out of the Little Dry River during the 2010 assessment cycle however the fecal coliform impairment was carried forward from the initial listing based off the station 1BLTD001.15 on Little Dry River. During the 2004 assessment period 4 violations of 19 samples (21.05%) at station 1BLTD001.15 violated the State's fecal coliform bacteria standard. Data assessed during the 2016 assessment period showed 0 violations of 11 samples (0.00%) of the State's e-coli bacteria standard at station 1BLTD001.15. Based on this improvement in water quality below a 10.5% violation rate, Little Dry River, Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B43R_CRH01A10	Carr Run	3.02 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-01-BAC (2004)

Little Dry River was listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. This listing included four tributaries to Little Dry River (Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow). These four tributaries were segmented out of the Little Dry River during the 2010 assessment cycle however the fecal coliform impairment was carried forward from the initial listing based off the station 1BLTD001.15 on Little Dry River. During the 2004 assessment period 4 violations of 19 samples (21.05%) at station 1BLTD001.15 violated the State's fecal coliform bacteria standard. Data assessed during the 2016 assessment period showed 0 violations of 11 samples (0.00%) of the State's e-coli bacteria standard at station 1BLTD001.15. Based on this improvement in water quality below a 10.5% violation rate, Little Dry River, Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow should be removed from the 303(d) list.

VAV-B43R_LTD01A00	Little Dry River	34.58 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-01-BAC (2004)

Little Dry River was listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. This listing included four tributaries to Little Dry River (Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow). These four tributaries were segmented out of the Little Dry River during the 2010 assessment cycle however the fecal coliform impairment was carried forward from the initial listing based off the station 1BLTD001.15 on Little Dry River. During the 2004 assessment period 4 violations of 19 samples (21.05%) at station 1BLTD001.15 violated the State's fecal coliform bacteria standard. Data assessed during the 2016 assessment period showed 0 violations of 11 samples (0.00%) of the State's e-coli bacteria standard at station 1BLTD001.15. Based on this improvement in water quality below a 10.5% violation rate, Little Dry River, Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow should be removed from the 303(d) list.

VAV-B43R_NFS01A00	North Fork Shenandoah River	6.64 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-03-BAC (2010)

This section of the North Fork Shenandoah River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2010 assessment period. During the 2010 assessment period 2 of 11 samples (18.18%) at station 1BNFS098.22 and 4 of 35 samples (11.43%) at station 1BNFS093.53 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1BNFS098.22 and 3 violations of 41 samples (7.32 %) for e-coli bacteria at station 1BNFS093.53. Based on this improvement in water quality below a 10.5% violation rate, this section of the North Fork Shenandoah River should be removed from the 303(d) list.

VAV-B43R_SBL01A10	Seventy Buck Lick Run	2.04 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-01-BAC (2004)

Little Dry River was listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. This listing included four tributaries to Little Dry River (Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow). These four tributaries were segmented out of the Little Dry River during the 2010 assessment cycle however the fecal coliform impairment was carried forward from the initial listing based off the station 1BLTD001.15 on Little Dry River. During the 2004 assessment period 4 violations of 19 samples (21.05%) at station 1BLTD001.15 violated the State's fecal coliform bacteria standard. Data assessed during the 2016 assessment period showed 0 violations of 11 samples (0.00%) of the State's e-coli bacteria standard at station 1BLTD001.15. Based on this improvement in water quality below a 10.5% violation rate, Little Dry River, Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B43R_XCL01A10	Clay Lick Hollow	2.95 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-01-BAC (2004)

Little Dry River was listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2004 assessment period. This listing included four tributaries to Little Dry River (Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow). These four tributaries were segmented out of the Little Dry River during the 2010 assessment cycle however the fecal coliform impairment was carried forward from the initial listing based off the station 1BLTD001.15 on Little Dry River. During the 2004 assessment period 4 violations of 19 samples (21.05%) at station 1BLTD001.15 violated the State's fecal coliform bacteria standard. Data assessed during the 2016 assessment period showed 0 violations of 11 samples (0.00%) of the State's e-coli bacteria standard at station 1BLTD001.15. Based on this improvement in water quality below a 10.5% violation rate, Little Dry River, Bible Run, Carr Run, Seventy Buck Lick Run and Clay Lick Hollow should be removed from the 303(d) list.

VAV-B44R_NFS01A00	North Fork Shenandoah River	4.21 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-03-BAC (2010)

This section of the North Fork Shenandoah River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2010 assessment period. During the 2010 assessment period 2 of 11 samples (18.18%) at station 1BNFS098.22 and 4 of 35 samples (11.43%) at station 1BNFS093.53 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1BNFS098.22 and 3 violations of 41 samples (7.32 %) for e-coli bacteria at station 1BNFS093.53. Based on this improvement in water quality below a 10.5% violation rate, this section of the North Fork Shenandoah River should be removed from the 303(d) list.

VAV-B44R_SMK01A00	Shoemaker River	1.87 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B44R-02-BAC (2010)

Shoemaker River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2010 assessment period. During the 2010 assessment period 4 of 17 samples (17.39%) at station 1BSMK004.84 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 10 samples (0.00%) for e-coli bacteria at station 1BSMK004.84. Based on this improvement in water quality below a 10.5% violation rate, Shoemaker River should be removed from the 303(d) list.

VAV-B44R_SMK02A10	Shoemaker River	3.36 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B44R-02-BAC (2010)

Shoemaker River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2010 assessment period. During the 2010 assessment period 4 of 17 samples (17.39%) at station 1BSMK004.84 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 10 samples (0.00%) for e-coli bacteria at station 1BSMK004.84. Based on this improvement in water quality below a 10.5% violation rate, Shoemaker River should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B45R_NFS04A04	North Fork Shenandoah River	2.02 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - B43R-03-BAC (2010)

This section of the North Fork Shenandoah River was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2010 assessment period. During the 2010 assessment period 2 of 11 samples (18.18%) at station 1BNFS098.22 and 4 of 35 samples (11.43%) at station 1BNFS093.53 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 0 violations of 12 samples (0.00%) for e-coli bacteria at station 1BNFS098.22 and 3 violations of 41 samples (7.32 %) for e-coli bacteria at station 1BNFS093.53. Based on this improvement in water quality below a 10.5% violation rate, this section of the North Fork Shenandoah River should be removed from the 303(d) list.

VAV-B52R_CDR04A02	Cedar Creek	3.45 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Benthic Macroinvertebrates - B52R-03-BEN (2002)

Cedar Creek was originally listed on the 303(d) list for violating the State's water quality General Standard for benthic macroinvertebrates during the 2002 assessment period. This was based on an impaired benthic status (USFS MAIS < 13) at station USFS 4003. Data during the 2016 assessment cycle show that station 1BCDR045.30 located in the same assessment unit has never scored below the Virginia Stream Condition Index Fully Supporting score of 60.
Based on this improvement in the benthic macroinvertebrate community above the fully supporting VSCI score of 60, the benthic impairment on Cedar Creek should be removed from the 303(d) list.

VAV-B53R_CDR02A00	Cedar Creek	9.77 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria -14.34 Miles - B53R-01-BAC (2008)

This section of Cedar Creek was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2008 assessment period. During the 2008 assessment period, 2 of 15 samples (13.33%) at station 1BCDR017.19 violated the State's water quality standard for e-coli bacteria. During the 2016 assessment period, 1 of 12 samples (8.33%) exceeded the State's water quality standard for e-coli at station 1BCDR008.29 and 3 of 36 samples (8.33%) violated the State's water quality standard for e-coli at station 1BCDR013.29. With these stations indicating improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Cedar Creek should be shortened by 14.34 miles and this portion of Cedar Creek removed from the 303(d) list. The remaining impairment length is 3.75 miles.

VAV-B53R_CDR03A10	Cedar Creek	4.57 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria -14.34 Miles - B53R-01-BAC (2008)

This section of Cedar Creek was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2008 assessment period. During the 2008 assessment period, 2 of 15 samples (13.33%) at station 1BCDR017.19 violated the State's water quality standard for e-coli bacteria. During the 2016 assessment period, 1 of 12 samples (8.33%) exceeded the State's water quality standard for e-coli at station 1BCDR008.29 and 3 of 36 samples (8.33%) violated the State's water quality standard for e-coli at station 1BCDR013.29. With these stations indicating improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Cedar Creek should be shortened by 14.34 miles and this portion of Cedar Creek removed from the 303(d) list. The remaining impairment length is 3.75 miles.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Potomac and Shenandoah River Basins

VAV-B54R_PSG01A00	Passage Creek	3.86 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - 8.66 Miles - B54R-01-BAC (2006)

This section of Passage Creek was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2006 assessment period. During the 2006 assessment period, 3 of 15 samples (20%) at station 1BPSG001.36 violated the State's water quality standard for e-coli bacteria. During the 2016 assessment period, 4 of 42 samples (9.52%) exceeded the State's water quality standard for e-coli at station 1BPSG001.36. Based on this improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Passage Creek should be shortened by 8.66 miles and this portion of Passage Creek removed from the 303(d) list. The remaining impairment length is 10.42 miles.

VAV-B54R_PSG01B10	Passage Creek	4.79 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - 8.66 Miles - B54R-01-BAC (2006)

This section of Passage Creek was originally listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2006 assessment period. During the 2006 assessment period, 3 of 15 samples (20%) at station 1BPSG001.36 violated the State's water quality standard for e-coli bacteria. During the 2016 assessment period, 4 of 42 samples (9.52%) exceeded the State's water quality standard for e-coli at station 1BPSG001.36. Based on this improvement in water quality below the 10.5% violation rate, the e-coli bacteria impairment on this portion of Passage Creek should be shortened by 8.66 miles and this portion of Passage Creek removed from the 303(d) list. The remaining impairment length is 10.42 miles.

VAV-B56R_CRO01A00	Crooked Run	6.9 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - B56R-01-DO (2008)

This section of Crooked Run was originally listed on the 303(d) list for violating the State's water quality standard for dissolved oxygen during the 2008 assessment period. During the 2008 assessment period, 2 of 9 samples (22.22%) at station 1BCRO-CRO1-FOSR violated the State's water quality standard for dissolved oxygen. This station continued to violate the dissolved oxygen standard in the 2010 assessment cycle and has since not been monitored by the Friends of the Shenandoah River (FOSR). However, additional monitoring by DEQ downstream indicate that this dissolved oxygen impairment does not extend the full length of Crooked Run due to changes in land use and stream morphology. During the 2016 assessment period, 0 of 70 samples (0.00%) exceeded the State's water quality standard for dissolved oxygen at station 1BCRO002.75 and 0 of 10 samples (0.00%) at station 1BCRO006.86. Based on this improvement in water quality below the 10.5% violation rate, the dissolved oxygen impairment on this portion of Crooked Run should be shortened by 6.90 miles and this portion of Crooked Run removed from the 303(d) list. The remaining impairment length is 2.33 miles.

VAV-B57R_RSC01A00	Roseville Run	6.39 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - B57R-04-TEMP (2010)

Roseville Run was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. During the 2006 assessment period 4 violations of 24 samples (16.67%) at station 1BRSC001.42 violated the State's Natural Trout temperature standard. Data assessed during the 2016 assessment period showed 3 violations of 36 samples (8.33%) of the State's Natural Trout temperature standard at station 1BRSC001.42. Based on this improvement in water quality below a 10.5% violation rate, Roseville Run should be removed from the 303(d) list.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored
James River Basin			
VAC-H05R_WKF01A10	Walkers Ford Creek	4.27 Miles	Recreation
Delisting Summary:			
DELIST 2016 - E. coli - H05R-07-BAC/VAC-H05R-01 (2010) Station ID: 2-WKF000.72 (Ambient) E. coli - 1/12 Violation Rate			
VAC-H17R_RKI01A00	Rock Island Creek	8.88 Miles	Recreation
Delisting Summary:			
DELIST 2016 - E. coli - VAC-H17R-01/H17R-04-BAC (2008) Station ID: 2-RKI003.40 (TMDL) E. coli - 1/12 violation rate			
VAC-H35R_LWW01A08	Little Willis River	6.13 Miles	Aquatic Life
Delisting Summary:			
PARTIAL DELIST 2016 - Dissolved Oxygen - H35R-03-DO/VAC-H36R-01 (2014) Station ID: 2-LWW004.14 (Ambient) DO - 2/23 violation rate			
VAC-J03L_XEP01A06	Goodwin Lake	12.28 Acres	Aquatic Life
Delisting Summary:			
DELIST 2016 - Dissolved Oxygen - VAC-J01R-01/J03L-04-DO (2006) Station ID: 2-XEP000.44 (2013/2014 Goodwin Lake) Dissolved Oxygen - 1/35 Violation Rate Non-187 Lake - No nutrients assessed.			
VAP-G01L_FAC01A98	Falling Creek Reservoir	88.37 Acres	Recreation
Delisting Summary:			
Partial Delist 2016- E.coli-VAP-G01L-01, G01L-01-BAC (2008) During the 2016 cycle the segment was fully supporting for E.coli with a violation rate of 0/13 at station at station 2-FAC003.85 and will be delisted.			

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G01R_XYI01A06	XYI - Coles Run, UT	0.94 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G01R-12-DO / 10094 / VAP-G01R-12 (CFL 2006)

The tributary has been assessed as impaired of the Aquatic Life Use based on a dissolved oxygen exceedance rate of 4/4 at USGS station 0203854210, which is located in the breastworks on the National Battlefield.

Additional data was collected during the 2016 cycle at station 2CXBX001.08. The exceedance rates were acceptable (0/4); therefore, the tributary will be delisted.

VAP-G02E_APP01A12	Appomattox River	0.1127 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting of the Aquatic Life Use, citing nutrient concerns.

Several tributaries within the James River system, including tidal Bailey Bay, had previously been listed for dissolved oxygen.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G02E_JMS03A06	James River	0.633 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting of the Aquatic Life Use, citing nutrient concerns.

Several tributaries within the James River system, including tidal Bailey Bay, had previously been listed for dissolved oxygen.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G02E_XGJ01A06	Appomattox River, UT	0.0025 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G02E_XGK01A06	James River, UT	0.0021 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G02R_FOM02A06	Upper Fourmile Creek	9.91 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G02R-06-DO / 10030 / VAP-G02R-06 (CFL 2006)

During the 2006 cycle, the upstream portion of the Fourmile Creek watershed was considered impaired due to dissolved oxygen exceedance rates of 4/15 at 2-FOM006.87 (Darbytown Road) and 2/12 at 2-XTV001.69 (Strath Road).

No additional data has been collected. However, during the 2010 cycle, the Fourmile Creek watershed was reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G03E_BLY01A98	Bailey Creek/Cattail Creek	0.1144 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 1994)

Tidal Bailey Creek was initially listed on the 1994 cycle 303(d) list because of excessive exceedances of the dissolved oxygen standards.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_GRV01A02	Gravelly Run	0.0094 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_GUN01B00	Gunns Run	0.0421 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size		Uses Partially / Fully Restored	

James River Basin

VAP-G03E_JMS01A00	James River	10.1939	Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting of the Aquatic Life Use, citing nutrient concerns.

Several tributaries within the James River system, including tidal Bailey Bay, had previously been listed for dissolved oxygen.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_JMS01B10	James River	3.4854	Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_PTH01A00	Poythress Run	0.002	Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G03E_PWL01A02	Powell Creek	0.3955 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_QEE01A06	Queens Creek	0.2256 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03E_ZZZ01A14	Unsegmented estuaries in G03	0.2665 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G03E_ZZZ01C14	Unsegmented estuaries in G03	0.3352 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G03R_BLY02A08	Bailey Creek	1.35 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G03R-02-DO (CFL 2008)

During the 2008 cycle, monitoring was conducted at 2-BLY003.42, which is located at the Route 156 bridge. The segment of Bailey Creek from Manchester Run to the tidal limit was assessed as impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 2/14.

The exceedance rate was acceptable during the 2016 cycle (0/14); therefore, the segment will be delisted.

VAP-G03R_GUN01A00	Gunns Run and tributaries	19.75 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G03R-01 / 01143 / VAP-G03R-01 (CFL 2002)

In the 2002 cycle, the upper mainstem of Gunns Run was assessed as not supporting of the Aquatic Life Use due to dissolved oxygen exceedances recorded at the Route 618 bridge (2-GUN004.00).

During the 2008 cycle, Gunns Run and its tributaries from the head of tide at river mile 2.64 upstream to its headwaters were recommended for reclassification as Class VII swampwaters. The segment was adjusted to correct the tidal extent and expanded to include the applicable tributaries.

The watershed was reclassified during the 2010 cycle.

Additional monitoring was conducted at 2-GUN004.00 during the 2016 cycle. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G04E_BNG01A04	Brandon Gut	0.0053 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G04E_JMS01A02	James River	7.7555 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting of the Aquatic Life Use, citing nutrient concerns.

Several tributaries within the James River system, including tidal Bailey Bay, had previously been listed for dissolved oxygen.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G04E_JMS02A02	James River	20.4085 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSOH-DO-BAY / VAP-G03E-02 / 10125 / Federal IDs 40824, 40825, and 40826 (CFL 1998)
The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll_ a exceedances. During the 1998 cycle, EPA extended the impairment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The entire Oligohaline James River estuary failed the 30-day Open Water summer dissolved oxygen criteria.

However, during the 2010 cycle, the segment passed all DO criteria which could be assessed. The mainstem James River remained impaired for the Aquatic Life Use due to policy at the time. The tributaries were delisted (partial).

During the 2014 cycle, the JMSOH estuary failed the Open Water 30-day mean summer dissolved oxygen criterion.

JMSOH meets both the summer and rest-of-year 30-day mean dissolved oxygen criteria in the 2016 cycle. There is insufficient information to assess the other dissolved oxygen criteria. The segment will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is Category 2C.

PARTIAL DELIST 2016 - Chlorophyll a - G04E-04-CHLA / Federal ID 40825 (CFL 2008)
The James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting the Aquatic Life Use, citing nutrient concerns.

A special site-specific chlorophyll standard for the mainstem James River was adopted during the 2008 cycle. The oligohaline segment previously exceeded the spring seasonal mean. However, during the 2016 cycle, JMSOH meets both the spring and summer mean criteria and the segment will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is Category 2C.

VAP-G04E_JMS03A04	James River	3.7562 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

The mainstem James River from the Appomattox River to the Chickahominy River was originally listed on the 1998 list as fully supporting but threatened of the Aquatic Life Use goal based on chlorophyll a exceedances. During the 1998 cycle, EPA extended the segment upstream to the fall line and downgraded the river to not supporting of the Aquatic Life Use, citing nutrient concerns.

Several tributaries within the James River system, including tidal Bailey Bay, had previously been listed for dissolved oxygen.

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G04E_KEN01A06	Kennon Creek	0.0537 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G04E_UCK01A06	Upper Chippokes Creek	1.0168 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G04E_ZZZ01A14	Unsegmented estuaries in G04	0.0819 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G04E_ZZZ01B14	Unsegmented estuaries in G04	0.2308 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G04E_ZZZ01C14	Unsegmented estuaries in G04	0.3479 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - JMSTFL-DO-BAY / 01782 / VAP-G03E-02 / Federal IDs 40833, 40835, and 40837 (CFL 2006)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented.

During the 2016 cycle, the lower tidal freshwater James River estuary passes both of the Open Water Subuse's 30-day mean dissolved oxygen criteria. There is insufficient information to assess the other OW criteria or the Migratory Spawning Use. JMSTFL will be delisted for dissolved oxygen.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-G04E_ZZZ02A06	Unsegmented estuaries in G04	0.0001 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - JMSOH-DO-BAY / Federal IDs 40824, 40825, and 40826 (CFL 2014)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The JMSOH estuary failed the Open Water 30-day mean summer dissolved oxygen criterion in the 2014 cycle.

JMSOH meets both the summer and rest-of-year 30-day mean dissolved oxygen criteria in the 2016 cycle. There is insufficient information to assess the other dissolved oxygen criteria. The segment will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-G04R_WRD01A00	Wards Creek	8.1 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - G04R-01-BAC / 10035 / VAP-G04R-01 (CFL 2006)

During the 2006 cycle, Wards Creek was assessed as not supporting of the Recreation Use support goal based on an E. coli exceedances at monitoring station 2-WRD005.40, which is located at the Route 10 bridge.

The impairment was addressed in the Turkey Island Creek and James River Westover Bacterial TMDL, which was approved by the SWCB on 10/1/2015 and by the EPA on 12/22/2015.

However, the exceedance rate was acceptable during the 2016 cycle (3/35) and the stream will be delisted (Category 2C.)

VAP-G05R_CHK02A04	Chickahominy River	8.27 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G05R-03-DO (CFL 2012)

During the 2012 cycle, the segment of the Chickahominy from the confluence with Stony Run downstream to the Route 360 bridge was assessed as not supporting of the Aquatic Use due to a dissolved oxygen exceedance rate of 2/12 at 2-CHK067.30.

This segment of the river is classified as Class VII swampwater. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the dissolved oxygen impairment has been removed.

VAP-G06R_BEV01A00	Beaverdam Creek	4.97 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - pH 4.97 miles - G06R-06-PH / 01155 / VAP-G06R-06 (CFL 2004)

Beaverdam Creek was previously assessed as not supporting of the Aquatic Life Use based on a pH standard exceedance rate of 3/4 at USGS station 02042433.

During the 2008 cycle, monitoring at DEQ station 2-BEV002.00 at the Route 156 bridge, only slightly upstream of the USGS station, had an acceptable exceedance rate of 0/11; therefore continued monitoring was recommended.

During the 2014 cycle, monitoring was conducted at 2-BEV002.00 as well as 2-BEV-RICH01-NPS, which is a National Park Service station. The NPS station had an acceptable violation rate (0/31), however the DEQ station was 3/26; therefore, the segment remained impaired.

During the 2016 cycle, widespread monitoring was conducted by the DEQ and National Park Service. Although the majority of stations had acceptable pH, the upstream-most station, 2-BEV006.75 continues to have pH exceedances (7/13). The segment will be shortened to end at tributary XBT and the downstream portion will be partially delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-G06R_CHK01A98	Chickahominy River	7.45 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G06R-01-DO / 00447 / VAP-G06R-01N (CFL 1996)

The Chickahominy River has been assessed as not supporting of the Aquatic Life use goal since 1996 due to dissolved oxygen exceedances at the Route 360 bridge (2-CHK062.57) and at the Route 156 bridge (2-CHK055.04).

A Natural Conditions Assessment for DO in the Chickahominy River was conducted during the 2008 cycle. The report recommended that the Chickahominy River from its confluence with Toe Ink Swamp at rivermile 43.07 upstream to the confluence with Stony Run at rivermile 71.03 be reclassified as Class VII swampwater.

The river was reclassified as Class VII swampwater during the 2010 cycle. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-G06R_DER01A04	Deep Run	2.35 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G06R-10-DO / 10122 / VAP-G06R-10 (CFL 2006)

During the 2006 cycle, Deep Run was considered impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 2/15 at 2-DER000.65. No additional data has been collected.

The stream is classified as Class VII. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the dissolved oxygen impairment has been removed.

VAP-G06R_POS01A00	Possum Run	4.86 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - pH - G06R-14-PH (CFL 2008)

During the 2008 cycle, Possum Run was assessed as impaired of the Aquatic Life Use due to a pH violation rate of 2/3 at 2-POS002.62, which is a freshwater probabilistic monitoring station.

Additional monitoring was conducted in the 2016 cycle at station 2-POS000.47, which is located at the Route 609 bridge. The pH exceedance rate was acceptable (1/12); therefore, the segment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-G06R_WOS02A02	White Oak Swamp	3.48 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G06R-08-DO / 10040 / VAP-G06R-08 (CFL 2006)

During the 2006 cycle, the segment was considered impaired of the Aquatic Life Use due to dissolved oxygen exceedances at 2-WOS008.15.

The exceedance rates were 2/12 at 2-WOS006.92 and 5/12 at 2-WOS008.15 during the 2010 cycle.

The watershed was reclassified as Class VII swampwaters during the 2010 cycle. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-G06R_WSC01A04	White Oak Swamp Creek	3.81 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G06R-09-DO / 10041 / VAP-G06R-09 (CFL 2006)

During the 2006 cycle, White Oak Swamp Creek was considered impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 2/15 at 2-WSC002.62. No additional data has been collected.

The watershed was reclassified as Class VII swampwaters during the 2010 cycle. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-G06R_XZS01A10	White Oak Swamp, UT	1.44 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G06R-02-DO (CFL 2010)

During the 2010 cycle, the tributary was impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 2/2 at probabilistic monitoring station 2-XZS000.38.

The White Oak Swamp watershed is classified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-G08E_CHK02A00	Chickahominy River	5.9197 Square Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - Enterococci - G08E-04-BAC / 10098 / VAP-G08E-04 (CFL 2006)

The Chickahominy River below Diascund Creek was initially assessed as not supporting the Recreation Use due to enterococci exceedances at 2-CHK002.17.

During the 2012 cycle, the violation rate was acceptable (1/32). However, the violation rate was 6/46 at 2-CHK006.14 and 3/11 at 2-CHK014.33; therefore, the segment remained listed.

No additional monitoring was collected during the 2014 cycle at 2-CHK014.33. However, exceedance rates at the original listing station 2-CHK002.17 as well as at station 2-CHK006.14 were acceptable (1/35 and 7/69); therefore continued monitoring was recommended.

The Recreation Use was met at all three stations in the 2016 cycle and the Chickahominy River will be delisted.
0/33 at 2-CHK002.17
6/69 at 2-CHK006.14
0/12 at 2-CHK014.33

VAP-G08E_GOR01A06	Gordon Creek	0.2034 Square Miles	Recreation

Delisting Summary:

DELIST 2016 - Enterococci - G08E-05-BAC (CFL 2012)

During the 2012 cycle, tidal Gordon Creek was impaired of the Recreation Use due to an enterococci exceedance rate of 4/33 at 2-GOR000.35.

The exceedance rate was acceptable during the 2016 cycle (2/22); therefore, Gordon Creek will be delisted.

VAP-G08R_MCR01A04	Mill Creek	4.81 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - G08R-02-DO / 01166 / VAP-G08R-02 (CFL 2004)

Mill Creek was initially assessed as not supporting of the Aquatic Life use support (ALUS) goal in 2004 based on dissolved oxygen (DO) exceedances at the Route 603 bridge (2-MCR002.38).

During the 2012 cycle, the segment remained impaired for DO with an exceedance rate of 3/14.

The exceedance rate fell to 3/36 in the 2016 cycle and Mill Creek will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-G08R_MOC01A98	Morris Creek	6.93 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G08R-01 / 00342 / 00343 / VAP-G08R-01 (CFL 1998)

Morris Creek was assessed as not supporting of the Aquatic Life use support (ALUS) goal based on water quality monitoring performed at the Route 623 bridge (2-MOC005.97). The segment was initially listed in 1998.

During the 2008 cycle, additional monitoring was conducted. The impairments were confirmed with the following violation rates:
DO 11/22 at 2-MOC005.97
DO 6/10 at 2-MOC010.97

A Natural Conditions Assessment recommended that Morris Creek and its tributaries from the head of tide at river mile 5.97 upstream to its headwaters be reclassified as Class VII swampwaters. The nontidal watershed above rivermile 5.97 was reclassified during the 2010 cycle. However, it was determined that the tidal limit is actually located at rivermile 6.67; therefore, the original listing station is no longer in this segment. The nontidal Morris Creek is assessed based on stations 2-MOC010.97 and 2-MOC006.67. The dissolved oxygen violation rate was 9/16 at 2-MOC010.97 during the 2010 cycle; therefore, the segment remained Category 4C for DO.

No additional data has been collected. However, per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

VAP-G08R_XAF01A12	XAF - Morris Creek, UT	1.06 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - G08R-03-DO (CFL 2012)

During the 2012 cycle, XAF was assessed as not supporting of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 2/2 at 2CXAF000.46.

However, XAF is classified as a Class VII waterbody in the Virginia Water Quality Standards. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

VAP-G09R_DSC01A00	Diascund Creek	6.88 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - G09R-02-BAC (2008)

During the 2008 cycle, Diascund Creek was assessed as not supporting of the Recreation Use due to an E. coli exceedance rate of 4/24 at the Route 628 bridge (2-DSC012.67). The exceedance rate was 3/15 during the 2012 cycle.

However, Diascund Creek met the E. coli criterion during the 2016 cycle (0/12 at 2-DSC012.67). The segment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-G10E_ZZZ01A14	Unsegmented estuaries in G10E	0.0186 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - JMSOH-DO-BAY / Federal IDs 40824, 40825, and 40826 (CFL 2014)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The JMSOH estuary failed the Open Water 30-day mean summer dissolved oxygen criterion in the 2014 cycle.

JMSOH meets both the summer and rest-of-year 30-day mean dissolved oxygen criteria in the 2016 cycle. There is insufficient information to assess the other dissolved oxygen criteria. The segment will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is Category 2C.

VAP-G10E_ZZZ01B14	Unsegmented estuaries in G10E	0.4843 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - JMSOH-DO-BAY / Federal IDs 40824, 40825, and 40826 (CFL 2014)

During the 2006 cycle, the Chesapeake Bay water quality standards were implemented. The JMSOH estuary failed the Open Water 30-day mean summer dissolved oxygen criterion in the 2014 cycle.

JMSOH meets both the summer and rest-of-year 30-day mean dissolved oxygen criteria in the 2016 cycle. There is insufficient information to assess the other dissolved oxygen criteria. The segment will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is Category 2C.

VAP-H33R_DCR01A98	Deep Creek	0.37 Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - H33R-02-BAC (CFL 2014)

During the 2014 cycle, the segment was impaired of the Recreation Use due to an E. coli exceedance rate of 2/12 at 2-DRC003.00, which is located on Deep Creek at the Route 684 bridge.

It was nested in the upper James River TMDL in the James River and Tributaries - Lower Piedmont report, which was approved by the EPA on 6/11/2008 and by the SWCB on 4/28/2009.

The exceedance rate was acceptable during the 2016 cycle (2/23); therefore, the impairment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-H34R_LTP01A04	Little Byrd Creek	8.14 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - H34R-02-BAC (CFL 2008)

During the 2008 cycle, Little Byrd Creek was assessed as impaired of the Recreation Use due to E. coli violation rates of 2/11 at the Route 667 bridge (2-LTP002.00) and 4/12 at the Route 610 bridge (2-LTP004.81).

Little Byrd Creek is a tributary of Byrd Creek, which is also impaired due to bacteria. The TMDL for Byrd Creek was approved by the EPA on 6/11/2008 and by the SWCB on 4/28/2009. The TMDL requires a 100% reduction in anthropogenic direct loads, 99% reductions for agriculture, residential and urban loads, and a 71% reduction in wildlife loads; therefore Little Byrd Creek was considered a nested water (Category 4A).

Additional monitoring was conducted during the 2016 cycle. The E. coli exceedance rate was acceptable at station 2-LTP004.81 (1/11); therefore, Little Byrd Creek will be delisted.

VAP-H34R_RSM01A08	Ransome Creek	3.37 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Benthic Macroinvertebrates - H34R-06-BEN (CFL 2008)

During the 2008 cycle, Ransome Creek was assessed as impaired of the Aquatic Life Use due to impairment of the benthic community at 2005 freshwater probabilistic monitoring station (2-RSM001.88).

Further monitoring was conducted at 2-RSM001.88 in 2011 and also at replacement station 2-RSM000.58 during 2011, 2012, and 2014. The benthic community was fully supporting; therefore, Ransome Creek will be delisted.

VAP-H37R_BLG02A08	Big Lickinghole Creek	3.34 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - H37R-03-DO (CFL 2008)

During the 2008 cycle, the upstream segment of Big Lickinghole Creek was assessed as impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 5/11 at 2-BLG012.33 (the Route 609 bridge).

The exceedance rate was acceptable during the 2016 cycle (0/11); therefore, the segment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-H39R_JMS01A98	James River	7.44 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - H39R-26-BAC (CFL 2014)

During the 2014 cycle, the James River between Tuckahoe Creek and William's Island dam was impaired of the Recreation Use due to an E. coli exceedance rate of 4/35 at 2-JMS117.35, which is located at the Huguenot Bridge.

The segment is within the study area for the downstream James River - City of Richmond Bacterial TMDL, which was approved by the EPA on 11/4/2010. The impairment was considered nested (Category 4A.)

The exceedance rate fell to 4/38 in the 2016 cycle; therefore, the segment will be delisted.

VAP-H39R_RDD01A00	Reedy Creek	2.37 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - H39R-06-DO (CFL 2008)

During the 2008 cycle Reedy Creek was assessed as not supporting the Aquatic Life Use due to dissolved oxygen exceedances at the 44th Street bridge and at the Deter Road bridge (2-RDD001.57 and 2-RDD003.61, respectively).

In the 2012 cycle, the violation rates were 3/26 at 2-RDD001.57 and 3/12 at 2-RDD003.61. Dissolved oxygen was acceptable in the lower portion of Reedy Creek (0/27 at 2-RDD000.19 and 0/13 at 2-RDD000.99); therefore, the segment was shortened to end at the tributary above Roanoke Street.

Additional sampling was conducted at 2-RDD001.57 in the 2014 cycle. The DO exceedance rate was acceptable (0/13). However, ACB also conducted monitoring at the same location (2-RDD-RC3-ACB); the violation rate was 2/10. The combined exceedance rate is 2/23 at that location. Although passing, the exceedance rate is marginal and there was no additional monitoring at 2-RDD003.61; therefore, the segment remained impaired for the 2014 cycle but continued monitoring was recommended.

The dissolved oxygen exceedance rate was acceptable at all stations on Reedy Creek in the 2016 cycle; therefore, it will be delisted.
0/25 at 2-RDD000.76
0/23 at 2-RDD-RC1-ACB
2/24 at 2-RDD-RC3-ACB
0/21 at 2-RDD-RC4-ACB

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-H39R_TKO03A98	Tuckahoe Creek	8.97 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen 8.97 mi - H39R-02-DO / 00687 / VAP-H39R-02 (CFL 2006)

There have been widespread dissolved oxygen exceedances on separate segments within the Tuckahoe Creek watershed.

The Tuckahoe Creek Natural Conditions Assessment report was completed in November 2005 to determine the source of the dissolved oxygen impairments. The report recommended delisting Deep Run and Little Tuckahoe Creek, reclassifying Tuckahoe Creek from Little Tuckahoe Creek to its mainstem as Class VII waters due to swamp conditions, and assessing multiple streams within the watershed as Category 4C waters due to natural low flow conditions. A portion of Tuckahoe Creek was delisted in the 2006 cycle due to acceptable dissolved oxygen exceedance rates.

Tuckahoe Creek was reclassified as Class VII swampwaters during the 2010 cycle.

Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed and the Class VII portion of Tuckahoe Creek will be partially delisted in the 2016 cycle.

VAP-H39R_XUT01A04	XUT - Tuckahoe Creek, UT	1.8 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen 1.8 mi - H39R-02-DO / 00687 / VAP-H39R-02 (CFL 2006)

There have been widespread dissolved oxygen exceedances on separate segments within the Tuckahoe Creek watershed.

During the 2006 cycle, the tributary was assessed as impaired of the Aquatic Life Use due to a dissolved oxygen violation rate of 3/13 at 2-XUT000.62.

The Tuckahoe Creek Natural Conditions Assessment report was completed in November 2005. The low dissolved oxygen in the segment was attributed to natural low-flow conditions and it was recommended that the segment be assessed Cat. 4C.

Additional field data were collected in the 2016 cycle. The dissolved oxygen exceedance rate was acceptable (1/11); therefore, it will be partially delisted.

DELIST 2016 - pH - H39R-03-PH / 10043 / VAP-H39R-03 (CFL 2006)

During the 2006 cycle, the segment was assessed as impaired of the Aquatic Life Use due to a pH violation rate of 2/13 at 2-XUT000.62.

Additional field data was collected in the 2016 cycle. The pH exceedance rate was acceptable (0/11); therefore, it will be delisted.

VAP-J07R_SQT01A00	Skinquarter Creek	5.29 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-J07R-01, J07R-01-DO, 00688 (1998)

During the 2016 cycle no new data had been collected. DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAP-J11R_DPC01B00	Deep Creek	11.54 Miles	Recreation	

Delisting Summary:

DELIST 2016- E.coli- VAP-J11R-01, J11R-01-BAC, 00041(2002)

During the 2016 cycle the segment was fully supporting for all that it was monitored for. E.coli had a violation rate of 11/114 at station 2-DPC005.20. and will be delisted.

VAP-J11R_DPC02A00	Deep Creek	5.67 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016-DO-00690/00041, VAP-J11R-02, J11R-02-DO(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for site-specific DO criterion, so the DO impairment has been removed.

DELIST 2016-E.coli- VAP-J11R-02, J11R-02-BAC (2010)

During the 2016 cycle the segment was fully supporting for E.coli at station 2-DPC017.07 with a violation rate of 1/12 and at station 2-DPC019.03 with a violation rate of 4/60 and will be delisted.

VAP-J12R_WPK01A98	Winterpock Creek	8.43 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016- DO- 00658/00681, VAP-J12R-02, J12R-02-DO (1994)

During the 2016 cycle new data was collected and DO had a violation rate of 5/12 . DO violations were documented in this water beginning in 1994. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for site-specific DO criterion, so the DO impairment has been removed.

VAP-J12R_WTK02A00	Winticomack Creek	4.07 Miles	Aquatic Life	

Delisting Summary:

Partial Delist 2016-DO- VAP-J12R-01, J12R-01-DO, 00659/00689 (1998)

During the 2016 cycle no new data was collected for DO which has been impaired since 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for site-specific DO criterion.

VAP-J12R_XTZ01A04	UT to Winticomack Creek	2.81 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016- DO-01203/01204, VAP-J12R-04, J12R-04-DO(2004)

During the 2016 cycle no new data was collected for DO which has been impaired since 2004. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for site-specific DO criterion.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAP-J14R_CCC01A06	Cattle Creek	2.25 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-pH-VAP-J14R-01, J14R-01-PH(2010)

During the 2016 cycle the segment as fully supporting for aquatic life use and the pH will be delisted.

VAP-J15R_APP01A12	Appomattox River	1.94 Miles	Recreation

Delisting Summary:

Partial DELIST 2016-E.coli-00044, VAP-J15R-01, J15R-01-BAC (2002)

During the 2016 cycle the segment was fully supporting for E.coli with a violation rate of 2/36 at station 2-APP012.79

VAP-J16R_BCM01A04	Blackman Creek	4.56 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-pH- 1305, VAP-J16R-02, J16R-02-PH (2004)

During the 2016 cycle the segment was delisted for pH with a violation rate of 1/12, and is fully supporting.

VAP-J17R_FNK01A00	Franks Branch	10.35 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-VAP-J17R-03, J17R-03-PH, 15013 (2006)

During the 2016 cycle the segment was fully supporting for pH (0/12) at station 2-FNK001.12.

VAP-J17R_TBY01A06	Timsbury Creek	6.66 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-PH-VAP-J17R-10, J17R-10-PH (2010)

During the 2016 cycle the segment was fully supporting for all that it was monitored for and will be delisted for pH.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G10E_CLG01A06	College Creek	0.578 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

The benthic impairment was added for this segment in the 2012 assessment. College Creek is included in benthic polygon for the JMSOHb. The impairment is applicable since 2004. CGC G10E-05-EBEN and 2018 TMDL date.

Benthics were also monitored at ProbMon station 2-CLG001.77 and were reserved for judgement.

pH is supporting at station 2-CLG000.23 with 0 viol/ 35 obs. There is insufficient pH data at station 2-CLG001.77 with 0 viol/ 3 obs.

VAT-G10E_JMS01A06	James River Mainstem - Chickahominy R. to Hog Point	17.8432 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)
PARTIAL DELIST 2016 - CHLA - G04E-CHLA (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

Sediment Toxicity is supporting at station 2-JMS040.03

pH is supporting at stations 2-JMS042.92 (0 viol/ 598 obs) , JMS042.92 (0 viol/ 280 obs) and 2-JMS041.27 (0 viol/11 obs).

VAT-G10E_JMS01B08	James River - Carters Grove Area (G10)	0.9854 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)
PARTIAL DELIST 2016 - CHLA - G04E-CHLA (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

pH is supporting with an observed effect at station 2-JMS032.59 with 3 viol/ 625 obs.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G10E_JMS02A06	James River - Hog Point Area (Open Shellfish Area)	2.2402 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)
PARTIAL DELIST 2016 - CHLA - G04E-CHLA (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

VAT-G10E_MIC01A00	Mill Creek	0.0751 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

pH is supporting at station 2-MIC000.03 with 0 viol/ 35 obs.

VAT-G10E_POW01A02	Powhatan Creek/Sandy Bay	0.2041 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

pH is supporting at station 2-POW000.60 with 0 viol/ 34 obs.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G10E_ZZZ01A00	Unsegmented estuaries in G10E	1.1243 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

There is insufficient pH data at ProbMon stations 2CBKR000.23 (0 viol/ 3 obs) and 2CTFR000.62 (0 viol/ 2 obs). Benthics were also analyzed at the aforementioned stations and are reserved for judgement.

VAT-G10E_ZZZ02A00	Unsegmented estuaries - Hog Point Area	0.0043 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

VAT-G11E_BAL01A06	Ballard Creek & Bay-James R. South Shore Tributary	0.019 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_CKT01A04	Chuckatuck & Brewers Creeks	0.5599 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_CKT02A12	Chuckatuck Creek and Mouth in James	0.8856 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_CYP01A06	Cypress Creek	0.2628 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

CitMon citizen's monitoring station @ 2CYP-CYP2-ALL site specific data DO (3 obs - Supporting) and Level II pH (0 viol/ 3 obs)

VAT-G11E_DEP01A02	Deep Creek - Lower	0.1003 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

There is an observed effect for pH at station 2-DEP000.26 with 1 viol/ 35 obs.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_JMS01A06	James River - Gravel Neck to Pagan River	40.2596 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Benthics are supporting ALUS for this segment since 2010.

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) overlisting as impaired for the Aquatic Life Use; the impairment was attributed to excessive nutrients. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Site Specific pH data at Stations:
2-JMS021.04 0 viol / 539 obs
JMSMH_20M 1 viol / 80 obs
JMSMH_8M 0 viol / 78 obs

VAT-G11E_JMS01B08	James River - Hog Island Area [JMSOH area]	3.8456 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)
PARTIAL DELIST 2016 - CHLA - G04E-CHLA (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

The source/stressor tool yielded an unknown source for the impairment. This segment was previously included (2004 IR) in TMDL ID: VAT-G10E-05. The TMDL due date is carried from the previous 2004 IR impairment identification date. The TMDL is due in 2016.

Site Specific pH data:
2-JMS032.59: 3 viol/ 625 obs

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_JMS01C08	James River - Carter Grove Area	0.4038 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

Benthics are supporting ALUS for this segment since 2010.

Chesapeake Bay TMDL approved 12/29/010.

VAT-G11E_JMS01D14	James River - Carters Grove Area (G11)	1.2179 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSOH-DO-BAY (2006)
PARTIAL DELIST 2016 - CHLA - G04E-CHLA (2006)

Aquatic Life Use is not supporting for the James Oligohaline (JMSOH) Chesapeake Bay Program segment based on benthic community impairments (B-IBI). Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

Site Specific pH data at station 2-JMS032.59 : VIOL / 625 VIOL

VAT-G11E_JMS02A06	James River - Jail Point to Hilton Village	24.697 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment was added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Benthics have been supporting since 2010

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_JMS03A06	James River - Along Lower North Shore	3.9425 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment is added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Site Specific pH data at Station JMS017.96: 0 viol/ 291 obs.

VAT-G11E_JMS03B06	James River - Hilton Beach Area	0.1102 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment was added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

VAT-G11E_JMS03C06	James River - Huntington Beach Area	0.008 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment was added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_JMS04A06	James River - Hilton Village to Craney Island	24.8793 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment was added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Site Specific pH data at Stations 2-JMS013.10 , JMSMH_16M, JMSMH_1A_M:

pH: 0 viol/ 386 obs , 0 Viol/ 79, 0 / 84, respectively

VAT-G11E_JMS06A10	James River - Outside Mouth Streeter & Hoffler Creeks	0.1556 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

The Chlorophyll-a impairment was added for the 2008 IR cycle. As the impairment is related to the EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

The Aquatic Life Use Aquatic Plants [Macrophytes] use is impaired for the 2014 cycle based on meeting the SAV criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

VAT-G11E_JOG01A08	Jones Creek - Tributary to Pagan River	0.2293 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_JOG02A08	Jones Creek - Tributary to Pagan River	0.1016 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Ambient Stas 2-JOG000.62 - pH 0 viol / 32 obs

VAT-G11E_KIN01A06	Kings Creek & Bay - James R. South Shore Tributary	0.0365 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_LAW01A00	Lawnes Creek (Tributary to James River)	0.2907 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific pH data at station 2-LAW000.42 : 0 viol/ 12 obs

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_MRS01A06	Morrisons Creek - Mulberry Island	0.1268 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_PGN01A08	Pagan River - Upstream of Chalmers Point	0.2999 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific pH:

2-PGN005.46: (1 viol/ 32 obs)
2-PGN006.65: (0 viol/ 32 obs)
2-PGN007.44: (0 viol/ 5 obs)
2-PGN008.42: (0 viol/ 32 obs)
2PGN-32-ALL: (0 viol/ 9 obs)

VAT-G11E_PGN01D16	Pagan River - Middle	0.1547 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_PGN02A08	Pagan River - Middle	0.9155 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

Chesapeake Bay TMDL EPA approved 12/29/2010.

Site Specific pH:

2-PGN002.58: 0 viol/ 4 obs
2-PGN003.57: 0 viol/ 32 obs
2-PGN004.57: 0 viol/ 32 obs

VAT-G11E_PGN02B14	Pagan River - Middle	0.2456 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site specific pH data 2-PGN001.19: 0 viol/ 32 obs.

VAT-G11E_PGN02D16	Pagan River - Middle	0.0779 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

James River Basin

VAT-G11E_PGN03A10	Pagan River - Mouth Area	0.7369 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016 - FECAL COLIFORM (0.3994 sq mi) - G11E-10-SF (2008)

In 2016, VAT-G11E_PGN02C14 went from condemned to supporting the shellfish use and was subsequently merged with VAT-G11E_PGN03A10. Therefore, the partial delist of the shellfish use from VAT-G11E_PGN02C14 is applied to this assessment unit.

The Shellfishing Use is fully supported based on DSS OPEN shellfish direct harvesting condemnation # 061-064 (20140416). Bacteria impairment covered under TMDL (35579) 'Pagan River & Jones Creek', EPA approved 2/12/2008.

VAT-G11E_RIC01A06	Ragged Island Creek	0.2946 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

CitMon (ACB) Citizen Monitoring station @ 2RIC-RIC-ALL : pH 0 viol/ 59 obs.

VAT-G11E_SFF02A08	Skiffes Creek System [Admin Cond]	0.4518 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

James River Basin

VAT-G11E_SFF03A10	Skiffes Creek - Mouth	0.0595 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_TTS01A16	Titus Creek	0.0169 Square Miles	Aquatic Life	Open-Water Aquatic Life	Fish Consumption

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

CitMon (ACB) Citizen Monitoring station @ 2TTS-TC1-ALL pH data (Level II) pH: 0 viol/ 26 obs

PARTIAL DELIST 2016 - PCB - G10E-03-PCB (2006)

The Fish Consumption Use is fully supporting. The Fish Consumption impairments for the Elizabeth and James River water bodies were revised to better align with the Fish Consumption Advisories. There is an Observed Effect due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

VAT-G11E_TYB01A00	Tylers Beach Boat Basin	0.0109 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11E_WWK01A08	Warwick River - Upper Tidal Portion	0.2833 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_WWK02A08	Warwick River - Middle Tidal Portion	0.075 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G11E_WWK03A08	Warwick River - Lower Tidal Portion	2.5112 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Benthics were sampled at Coastal Probmon station 2CWWK002.14 in 2013 but the assessment was reserved for judgement.

VAT-G11E_ZZZ01A00	Unsegmented estuaries - James R. Tribs	0.3577 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

James River Basin

VAT-G11E_ZZZ02A00	Unsegmented estuaries - Warwick R. Tribs	0.119 Square Miles	Aquatic Life	Open-Water Aquatic Life	Fish Consumption

Delisting Summary:

PARTIAL DELIST 2016 - DO- JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016 - PCB - G10E-03-PCB (2006)

The Fish Consumption Use is fully supporting. The Fish Consumption impairments for the Elizabeth and James River water bodies were revised to better align with the Fish Consumption Advisories. There is an Observed Effect due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

VAT-G11E_ZZZ03A10	Unsegmented estuaries - Homewood Creek	0.06 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is fully supporting. Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

VAT-G11E_ZZZ04A10	Unsegmented estuaries - Hog Island Cr	0.1407 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - DO - JMSOH-DO-BAY (2006)

Aquatic Life Use is fully supporting. Dissolved oxygen is supporting based on summer and rest-of-year 30-day mean data. Chlorophyll-a data is supporting for both summer and rest-of-year. Submerged Aquatic Vegetation is fully supporting based on meeting acreage requirements.

VAT-G11L_LSL01G06	Lone Star Lake G (PWS)	89.65 Acres	Aquatic Life

Delisting Summary:

DELIST 2016 - DISSOLVED OXYGEN - G11L-02-DO (2006)

The Aquatic Life Use is Fully Supporting based on dissolved oxygen concentrations at station 2-LSL000.04 with 3 viol/ 100 obs.

DEQ monitoring station 2-LSL000.04 for Lone Star Lake G (Crane Lake)

Nutrients support ALUS at station 2-LSL000.04. Lone Star Lake G pooled nutrients results: 0 viol/ 2 obs (Assessed Chl-a - no algaecide application)

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G11L_LSL01I06	Lone Star Lake I (PWS)	33.2 Acres	Aquatic Life	

Delisting Summary:

DELIST 2016 - TOTAL PHOSPHORUS - G11L-03-TP (2010)

The Aquatic Life Use is supporting based on dissolved oxygen concentrations below the DEQ minimum allowable instantaneous criteria. Station 2- LSL000.20 has a violation rate of 7.3% (4 violates / 55 obs.).

Dissolved Oxygen was delisted in the 2014 cycle (G11L-03-DO (2006))

Lone Star Lake I monitoring station 2-LSL000.20 (Butler Lake).
Lone Star Lake I pooled nutrient results: 0 viol /2 obs Chla & 0 viol/ 2 obs TP 2014, 2011 (IN);
Nutrients Impaired -Assess TP (algaecide application).Maintain impairment for 2014 need another year of nutrient data.

VAT-G13E_BEN01A04	Bennett Creek - Tributary to Nansemond R. [No TMDL]	0.5417 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific data at station 2-BEN001.42 pH: 0 viol / 36 obs
2BEN-SBC000.35-SUF : 2 viol/ 56 obs

VAT-G13E_BHN01A00	Bleakhorn Creek - Tributary to Nansemond R. Mouth	0.014 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		
James River Basin					
VAT-G13E_BML01A06	Burnetts Mill Creek - Tributary to Upper Nansemond R.	0.0283 Square Miles	Aquatic Life	Open-Water Aquatic Life	Fish Consumption

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016 - PCB - G10E-03-PCB (2006)

The Fish Consumption Use is fully supporting. The Fish Consumption impairments for the Elizabeth and James River water bodies were revised to better align with the Fish Consumption Advisories. There is an Observed Effect due to the VDH (issued 1988) caution to limit consumption of fish on a daily basis due to the potential for Kepone fish tissue contamination, reported in historical fish monitoring data with the potential for presence in the sediments of the James River.

VAT-G13E_KNC01A00	Knotts Creek - Tributary to E. shore Nansemond R.	0.1215 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific data station 2KNC-SKC000.05-SUF : pH 0 viol/ 39 obs

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G13E_NAN01A00	Nansemond River - Upper	0.2692 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Benthics are supporting ALUS for this segment since 2010.
Benthics at Coastal Probmon station 2CNAN017.57 are fully supporting.

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific pH data:

2CNAN017.59: 0 viol/ 5 obs
2-NAN019.14: 0 viol/ 36 obs
2NAN-SNR0015.58-SUF: 0 viol/ 71 obs
2NAN-SNR0018.24-SUF: 0 viol/ 69 obs
2NAN-SNR0018.82-SUF: 0 viol/ 69 obs
2NAN-SNR0019.27-SUF: 0 viol/ 57 obs
2NAN-SNR0019.46-SUF: 0 viol/ 56 obs

VAT-G13E_NAN02A06	Nansemond River - Upper Middle	0.2093 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Benthics are supporting ALUS for this segment since 2010.

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site specific pH at station 2NAN-SNR0013.50-SUF: 0 viol/ 70 obs.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G13E_NAN03A06	Nansemond River - Lower Middle	2.833 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Benthics are supporting ALUS for this segment since 2010.
Benthics at Coastal Probmon station 2CNAN010.55 are reserved for judgement

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific pH data:

2NAN-SNR0011.83-SUF: 0 viol/ 70 obs
2NAN-SNR007.88-SUF: 0 viol/ 58 obs
2NAN-SNR008.82-SUF: 0 viol/ 57 obs

VAT-G13E_NAN04A00	Nansemond River - Lower [No TMDL]	6.303 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Benthics are supporting since 2010.
Benthics are supporting at Coastal Probmon stations 2CNAN000.58 and 2CNAN000.69 and reserved for judgement at stations 2CNAN001.18 and 2CNAN002.00.

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G13E_NAN04C10	Nansemond River - Lower DSS Condemned at Knotts Cr	0.4671 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G13E_SGL01A00	Shingle Creek - Tributary to Nansemond R.	0.0403 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

pH is impaired based on data at station 2-SGL001.00 with 8 viol/ 36 obs.

VAT-G13E_STR01A04	Star & Oyster House Creeks - Tributary to Nansemond R.	0.0459 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G13E_WBN01A06	Western Branch - Tributary to Nansemond R.	0.1063 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific data at Station 2WBN-SWB000.30-SUF :
pH: 0 viol/ 70 obs

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		
James River Basin					
VAT-G13E_ZZZ01A00	Unsegmented Estuaries - Upper Nansemond R.	0.0971 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G13E_ZZZ02A08	Unsegmented Estuaries - Lower Nansemond R.	0.0611 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G15E_HAI01A06	Hampton River	0.5469 Square Miles	Aquatic Life	Open-Water Aquatic Life	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSPH-DO-BAY (2006)

Aquatic Life Use is fully supporting. Rest-of-year chlorophyll-a data are supporting. Benthics are fully supporting. Summer and rest-of-year 30-day mean dissolved oxygen data are supporting. Submerged aquatic vegetation is supporting based on acreage.

PARTIAL DELIST 2016 - ENTEROCOCCI - G15E-06-05-BAC (2010)

The Recreation Use is fully supported based on Enterococci data collected at station 2-HAI000.64 with 0 viol/ 11 obs. Data represents monthly sampling in 2013 with the exception of May.

In 2010, there were 3 viol/ 12 obs at station 2-HAI000.64. This data was collected every other month in 2007 and 2008.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G15E_HOF01A06	Hoffler Creek	0.0527 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

DEQ (AQM) station at 2-HOF000.44. CitMon (ACB) Citizen Monitoring station @ 2HOF-HCWF PIER

VAT-G15E_JMS01A00	James River at Hampton Roads Harbor	25.5404 Square Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - BNUT - JMSPH-BNUT-BAY (2010)

Aquatic Life Use is not supporting for the James Polyhaline (JMSPH) Chesapeake Bay Program segment based on summer Chlorophyll-a impairments. Rest-of-year chlorophyll-a data are supporting. Benthics are fully supporting. Summer and rest-of-year 30-day mean dissolved oxygen data are supporting. Submerged aquatic vegetation is supporting based on acreage.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific pH data at the following stations:

2-JMS000.50: 0 viol/ 1 obs
2-JMS005.72: 0 viol/ 1026 obs
JMSPH_12P: 0 viol/ 86 obs
JMSPH_13P: 0 viol/ 89 obs
JMSPH_21P: 0 viol/ 86 obs
JMSPH_9P: 0 viol/ 90 obs
LE5.5-W: 0 viol/ 556 obs

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G15E_JMS01B06	James River - King/Lincoln Park Beach Area	0.0092 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - BNUT - JMSPH-BNUT-BAY (2010)

Aquatic Life Use is not supporting for the James Polyhaline (JMSPH) Chesapeake Bay Program segment based on summer Chlorophyll-a impairments. Rest-of-year chlorophyll-a data are supporting. Benthics are fully supporting. Summer and rest-of-year 30-day mean dissolved oxygen data are supporting. Submerged aquatic vegetation is supporting based on acreage.

The previous Aquatic Life Use is retained as impaired based on EPA action in 1998 to overlist these waters to the 303d listing. Surrogate impairment holder for previous impairment retained due to EPA action. JMSPH meets 30D assessed Bay oxygen criteria, must remain listed as impaired until all Open Water oxygen criteria are assessed. As the impairment is related to the EPA's 1998 303(d) Overlisting, the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04. EPA approved Chesapeake Bay TMDL 12/29/2010.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G15E_JMS01C06	James River - Anderson Park Beach Area	0.0113 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - BNUT - JMSPH-BNUT-BAY (2010)

Aquatic Life Use is not supporting for the James Polyhaline (JMSPH) Chesapeake Bay Program segment based on summer Chlorophyll-a impairments. Rest-of-year chlorophyll-a data are supporting. Benthics are fully supporting. Summer and rest-of-year 30-day mean dissolved oxygen data are supporting. Submerged aquatic vegetation is supporting based on acreage.

The previous Aquatic Life Use is retained as impaired based on EPA action in 1998 to overlist these waters to the 303d listing. Surrogate impairment holder for previous impairment retained due to EPA action. JMSPH meets 30D assessed Bay oxygen criteria, must remain listed as impaired until all Open Water oxygen criteria are assessed. As the impairment is related to the EPA's 1998 303(d) Overlisting, the impairment was attributed to excessive nutrients, the TMDL is due in 2010. 1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

The Aquatic Life Use - Summer & ROY is evaluated as meeting the 30 day dissolved oxygen CBP criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-G15E_JMS05A06	James River - Newport News Point to NW Corner Craney Isl.	3.6108 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage and summer and rest-of-year Chlorophyll-a impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04. Previous Use ID = VAT-G10E-04.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAT-G15E_SRE01A06	Streeter Creek	0.0297 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - JMSMH-DO-BAY (2006)

Aquatic Life Use is not supporting for the James Mesohaline (JMSMH) Chesapeake Bay Program segment based on Aquatic Vegetation acreage impairments. Benthics (B-IBI) and summer and rest-of-year 30-day mean dissolved oxygen data are supporting.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAV-I02R_LTB01A00	Little Back Creek	15 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Temperature - I02R-03-TEMP (2012)

Little Back Creek was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. During the 2006 assessment period 2 violations of 11 samples (18.18%) at station 2-LTB000.01 violated the State's Natural Trout temperature standard. Data assessed during the 2016 assessment period showed 1 violation of 12 samples (8.33%) of the State's Natural Trout temperature standard at station 2-LTB000.01. Based on this improvement in water quality below a 10.5% violation rate, Little Back Creek should be removed from the 303(d) list.

VAV-I05R_CRE01A00	Cedar Creek Lower	1.61 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Temperature - I05R-01-TEMP (2006)

Cedar Creek was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. During the 2006 assessment period 3 violations of 25 samples (12%) at station 2-CRE002.37 violated the State's Natural Trout temperature standard. Data assessed during the 2016 assessment period showed 1 violation of 12 samples (8.33%) of the State's Natural Trout temperature standard at station 2-CRE002.37. Based on this improvement in water quality below a 10.5% violation rate, Cedar Creek should be removed from the 303(d) list.
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VAV-I05R_CRE01A06	Cedar Creek	1.83 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Temperature - I05R-01-TEMP (2006)

Cedar Creek was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2006 assessment period. During the 2006 assessment period 3 violations of 25 samples (12%) at station 2-CRE002.37 violated the State's Natural Trout temperature standard. Data assessed during the 2016 assessment period showed 1 violation of 12 samples (8.33%) of the State's Natural Trout temperature standard at station 2-CRE002.37. Based on this improvement in water quality below a 10.5% violation rate, Cedar Creek should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

James River Basin

VAV-I14R_PNR01A02	Panther Run	2.16 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Benthic Macroinvertebrates - I14R-03-BEN (2004)

Panther Run was originally listed on the 303(d) list for violating the State's water quality General Standard for benthic macroinvertebrates during the 2004 assessment period. This was based on an impaired benthic status (USFS MAIS < 13) at station USFS 6018. Data during the 2016 assessment cycle show that station USFS 6018 has improved and the last two monitoring events scored at 68.3 and 70.4 on the Virginia Stream Condition Index. Based on this improvement in the benthic macroinvertebrate community above the fully supporting VSCI score of 60, the benthic impairment on Panther Run should be removed from the 303(d) list.

VAV-I30R_MIT01A02	Mill Creek	2.08 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - I30R-02-BAC (2006)

Mill Creek was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform bacteria during the 2006 assessment period. During the 2006 assessment period 2 of 12 samples (16.66%) at station 2-MIT000.04 violated the State's water quality standard for fecal coliform bacteria. Data assessed during the 2016 assessment period show 0 violations of 11 samples (0.00%) for e-coli bacteria at station 2-MIT000.04. Based on this improvement in water quality below a 10.5% violation rate, Mill Creek should be removed from the 303(d) list.

VAV-I33R_MRY02A04	Maury River	6.22 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - I33R-02-BAC (2014)

Maury River was listed on the 303(d) list for violating the State's water quality standard for e-coli bacteria during the 2014 assessment period. During the 2014 assessment period 4 of 35 samples (11.43%) at station 2-MRY038.29 violated the State's water quality standard for e-coli bacteria. Data assessed during the 2016 assessment period show 3 violations of 34 samples (8.82%) for e-coli bacteria at station 2-MRY038.29. Based on this improvement in water quality below a 10.5% violation rate, Maury River should be removed from the 303(d) list.

VAV-I36R_ISH01A00	Irish Creek	8.53 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Temperature - I36R-04-TEMP (2010)

Irish Creek was listed on the 303(d) list for violating the State's water quality standard for temperature during the 2010 assessment period. During the 2010 assessment period 2 violations of 11 samples (18.18%) at station 2-ISH000.02 violated the State's Stockable Trout temperature standard. Data assessed during the 2016 assessment period showed 0 violations of 12 samples (0.00%) of the State's Stockable Trout temperature standard at station 2-ISH000.02. Based on this improvement in water quality below a 10.5% violation rate, Irish Creek should be removed from the 303(d) list.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

James River Basin

VAW-I10R_POT02A02	Potts Creek	3.98 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016 - pH - VAW-I10R-01/01691/I10R-01-PH (2004)
The waters are delisted based on data collections at station 2-POT030.66 (Above Rt. 18 Bridge near Campsite). Station 2-POT030.66 2016 IR pH data produce results with no excursions of the pH range of 6.0-9.0 from 12 observations. The 2016 IR reports an exceedance rate of pH at less than 10.5% indicating full support of the Aquatic Life Use.

DELIST 2016 - Bacteria (escherichia coli) - I10R-01-BAC / VAW-I10R-01 / 50262 (2006)
The waters are delisted based on data collections at station 2-POT030.66 (Above Rt. 18 Bridge near Campsite). Station 2-POT030.66 2016 IR escherichia coli (E.coli) data produce results with no excursions of the WQS 235 cfu/100 mL instantaneous criterion from 12 observations. The 2016 IR reports an exceedance rate of E.coli at less than 10.5% indicating full support of the Recreational Use.

VAW-I10R_POT03A02	Potts Creek	5.66 Miles	Aquatic Life	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - pH - VAW-I10R-01/01691/I10R-01-PH (2004)
The waters are delisted based on data collections at station 2-POT030.66 (Above Rt. 18 Bridge near Campsite). Station 2-POT030.66 2016 IR pH data produce results with no excursions of the pH range of 6.0-9.0 from 12 observations. The 2016 IR reports an exceedance rate of pH at less than 10.5% indicating full support of the Aquatic Life Use.

PARTIAL DELIST 2016 - Bacteria (escherichia coli) - I10R-01-BAC / VAW-I10R-01 / 50262 (2006)
The waters are delisted based on data collections at station 2-POT030.66 (Above Rt. 18 Bridge near Campsite). Station 2-POT030.66 2016 IR escherichia coli (E.coli) data produce results with no excursions of the WQS 235 cfu/100 mL instantaneous criterion from 12 observations. The 2016 IR reports an exceedance rate of E.coli at less than 10.5% indicating full support of the Recreational Use.

VAW-I20R_MEO01A00	Meadow Creek	2.59 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016 - Temperature - I20R-01-TEMP (2006)
The waters are delisted based on data collections at station 2-MEO000.38 (Rt. 311 Bridge). Station 2-MEO000.38 2016 IR temperature data produce results with no excursions of the Class VI Water Quality Standard (20°C) out of 12 samples. The 2016 IR reports an exceedance rate of temperature at less than 10.5% indicating full support of the Aquatic Life Use.

VAW-I26R_ELS01A02	Ellis Run	1.69 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - VAW-I26R-01 / I26R-03-TEMP (2006)
The waters are delisted based on data collections at station 2-ELS000.08 (Rt. 643 Bridge) where only one excursion of the Water Quality Standards Class V 21°C criterion is observed from 12 measurements. The single exceedance is 20.1°C for an exceedance rate of 8.3%.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAN-E05R_THO03B16	Thornton River	3.12 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016 - Benthic Macroinvertebrates - E05R-01-BEN, VAN-E05R-02 (CFL 2014)

In previous assessments, this 3.12 mile stretch of river was included with the downstream segment (VAN-E05R_THO03A02), which was assessed as not supporting the aquatic life use because biological monitoring in 2008 (fall) at station 3-THO022.27 resulted in a VSCI score indicating an impaired macroinvertebrate community. Subsequent biological monitoring in 2013 and 2014 at stations 3-THO022.27, 3-THO024.12, and 3-THO025.39 indicated that this upstream segment should be split from the downstream impaired segment. Four biological monitoring events in 2013 (spring and fall) and 2014 (spring and fall) at station 3-THO024.12 and four biological monitoring events in 2013 (spring and fall) and 2014 (spring and fall) at station 3-THO025.39 indicated a healthy aquatic community and support of the aquatic life use for this upstream segment that was previously included in assessment unit VAN-E05R_THO03A02. It has been determined that this segment should be delisted for benthic macroinvertebrates based upon recent VSCI scores indicating a healthy benthic macroinvertebrate community.

VAN-E10R_SMR01A04	Sumerduck Run	3.77 Miles	Recreation	

Delisting Summary:

DELIST 2016 - E. coli - E10R-02-BAC, VAN-E10R-02 (CFL 2008)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (2 of 11 samples - 18.2%) recorded at DEQ's ambient water quality monitoring station 3-SMR002.60 at the Route 615 bridge. Additional bacteria monitoring at this location found that 2 of 19 samples (10.5%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-E14R_ROB01A06	Robinson River	3.75 Miles	Recreation	

Delisting Summary:

DELIST 2012 - E. coli - E14R-01-BAC, 60091 (CFL 2006)

During the 2010 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (4 of 37 samples - 10.8%) recorded at DEQ's ambient water quality monitoring station 3-ROB017.24 at the Route 638 bridge. Additional bacteria monitoring has been conducted and found that a total of 2 of 28 samples (7.1%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-E18R_RAP03A02	Rapidan River	2.58 Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - E18R-01-BAC (CFL 2002)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (5 of 32 samples - 15.6%) recorded at DEQ's ambient water quality monitoring station 3-RAP006.53 at the Route 610 bridge. Additional bacteria monitoring at this location found that 3 of 33 samples (9.1%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-E20E_RPP01A02	Rappahannock River	0.1884 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAN-E20E_RPP02A02	Rappahannock River	0.2313 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E20E_RPP03A02	Rappahannock River	0.2117 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E20R_MAP02A02	Massaponax Creek	1.2 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - E20R-03-BAC, VAN-E20R-03 (CFL 2004)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (5 of 20 samples - 25.0%) recorded at DEQ's ambient water quality monitoring station 3-MAP002.61 at the Route 609 bridge. Additional bacteria monitoring at this location found that 2 of 22 samples (9.1%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-E21E_MIC01A06	Mill Creek	0.2025 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E21E_RPP01A02	Rappahannock River	4.5468 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E21E_RPP03A02	Rappahannock River	1.366 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAN-E21E_RPP04A02	Rappahannock River	1.2055 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E21E_RPP05A02	Rappahannock River	0.5794 Square Miles	Aquatic Life	Open-Water Aquatic Life	Recreation

Delisting Summary:

PARTIAL DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

PARTIAL DELIST 2016 - E. coli - E20E-01-BAC, CB-RPPTF (CFL 2002)

During the 2014 cycle, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (10 of 68 samples - 14.7%) recorded at DEQ's ambient water quality monitoring station 3-RPP098.81 at the location of former Buoy 112 (near Hayfield Bar). Additional bacteria monitoring at this location found that 6 of 65 samples (9.2%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-E21E_RPP48A02	Rappahannock River-Muddy Creek	0.0057 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E21E_RPP49A02	Rappahannock River-Mount Creek	0.1474 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E21E_RPP51A02	Rappahannock River-Goldenvale Creek	0.1921 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAN-E21E_RPP52A02	Rappahannock River-Portobago Creek	0.0791 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAN-E22E_ZZZ01A08	Unnamed Rappahannock River Embayments	0.0726 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016: DO - RPPTF-DO-BAY (CFL 2014)

The open water assessment of dissolved oxygen values for the RPPTF is fully supporting. The segment is considered fully supporting of the aquatic life use.

VAP-E22E_ELM01A10	Elmwood Creek	0.0467 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - RPPTF-DO-BAY / Federal IDs 40887, 40888, and 40889 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

During the 2014 cycle, the tidal freshwater Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPTF met both Open Water 30-day mean criteria during the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPTF is considered Category 2C.

VAP-E22E_OCC01A08	Occupacia Creek	0.6683 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E22E_PEE01A14	Peedee Creek	0.1501 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

VAP-E22E_RPP01A02	Rappahannock River	5.1333 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPTF-DO-BAY / Federal IDs 40887, 40888, and 40889 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

During the 2014 cycle, the tidal freshwater Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPTF met both Open Water 30-day mean criteria during the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPTF is considered Category 2C.

VAP-E22E_RPP02A02	Rappahannock River	1.3442 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

VAP-E22E_RPP02B16	Rappahannock River	2.003 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E22E_RPP03A02	Rappahannock River	2.0124 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

VAP-E22E_RPP04A02	Rappahannock River	0.9422 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

VAP-E22E_RPP05A02	Rappahannock River	6.958 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E22E_ZZZ01A00	Unsegmented estuaries in E22	0.1641 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - RPPTF-DO-BAY / Federal IDs 40887, 40888, and 40889 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

During the 2014 cycle, the tidal freshwater Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPTF met both Open Water 30-day mean criteria during the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPTF is considered Category 2C.

VAP-E22E_ZZZ01A06	Unsegmented estuaries in E22	0.4898 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - RPPOH-DO-BAY / Federal IDs 40872, 40873, and 40874 (CFL 2014)

During the 2014 cycle, the oligohaline Rappahannock estuary failed the Open Water Subuse 30-day mean summer dissolved oxygen criterion. The Open Water rest-of-year criterion was met and there was insufficient data to assess the other dissolved oxygen criteria.

RPPOH met both Open Water Subuse 30-day mean criteria in the 2016 cycle and will be delisted. The Chesapeake Bay TMDL was approved by the EPA on 12/19/2010; therefore, RPPOH is considered Category 2C.

VAP-E22E_ZZZ02A06	Unsegmented estuaries in E22	0.0354 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E22R_OCC01B06	Occupacia Creek and tributaries	74.69 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - E22R-03-DO / 10111 / VAP-E22R-03 (CFL 2006)

The tributaries to Occupacia Creek were first listed for dissolved oxygen in the 2006 cycle. The segment had the following exceedances in the 2008 cycle:
DO 2/18 at 3-BLK002.54
DO 5/18 at 3-BLK006.96
DO 2/18 at 3-XGJ002.23
DO 2/18 at 3-XGJ004.46

The WQS were revised during the 2010 cycle and the Occupacia Creek watershed above its tidal limit was reclassified as Class VII waters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-E23E_CAT01A02	Cat Point Creek	1.2804 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_CRC01A08	Church Swamp	0.0017 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E23E_HOK01A98	Hoskins Creek	0.0841 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_HOK02A08	Hoskins Creek	0.052 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_HOK02A10	Hoskins Creek	0.0155 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E23E_LIE01A98	Little Carter Creek, Jugs Creek	0.4194 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_MTL01A10	Mount Landing Creek	0.1722 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E23E_PIS02A00	Piscataway Creek	0.5886 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - pH - E23E-04-PH / 01039 / VAP-E23E-04 (CFL 2002)

The tidal Piscataway Creek was assessed not supporting of the Aquatic Life Use in 2002 based on a pH violation rate of 2/19 at the Route 17 bridge (3-PIS004.79).

The pH TMDL was due in 2014, however a Natural Conditions Assessment was performed on the Piscataway Creek watershed during the 2006 cycle. The report recommends that the creek and its tributaries be reclassified as Class VII swampwaters. The segment was considered Category 4C for pH.

Additional monitoring was conducted during the 2016 cycle. The exceedance rate was acceptable (0/12); therefore, Piscataway Creek will be delisted.

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_RPP02A98	Rappahannock River	6.6948 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E23E_RPP02B10	Rappahannock River	0.1584 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_RPP02C12	Rappahannock River	1.8143 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E23E_ZZZ02A06	Unsegmented estuaries in E23	0.0455 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_ZZZ02B10	Unsegmented estuaries in E23	0.0071 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E23E_ZZZ02C12	Unsegmented estuaries in E23	0.0039 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Rappahannock River Basin

VAP-E23R_BLA01A06	Black Swamp	4.18 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - E23R-14-DO / 10105 / VAP-E23R-14 (CFL 2006)

During the 2006 cycle, Black Swamp was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen exceedance rate of 6/15 at 3-BLA002.31, which is located at the Route 644 bridge. The DO exceedance rate was 2/12 at 3-BLA002.31 during the 2014 cycle.

The nontidal Cat Point Creek watershed has been reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

VAP-E23R_MTL01A98	Mount Landing Creek	1.15 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - E23R-02-DO (CFL 2002)

Mount Landing Creek from the Route 716 bridge to the tidal limit at river mile 1.00 was assessed as not supporting of the Aquatic Life use support goal in 1998 based on pH exceedances recorded at monitoring station 3-MTL004.82, located at the Route 716 bridge.

The segment location was changed during the year 2002 cycle because it was determined that the tidal limit is actually located at approximately river mile 4.44 and that the swamp conditions that may cause the impairment extend upstream of the bridge. In addition, the segment was also listed as impaired for dissolved oxygen.

During the 2006 cycle, the "Natural Conditions Assessment for low pH, Mount Landing Creek, Essex, Virginia" recommended that Mount Landing Creek and its tributaries from its headwaters downstream to the head of tide at rivermile 4.44 be reclassified as Class VII swampwater.

The WQS were revised and Mount Landing Creek and its tributaries were reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-E23R_NSS01A12	Nanny Sanford Swamp	3.58 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - E23R-01-DO (CFL 2012)

In the 2012 cycle, Nanny Sanford Swamp was impaired of the Aquatic Life Use due to a dissolved oxygen exceedance rate of 2/12 at 2-NSS000.77, which is located at the Route 622 bridge.

The nontidal Cat Point Creek watershed has been reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Rappahannock River Basin

VAP-E23R_TBS01A06	The Big Swamp	6.74 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - E23R-15-DO / 10106 / VAP-E23R-15 (CFL 2006)

During the 2006 cycle, The Big Swamp had a dissolved oxygen violation rate of 2/15 at 3-TBS003.39; therefore, the segment was impaired for dissolved oxygen. During the 2014 cycle, the exceedance rate was 4/12 at 3-TBS003.39 and 0/12 (FS) at 3-TBS001.08.

The nontidal Cat Point Creek watershed has been reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed in the 2016 cycle.

VAP-E23R_XFM01A04	UT to Piscataway Creek	3.58 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - E23R-11-DO / 10102 / VAP-E23R-11 (CFL 2006)

During the 2006 cycle, UT XFM was assessed as impaired of the Aquatic Life Use based on a dissolved oxygen exceedance rate of 2/18 at 3-XFM000.82.

During the 2010 cycle, the Piscataway Creek watershed upstream of Sturgeon Swamp was reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen (DO) standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-E23R_XFN01A04	UT to Piscataway Creek	3.61 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - E23R-10-DO / 10101 / VAP-E23R-10 (CFL 2006)

During the 2006 cycle, UT XFN was assessed as impaired of the Aquatic Life Use based on a dissolved oxygen violation rate of 2/15 at 3-XFN000.01.

During the 2010 cycle, the Piscataway Creek watershed upstream of Sturgeon Swamp was reclassified as Class VII swampwaters. Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen (DO) standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E24E_LIK01A12	Little Totuskey Creek	0.0553 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E24E_RIC01A04	Richardson Creek	0.1735 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E24E_RIC01B10	Richardson Creek	0.1476 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E24E_RIC01C10	Richardson Creek	0.0239 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E24E_RPP01B14	Garrett's Marina	0.0026 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform - E24E-03-SF / Federal ID 39049 (CFL 2014)

Portion of VDH shellfish condemnation 026-181M1, 4/4/2014 - seasonally condemned

Garrett's Marina was impaired of the Shellfish Consumption Use in the 1998 cycle (E24E-03-SF). During the 2008 cycle, the condemnation expanded and incorporated previous condemnation M271, which had been seasonally condemned (observed effects). VDH condemnation 026-181A, 1/20/2006 was rescinded during the 2012 cycle; the area was seasonally condemned and was delisted.

However, a portion of the area was relisted in the 2014 cycle (026-18B, 4/3/2012). The entire area reverted to seasonally condemned again in the 2016 cycle and will be delisted.

Garrett's Marina was included in the Upper Rappahannock Watershed Shellfish TMDL, which was approved by the EPA on 8/10/2010; therefore, this portion is considered Category 2C/2B.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E24E_RPP01C06	Rappahannock River	0.7049 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0613 mi2 - E24E-01-SF / Federal ID 39392 (CFL 2014)

Previous shellfish condemnations have included Totuskey and Richardson Creeks (separately or combined). The streams have been impaired since the 1998 cycle. However, in 2006 the segments, were recombined under 025-071A, 12/22/2004 and extended into the Rappahannock mainstem. The condemnation was further extended in the 2008 cycle per condemnation 024-071A, 10/4/2005.

The Totuskey and Richardson Creeks Bacterial TMDL was approved by the EPA on 2/19/2010. The TMDL was based on the maximum extent of the condemnation, which occurred in condemnation 025-071A, 3/16/2007.

The condemnation was shortened and split in the 2012 cycle and the Rappahannock River was open for harvest; and a portion was partially delisted. It was relisted in the 2014 cycle (VDH-DSS condemnation 4/2/11).. VDH-DSS condemnation 025-071, 3/19/2014 shrank in the 2016 cycle and a portion was delisted again.

The open portion is considered Category 2C.

VAP-E24E_TOT01A00	Totuskey Creek	0.3022 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate

VAP-E24E_TOT02A00	Totuskey Creek	0.6472 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E24E_TOT02B10	Totuskey Creek	0.0636 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_DEE01A04	Deep Creek	0.0491 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_DEE01B08	Deep Creek	0.0737 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_FAM01A98	Farnham Creek	0.3601 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_FAM01B10	Farnham Creek	0.0673 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_GEE01A98	Greenvale Creek	0.0871 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_GEE02A06	Greenvale Creek	0.012 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_GEE02B10	Greenvale Creek/Belmont Creek	0.0375 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_HRY01A06	Harry George Creek	0.0952 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E25E_LAN01A98	Lancaster Creek	0.27 Square Miles	Aquatic Life	Open-Water Aquatic Life	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Enterococci - E25E-11-BAC / 01060 / VAP-E25E-11 (CFL 2004)

In 2004, the segment was assessed as not supporting the Recreation Use due to a fecal coliform violation rate of 2/18 at 3-LAN002.81, located at the end of Route 1105.

During the 2008 cycle, the segment was adjusted to be coincident with the 1995 condemnation. Enterococci monitoring occurred during the 2010 cycle and the impairment converted to enterococci due to a violation rate of 3/12.

As this area was included in the TMDL Report for Shellfish Areas Listed due to Bacterial Contamination for Lancaster Creek, which was approved by the EPA on 8/2/2006 and by the SWCB on 6/27/2007, the enterococci impairment was considered nested. The segment was considered Category 4A for the Recreation Use.

The enterococci exceedance rate was acceptable during the 2016 cycle (1/12); therefore, the impairment will be delisted.

VAP-E25E_LAN01B08	Lancaster Creek	0.1958 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_LAN02A02	Lancaster Creek	1.3243 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_LAN03A06	Lancaster Creek	0.023 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_LGG01A98	Lagrange Creek	0.5903 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_LGG02A06	Lagrange Creek	0.0481 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_MTT01A00	Morattico Creek	0.1378 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_MUB01A02	Mulberry Creek	0.136 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E25E_MUB01B16	Mulberry Creek	0.012 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform 0.0120 mi2 - E25E-13-SF / 01063 / VAP-E25E-13 / Federal ID 25364 (CFL 1998)

Portion of VDH shellfish condemnation 023-121A, 12/31/2014

A portion of Mulberry Creek was included on the 1998 303(d) list due to VDH Shellfish condemnation 120B, 8/14/1995. The TMDL for Shellfish Areas Listed due to Bacterial Contamination for Mulberry Creek was approved by the EPA on 8/2/2006 and by the SWCB on 6/27/2007.

The TMDL only addressed the fecal coliform impairment within the 1998 portion of Mulberry Creek. The segment has shrunk and extended several times. During the 2014 cycle, the condemnation expanded again and was larger than the TMDL area; the expansion was addressed in fact sheet E25E-03-SF. It shrank again during the 2016 cycle and the condemnation is smaller than the original impairment. The closed area remains Category 4C and the opened area will be partially delisted (Category 2C).

VAP-E25E_MUB02A06	Mulberry Creek	0.0502 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E25E_MUB02B14	Mulberry Creek	0.0414 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform - E25E-03-SF (CFL 2014)

A portion of Mulberry Creek was included on the 1998 303(d) list due to VDH Shellfish condemnation 120B, 8/14/1995. The TMDL only addressed the fecal coliform impairment within the 1998 portion of Mulberry Creek.

During the 2014 cycle, the condemnation expanded and was larger than the TMDL area (023-121A, 8/8/2012). The expansion was nested within the upstream TMDL for Shellfish Areas Listed due to Bacterial Contamination for Mulberry Creek, which was approved by the EPA on 8/2/2006 and by the SWCB on 6/27/2007.

It shrank again during the 2016 cycle and the condemnation is smaller than the original impairment. The expansion will be delisted.

VAP-E25E_MUB03A08	Mulberry Creek	0.0083 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform - E25E-25-SF (CFL 2008)

The UT to Mulberry Creek was previously impaired of the Shellfish Use due to VDH Shellfish Condemnation 023-121B, 8/8/2012.

It was considered nested within the TMDL for Shellfish Areas Listed due to Bacterial Contamination for Mulberry Creek, which was approved by the EPA on 8/2/2006 and by the SWCB on 6/27/2007.

The condemnation was rescinded during the 2016 cycle (023-121, 12/31/2014); therefore, the impairment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_MUC01A04	Mud Creek	0.204 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / E25R-01- / VAP-E25R-01 / 10076 / Federal IDs 40881, 40883, and 40885 (CFL 2004)

During the 2004 cycle, tidal Mud Creek was assessed not supporting of the Aquatic Life Use support goals based on a dissolved oxygen violation rate of 2/2 at 3-MUC002.31.

During the 2006 cycle, it was thought that the station's classification as tidal during the 2004 cycle was a mistake. The impairments were transferred to nontidal Mud Creek.

However, during the 2012 cycle, it was determined that the station is actually tidally influenced. The dissolved oxygen impairment was transferred to RPPMH-DO-BAY.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_PAY01A02	Paynes Creek	0.049 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_PRR01A02	Parrotts Creek	0.1531 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_PRR02A08	Parrotts Creek	0.0311 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_ROS01A00	Robinson Creek	0.1646 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored			

Rappahannock River Basin

VAP-E25E_ROS01B16	Robinson Creek	0.042 Square Miles	Aquatic Life	Open-Water Aquatic Life	Recreation	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform 0.1646 mi2 - E25E-02-BAC / E25E-02 (CFL 2002)

In 2002, the segment was assessed as not supporting the Recreation Use due to fecal coliform exceedances at the end of Route 680 (3-ROS001.35). The violation rate in the 2004 cycle was 4/20. There has been no additional monitoring since 2001.

The area was addressed in the "Rappahannock River: Lagrange and Robinson Creeks TMDL Report for Shellfish Condemnation Areas Listed due to Bacteria Contamination" which was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006. Because the bacteria standard for the Shellfish Use is more stringent than the standard for the Recreation Use, the area was considered nested.

The shellfish condemnation shrank during the 2016 cycle (028-177, 1/24/2014) and a portion will be partially delisted for the Recreation Use to match the shellfish impairment (Category 2A.)

PARTIAL DELIST 2016 - Fecal Coliform 0.0420 mi2 - E25E-02-SF / 00197 / VAP-E25E-02 / Federal ID 25367 (CFL 1998)

The upstream portion of Robinson Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 177, 5/28/1997. The TMDL was approved by the EPA on 11/15/2005 and by the SWCB on 9/27/2006. The segment is classified as Category 4A. The condemnation shrank during the 2016 cycle (028-177, 1/24/2014) and a portion will be partially delisted (Category 2C.)

VAP-E25E_ROS02A04	Robinson Creek	0.0394 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E25E_ROS02B12	Robinson Creek	0.0067 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_ROS02C16	Robinson Creek	0.0132 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

PARTIAL DELIST 2016 - Fecal Coliform 0.0394 mi2 - E25E-22-SF / 10082 / VAP-E25E-22 (CFL 2006)

Described in VDH Shellfish Condemnation 028-177M2, 1/24/2014 - seasonally condemned

The upstream portion of Robinson Creek was assessed in 1998 as not supporting the Shellfish Consumption Use based on VDH-DSS Condemnation 177, 5/28/1997. The TMDL for this original portion has been completed. During the 2006 cycle, however, the condemnation extended downstream. It is considered nested in the upstream Robinson Creek Shellfish TMDL, which was approved by the EPA on 11/15/2005. During the 2016 cycle, a tributary (028-177D, 1/30/2012) was converted to seasonally condemned (028-177M2, 1/24/2014. Therefore, it will be partially delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_RPP01C98	Mark Haven Beach Basin	0.0038 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_TWN01A12	Town Bridge Swamp	0.0017 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_URB01A00	Urbanna Creek	0.2149 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_URB02A00	Urbanna Creek	0.2375 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_WEE01A00	Weeks Creek	0.1226 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_WEE02A04	Weeks Creek	0.0344 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E25E_XDV01A02	Beach Creek	0.0834 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_ZZZ01A14	Unsegmented estuaries in E25	0.077 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E25E_ZZZ01C14	Unsegmented estuaries in E25	0.2666 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Rappahannock River Basin

VAP-E25E_ZZZ01D14	Unsegmented estuaries in E25	0.277 Square Miles	Aquatic Life	Deep-Water Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_BPC01A98	Bush Park Creek	0.1027 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_BRD01A00	Broad Creek	0.0838 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_BRD02A00	Broad Creek	0.0404 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_BRD04A00	Broad Creek	0.0366 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CEB01A00	Eastern Branch Carter Creek	0.0838 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_CEB01B08	Eastern Branch Carter Creek	0.031 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CEB03C16	Eastern Branch Carter Creek	0.0117 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CTR01A00	Carter Creek	0.2039 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_CTR02A00	Carter Creek	0.0575 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CTR03A00	Carter Creek	0.1142 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CTR03B16	Carter Creek	0.3876 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_CTR04A02	Carter Cove	0.0388 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_CTR04B14	Carter Cove	0.0171 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_EWE01B16	Ewells Prong	0.0018 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0018 mi2 - E26E-06-SF / 01080 / VAP-E26E-06 / Federal ID 35562 (CFL 1998)

Ewells Prong was included on the 1998 303(d) list due to VDH condemnation 87A, 4/28/1997. The condemnation subsequently expanded (see 2014 fact sheet E26E-50-SF). The TMDL for the original portion was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Condemnation 021-187B was considerably smaller in the 2016 cycle (10/28/2014) and is now smaller than the TMDL study area. The condemned area is considered Category 4A; the open area will be partially delisted (Category 2C).

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_EWE02A08	Ewells Prong	0.0122 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-50-SF (CFL 2008)

The upstream portion of Ewells Prong was included on the 1998 303(d) list due to VDH condemnation 87A, 4/28/1997. The condemnation has since expanded. The TMDL was completed for the original portion.

In the 2014 cycle, the expansion was included as a portion of VDH Shellfish Condemnation 021-187B, 10/17/2012. It was considered nested in the upstream Ewells Prong Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

Condemnation 021-187B was considerably smaller in the 2016 cycle (10/28/2014) and is now smaller than the TMDL study area. The expansion will be delisted.

VAP-E26E_HNU01A08	Hunting Creek	0.0204 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_LOL01A02	Locklies Creek	0.0728 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_LOL01B12	Locklies Creek	0.0277 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_LOL02A06	Locklies Creek	0.0541 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_LOL03A08	Roane Cove of Locklies Creek	0.0341 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_MEA01A00	Meachim Creek	0.0751 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MEA01B00	Meachim Creek	0.0265 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MEA01C06	Meachim Creek	0.0344 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_MEA02A00	Meachim Creek	0.136 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MEA03A10	Meachim Creek	0.0544 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MEA03B12	Meachim Creek	0.0054 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_MIP01A00	Millenbeck Prong	0.0372 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-32-SF / 01083 / VAP-E26E-32 / Federal ID 35549 (CFL 1998)

Millenbeck Prong was included on the 1998 303(d) list due to VDH condemnation 187B, 4/28/1997. The TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

The condemnation was shortened in the 2010 cycle. The impaired area was considered Category 4A, and the reopened area was partially delisted (Category 2C).

In the 2014 cycle, the condemned area was VDH shellfish condemnation 021-187C, 10/17/2012.

However, during the 2016 cycle, Millenbeck Prong was entirely re-opened to shellfish harvest (021-187, 10/28/2014); therefore, it will be delisted (Category 2C).

VAP-E26E_MLL01A98	Mill Creek	0.1111 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MLL01B12	Mill Creek	0.0126 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_MLL02A06	Mill Creek	0.3584 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MOR01B12	Moran Creek	0.0099 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-19-SF (CFL 2014)

In the 2014 cycle, the tributary was impaired due to VDH Shellfish Condemnation 021-198F, 10/17/2012. It was nested within the nearby Taylor Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

The condemnation was rescinded in the 2016 cycle (021-198, 10/28/2014); therefore the impairment will be delisted.

VAP-E26E_MOS01A00	Mosquito Creek	0.023 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_MOS01B12	Mosquito Creek	0.0462 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_MYE01A16	Myer Creek	0.0264 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0264 mi2 - E26E-05-SF / 01086 / VAP-E26E-05 / Federal ID 34116 (CFL 1998)

A portion of Myer Creek was included on the 1998 303(d) list due to VDH-DSS Condemnation 198, 4/28/1997. The TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

In the 2014 cycle, the area was incorporated within 021-198B, 10/17/2012.

However, during the 2016 cycle, the condemnation shrank considerably and split (021-198B and -F, 10/28/2014.). The condemned areas remain Category 4A; the open areas will be partially delisted (Category 2C).

VAP-E26E_MYE01B02	Myer Creek, UT	0.042 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-31-SF / 01087 / VAP-E26E-31 (CFL 2002)

In the 2014 cycle, the tributary was impaired of the Shellfish Consumption Use due to VDH shellfish condemnation 021-198A, 10/17/2012. It was considered nested within the Myer Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008, and was considered Category 4A.

The condemnation was rescinded during the 2016 cycle (021-198, 10/28/2014); therefore, the area will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Rappahannock River Basin

VAP-E26E_MYE01C04	Myer Creek	0.077 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-36-SF / 01088 / VAP-E26E-36 (CFL 2004)

A portion of Myer Creek was included on the 1998 303(d) list due to VDH-DSS Condemnation 198, 4/28/1997. The TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008 (see E26E-05-SF).

A cove of Myer Creek was closed in the 2004 cycle. During the 2012 cycle, it was included in 021-198C, 11/8/2010 (TMDL due in 2014.)

In the 2012 cycle, VDH shellfish condemnation 021-198B, 11/8/2010 grew slightly. The TMDL for the small portion that now extended past the TMDL study area is due in 2024. It was previously addressed in 2012 fact sheet E26E-18-SF.

During the 2014 cycle, condemnation B grew substantially and now incorporated the rest of the 2012 expansion, the cove, and a previously seasonally condemned portion (Portion of VDH Shellfish Condemnation 021-198B, 10/17/2012). The impairments were combined. The area was considered nested within the upstream Myer Creek TMDL; it was considered Category 4A.

During the 2016 cycle, the Myer Creek shellfish condemnation shrank considerably and split. The condemned areas are now smaller than the TMDL study area. This fact sheet addressed the area downstream of the TMDL study area - this is now open for harvest or seasonally condemned (021-198M1, 10/28/2014) and will be delisted.

VAP-E26E_MYE02C16	Myer Creek	0.017 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-26-SF / 01088 / VAP-E26E-36 (CFL 2004)

A portion of Myer Creek was included on the 1998 303(d) list due to VDH-DSS Condemnation 198, 4/28/1997. The TMDL was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008 (see E26E-05-SF).

A cove of Myer Creek was closed in the 2004 cycle. During the 2012 cycle, it was included in 021-198C, 11/8/2010 (TMDL due in 2014.)

In the 2012 cycle, VDH shellfish condemnation 021-198B, 11/8/2010 grew slightly. The TMDL for the small portion that now extended past the TMDL study area is due in 2024. It was previously addressed in 2012 fact sheet E26E-18-SF.

During the 2014 cycle, condemnation B grew substantially and now incorporated the rest of the 2012 expansion, the cove, and a previously seasonally condemned portion (Portion of VDH Shellfish Condemnation 021-198B, 10/17/2012). The impairments were combined. The area was considered nested within the upstream Myer Creek TMDL; it was considered Category 4A.

During the 2016 cycle, the Myer Creek shellfish condemnation shrank considerably and split. The condemned areas are now smaller than the TMDL study area. This fact sheet addressed the area downstream of the TMDL study area - this is now open for harvest or seasonally condemned (021-198M1, 10/28/2014) and will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_RPP02A00	Rappahannock River	0.1269 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_RPP03A00	Rappahannock River	0.0311 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The mainstem of the Rappahannock River from Myrtle Swamp to its mouth was originally listed in 1998 by DEQ due to dissolved oxygen exceedances and nutrient overenrichment. The EPA extended the segment upstream to the confluence with Totuskey Creek. In the 2004 cycle, dissolved oxygen exceedances were noted in deep water and deep channel stations downstream of the confluence with Lancaster Creek (Morattico), which is further downstream.

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_STE01A98	Sturgeon Creek	0.0661 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_STE01B12	Sturgeon Creek	0.0017 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_STE01C12	Sturgeon Creek	0.0171 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_STE02A08	Sturgeon Creek	0.1923 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_TON01A00	Town Creek	0.0165 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - E26E-07-SF (CFL 2014)

During the 2014 cycle, Town Creek was impaired of the Shellfish Consumption Use due to VDH shellfish condemnation 021-187E, 10/17/2012. It was considered nested in the nearby Millenbeck Prong Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

The condemnation was rescinded in the 2016 cycle (021-187, 10/28/2014); therefore, it will be delisted.

VAP-E26E_WHS01B00	Whiting Creek	0.1945 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_WID01A12	Windmill Point Creek	0.0815 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_WOO01A08	Woods Creek	0.0371 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_XEV01A02	Windmill Point Yacht Harbor	0.0151 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Rappahannock River Basin

VAP-E26E_ZZZ01D14	Unsegmented estuaries in E26	0.0283 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26E_ZZZ01E14	Unsegmented estuaries in E26	0.6634 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - RPPMH-DO-BAY / 01776 / VAP-E22E-01 / Federal IDs 40881, 40883, and 40885 (CFL 2014)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle. During the 2014 cycle, the mesohaline portion of the Rappahannock failed the Chesapeake Bay Open Water Subuse's summer 30-day mean dissolved oxygen criterion. Applicable areas also failed the Deep Water 30-day mean dissolved oxygen criteria and the Deep Channel Subuse's instantaneous minimum dissolved oxygen criteria.

In the 2016 cycle, RPPMH passed both Open Water Subuse 30-day mean criteria as well as the Deep Water summer 30-day mean; these areas will be delisted. The Deep Channel Subuse continues to be impaired in applicable areas.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it is considered Category 4A/Category 2C as appropriate.

VAP-E26R_XEY01A06	UT to Western Branch Corrotoman River	3.27 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - E26R-02-DO (CFL 2008)

During the 2008 cycle, unnamed tributary XEY was considered impaired of the Aquatic Life Use based on a dissolved oxygen exceedance rate of 5/21 at the Route 604 bridge (3-XEY001.00).

Additional data was collected in the 2016 cycle. The dissolved oxygen exceedance rate was acceptable (0/13); therefore, the stream will be delisted.

DELIST 2016 - pH - E26R-02-PH / 10121 / VAP-E26R-02 (CFL 2006)

During the 2006 cycle, unnamed tributary XEY was considered impaired of the Aquatic Life Use based on pH exceedances at the Route 604 bridge (3-XEY001.00). During the 2008 cycle, the exceedance rate was 5/21.

Additional data was collected in the 2016 cycle. The pH exceedance rate was acceptable (0/13); therefore, the stream will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Rappahannock River Basin

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored
Roanoke and Yadkin River Basins			
VAC-L13R_CLA01A10	Clay Branch	4.02 Miles	Recreation
Delisting Summary:			
DELIST 2016 - E. coli - L13R-02-BAC/VAC-L13R-01 (2014) Station ID: 4ACLA000.88 (Ambient) E. coli - 1/12 Violation Rate			
VAC-L36R_CBA01A06	Catawba Creek	7.73 Miles	Recreation
Delisting Summary:			
DELIST 2016 - E. coli - L36R-02-BAC/VAC-L30R-01 (2006) Station ID: 4ACBA000.22 (Ambient) E. coli - 1/12 Violation Rate			
VAC-L37R_LUB01A06	Little Cub Creek	9.21 Miles	Recreation
Delisting Summary:			
DELIST 2016 - E. coli - VAC-L30R-01/L37R-04-BAC (2006) Station ID: 4ALUB000.12 (2006 Roanoke Bacteria TMDL) E. coli - 1/12 Violation Rate			
VAC-L73R_AAR02A10	Aarons Creek	9.4 Miles	Aquatic Life
Delisting Summary:			
PARTIAL DELIST 2016 - Dissolved Oxygen - VAC-L60R-01/L73R-01-DO (2010) Station ID: 4AAAR006.20 (Ambient) Dissolved Oxygen - 0/12 Violation Rate			

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Roanoke and Yadkin River Basins

VAC-L75L_ROA05L98	Kerr Reservoir	30665.42 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - VAC-L75R-01/L75L-01-DO (2004)
Station IDs:
2010/2012/2014 Kerr Reservoir Sampling
4AROA018.36
4AROA022.52
4AROA028.04
4AROA032.42
4AROA038.49
4AROA043.14
4ABHB004.40
4AGRA003.22

Pooled Data:
Dissolved Oxygen - 134/1437 Violation Rate
Chlorophyll a - 0/3 (3 Sample Yrs pooled data 90th Percentile)

VAC-L76L_BMA01A06	Buffalo Creek	358.96 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - VAC-L75R-01/L75L-01-DO (2004)
Station IDs:
2010/2012/2014 Kerr Reservoir Sampling
4AROA018.36
4AROA022.52
4AROA028.04
4AROA032.42
4AROA038.49
4AROA043.14
4ABHB004.40
4AGRA003.22

Pooled Data:
Dissolved Oxygen - 134/1437 Violation Rate
Chlorophyll a - 0/3 (3 Sample Yrs pooled data 90th Percentile)

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Roanoke and Yadkin River Basins

VAC-L77L_BST01A06	Bluestone Creek	860.21 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - VAC-L75R-01/L75L-01-DO (2004)
Station IDs:
2010/2012/2014 Kerr Reservoir Sampling
4AROA018.36
4AROA022.52
4AROA028.04
4AROA032.42
4AROA038.49
4AROA043.14
4ABHB004.40
4AGRA003.22

Pooled Data:
Dissolved Oxygen - 134/1437 Violation Rate
Chlorophyll a - 1/3 (3 Sample Yrs pooled data 90th Percentile)

VAC-L78R_ALN03A04	Allen Creek	8.97 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - L78R-03-DO/VAC-L78R-02 (2010)
Station ID: 4AALN009.12 (Ambient)
Dissolved Oxygen - 3/36 Violation Rate

VAC-L78R_CTT01A08	Cotton Creek	4.39 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - L78R-05-DO/VAC-L78R-02 (2014)
Station ID: 4ACTT000.70 (Ambient)
Dissolved Oxygen - 2/24 Violation Rate

VAC-L81R_POB01A00	Poplar Creek	3.45 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - L81R-01-DO/VAC-L81R-01 (2010)
Station ID:
4APOB006.35 (Ambient)
DO - 0/3 Violation Rate

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Roanoke and Yadkin River Basins

VAW-L06R_BAA01A00	Back Creek	5.68 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria (escherichia coli) - L06R-01-BAC / VAW-L06R-01 / 24538 (2008)
The waters are delisted based on data collections at station 4ABAA000.03 as a replacement station for 4ABAA002.61 (Rt. 660 Bridge - at Gage). The original 2004 303(d) listing station 4ABAA002.61 has since been discontinued due to data collection safety concerns. Station 4ABAA000.03 (Off Rt. 618, Rutrough Road) 2016 IR escherichia coli (E.coli) data produce results with no excursions of the WQS 235 cfu/100 mL instantaneous criterion from 12 observations. This is a 'nested' bacteria impairment within the watershed boundaries of the U.S. EPA approved (8/02/2006 [Fed ID 24538]) Roanoke River Bacteria TMDL with SWCB approval on 9/07/2006. The bacteria (E.coli) 303(d) Listing continued through the 2014 Cycle; a 'nested' Category 4A water.

VAW-L06R_BAA02A00	Back Creek	4.36 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria (escherichia coli) - L06R-01-BAC / VAW-L06R-01 / 24538 (2008)
The waters are delisted based on data collections at station 4ABAA000.03 as a replacement station for 4ABAA002.61 (Rt. 660 Bridge - at Gage). The original 2004 303(d) listing station 4ABAA002.61 has since been discontinued due to data collection safety concerns. Station 4ABAA000.03 (Off Rt. 618, Rutrough Road) 2016 IR escherichia coli (E.coli) data produce results with no excursions of the WQS 235 cfu/100 mL instantaneous criterion from 12 observations. This is a 'nested' bacteria impairment within the watershed boundaries of the U.S. EPA approved (8/02/2006 [Fed ID 24538]) Roanoke River Bacteria TMDL with SWCB approval on 9/07/2006. The bacteria (E.coli) 303(d) Listing continued through the 2014 Cycle; a 'nested' Category 4A water.

VAW-L43R_SNF02A04	North Fork South Mayo River	2.23 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - General Standard (Benthic) - VAW-L48R-01 / L43R-01-BEN
The waters are delisted as Virginia Stream Condition Index (VSCI) surveys find full support at station 4ASNF007.64 (Off Rt. 621, Patrick Co.). The VSCI is a multi-metric statewide stream index of biotic integrity that is based on data collected from minimally impacted reference sites throughout Virginia. 4ASNF007.64 was originally listed based on four benthic macroinvertebrate surveys (collected in 2001 and 2002) with an average VSCI score of 57.0. In 2013 and 2014 the same station was sampled to validate the previous assessment and all four samples scored well above 60. Spring and Fall 2013 VSCI Scores were 77.9 and 73.1, respectively. Spring and Fall 2014 VSCI Scores were 69.5 and 65.2, respectively.

VAW-L49R_MTR01A02	Matrimony Creek	4.83 Miles	Recreation

Delisting Summary:

DELIST 2016 - Bacteria - VAW-L48R-01 / L49R-01-BAC (2008)
The waters are delisted based on data collections at station 4AMTR010.33 (Off Rt. 637 Bridge, Henry Co.). Station 4AMTR010.33 2016 IR escherichia coli (E.coli) data produce results with one excursion of the WQS 235 cfu/100 mL instantaneous criterion from 12 observations. This is a 'nested' bacteria impairment within the Dan River Bacteria Total Maximum Daily Load (TMDL) which was U.S. EPA approved on 12/08/2008 [Fed ID 35757] and SWCB approved 4/28/2009. The bacteria (E.coli) 303(d) Listing continued through the 2014 Cycle ('nested' Category 4A water).

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chowan River and Dismal Swamp Basins

VAC-K02R_KIT01A06	Kits Creek	4.82 Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016 - E. coli - K02R-03-BAC/VAC-K02R-01 (2008)
Station ID: 5AKIT000.67 (Ambient)
E coli - 0/12 Violation Rate

VAC-K16R_HUR01A04	Hurricane Branch	2 Miles	Aquatic Life	

Delisting Summary:

DELIST 2016 - Dissolved Oxygen - VAC-K14R-01/K16R-03-DO (2004)
Station ID: 5AHUR001.91 (Ambient)
Dissolved Oxygen - 1/12 Violation Rate

VAP-K05R_HAY01A10	Hays Creek	6.39 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 -pH-VAP-K05R-05, K05R-05-PH(2010)

During the 2016 cycle the segment was fully supporting for pH at all three stations and pH was delisted.

VAP-K08L_RDC01A98	Brunswick Lake (County Pond)	160.33 Acres	Aquatic Life	

Delisting Summary:

Partial Delist 2016-pH-10006, VAP-K08L-02, K08L-02-PH(2006)

During the 2016 cycle the segment was fully supporting at both stations for pH and will be delisted, 5ARDC007.30 (10/102) 5ARDC008.50 (1/47).

VAP-K08R_MHN01B10	Meherrin River	3.04 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016-pH-VAP-K05R-02, K08R-01-PH(CFL 2010)

During the 2016 cycle the segment was fully supporting for all that it was monitored for and the pH (0/12) will be delisted.

DELIST 2016- E.coli-VAP-K05R-02, K08R-01-BAC (CFL 2010)

During the 2016 cycle the segment was fully supporting for all that it was monitored for and the E.coli (1/12) will be delisted.

VAP-K08R_WIL01A10	Wilson Creek	2.74 Miles	Aquatic Life	

Delisting Summary:

Partial Delist 2016-PH-VAP-K08R-03, K08R-03-PH(2010)

During the 2016 cycle the segment was fully supporting for pH with a violation rate of 5/48, and will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K09R_MHN01D98	Meherrin River	26.75 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016-DO-VAP-K09R-01, K09R-01-DO, 01315 (CFL 2008)

During the 2016 cycle the segment was fully supporting for Aquatic life and the DO will be delisted, the violation rate was 0/12 at station 5AMHN026.54, and 0/42 at station 5AMHN052.34.

VAP-K10R_FON01B10	Fontaine Creek	0.56 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO .56 miles- VAP-K10R-02, K10R-02-DO(2010)

During the 2016 cycle the segment was fully supporting for all that it was monitored for and the DO will be delisted.

VAP-K10R_LNG01A10	Long Branch	2.67 Miles	Aquatic Life

Delisting Summary:

DELIST-2016-pH-VAP-K10R-05, K10R-05-PH (2010)

During the 2016 cycle the segment was assessed as fully supporting for Aquatic Life Use and the pH will be delisted.

VAP-K10R_RCY01A10	Rocky Run	0.86 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-DO- VAP-K10R-02, K10R-06-DO (2010)

During the 2016 cycle the segment was fully supporting for Dissolved Oxygen and will be partially delisted.

VAP-K11R_FON04A00	Fontaine Creek (aka Fountains Creek)	14.48 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016 -DO-VAP-K09R-01, K11R-02-DO, VAP-K11R-02 (CFL 1998)

DO violations were documented in this water in [1998]. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K11R_XGW01A10	XGW - Fontaine Creek, UT	4.46 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K10R-02, K11R-07-DO (2010)

During the 2016 cycle the segment was fully supporting for Dissolved Oxygen with a violation rate of 0/12

DELIST 2016-PH-VAP-K10R-02, K11R-07-PH (2010)

During the 2016 cycle the segment was fully supporting for pH with a violation rate of 1/12

VAP-K12R_CNY01A00	Caney Swamp	2.09 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K09R-01, K11R-02-DO, VAP-K11R-02 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K12R_MLS01A00	Mill Swamp	11.53 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016-DO-VAP-K09R-01, K11R-02-DO, VAP-K11R-02 (CFL 1998)

DO violations were documented in this water in [1998]. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K12R_MLS01B10	Mill Swamp	1.32 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K09R-01, K11R-02-DO, VAP-K11R-02 (1998)

DO violations were documented in this water in [1998]. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K12R_ZZZ01A00	Unsegmented Rivers in K12	99.9 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K09R-01, K11R-02-DO, VAP-K11R-02 (1998)

DO violations were documented in this water in [1998]. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K19R_HRS02A08	Harris Swamp	3.27 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K19R-02, K19R-02 (2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K19R_MSN01A10	Masons Branch	4.89 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016- PH-VAP-K19R-01, K19R-01-PH (CFL 2010)

During the 2016 cycle the segment was fully supporting for Aquatic life use and will be delisted for pH.

PARTIAL Delist 2016- DO- VAP-K19R-01, K19R-01-DO(CFL 2014)

During the 2016 cycle the segment was fully supporting for Aquatic life use and will be delisted for DO.

VAP-K20R_BTR02A06	Butterwood Creek	9.7 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 -DO-VAP-K20R-01, K20R-01-DO, 01341-01346(2002)

DO violations were documented in this water in 2002. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K20R_WOK01A00	White Oak Swamp	14.83 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO VAP-K20R-01, K20R-02-DO(2014)

During the 2016 cycle the segment was fully supporting for all that it was monitored for and DO will be delisted.

VAP-K21R_SWT01A08	Southwest Swamp Watershed	23.85 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-K21R-02-DO, VAP-K21R-02(2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K21R_XID01A12	XID - Chamberlains Bed, UT	2.95 Miles	Aquatic Life

Delisting Summary:

DELIST-2016-pH-VAP-K21R-04, K21R-04-PH(2012)
DELIST-2016-DO-VAP-K21R-04, K21R-04-DO(2012)

During the 2016 cycle the segment had new data from DEQ station 5AXID002.19 with DO rates of 0/12 and pH rates of 1/12. The DEQ station is .3 miles downstream of the NPS station. The segment will be delisted for DO and pH.

VAP-K22R_HSP01A00	Horsepen Branch	3.96 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-VAP-K22R-02, K22R-02-DO, 10008 (2006)

During the 2016 cycle the segment was fully supporting for Aquatic life use with a DO exceedance rate of 0/12 at station 5AHSP000.38, and 1/12 at station 5AHSP001.53.

VAP-K22R_SAP01C16	Sappony Creek	9.18 Miles	Recreation

Delisting Summary:

DELIST 2016 - E.coli 9.18 miles- VAP-K22R-03, K22R-03-BAC, 10009 (CFL 2006)

During the 2016 cycle the segment was split from VAP-K22R_SAP01A00 and was fully supporting for all that it was monitored for so the E.coli will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K23R_ATH01A08	Arthur Swamp	8.38 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-DO-K23R-01-DO, 00478, VAP-K23R-01 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_ATH01B10	Arthur Swamp	0.24 Miles	Aquatic Life

Delisting Summary:

Delist 2016-DO-K23R-01-DO, 00478, VAP-K23R-01 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_BBS01A08	Black Branch Swamp	6.26 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K23R-07, K23R-07-DO (2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_CBP01A08	Cabin Point Swamp	6.55 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K23R-08, K23R-08-DO(2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_GSE01A98	Gosee Swamp and tributaries	27.71 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-DO-K23R-01-DO, 00478, VAP-K23R-01 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chowan River and Dismal Swamp Basins

VAP-K23R_HRA01A04	Hatcher Run	3.89 Miles	Aquatic Life	

Delisting Summary:

Partial Delist 2016-DO-K23R-01-DO, 00478, VAP-K23R-01 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_HRA01B10	Hatcher Run	16.22 Miles	Aquatic Life	

Delisting Summary:

Partial Delist 2016-DO-K23R-01-DO, 00478, VAP-K23R-01 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_JNH01A98	Jones Hole Swamp/Moores Swamp watershed	70.67 Miles	Aquatic Life	

Delisting Summary:

PARTIAL Delist 2016 - DO-VAP-K23R-04, K23R-04-DO (CFL 2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_JNH01B16	Jones Hole Swamp	4.28 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016 - DO-VAP-K23R-04, K23R-04-DO (CFL 2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

DELIST 2016 - E.coli 4.26 miles-VAP-K23R-04, K23R-04-BAC (CFL 2010)

During the 2016 cycle the segment was fully supporting for recreation use. The E.coli violation rate was 0/12 at station 5AJNH009.95.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chowan River and Dismal Swamp Basins

VAP-K23R_JNH01C16	UT to Jones Hole Swamp	9.11 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016 - DO-VAP-K23R-04, K23R-04-DO (CFL 2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

DELIST 2016 - E.coli 9.11 miles-VAP-K23R-04, K23R-04-BAC (CFL 2010)

During the 2016 cycle the segment was fully supporting for recreation use. The E.coli violation rate was 0/12 at station 5AXIJ000.76.

VAP-K23R_JOE01A10	Joseph Swamp	11.22 Miles	Aquatic Life

Delisting Summary:

Partial DELIST 2016- DO- VAP-K23R-03, K23R-03-DO, 00466/00465/ 01350/01352(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_NBT01A98	Nebletts Mill Run and Tributaries	48.55 Miles	Aquatic Life

Delisting Summary:

DELIST 2016- DO- VAP-K23R-03, K23R-03-DO, 00466/00465/ 01350/01352(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_NBT02A00	Nebletts Mill Run	3.77 Miles	Aquatic Life

Delisting Summary:

DELIST 2016- DO- VAP-K23R-03, K23R-03-DO, 00466/00465/ 01350/01352(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K23R_NBT03A04	Nebletts Mill Run lower tributaries	14.01 Miles	Aquatic Life

Delisting Summary:

DELIST 2016- DO- VAP-K23R-03, K23R-03-DO, 00466/00465/ 01350/01352 (CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_ROW01A98	Rowanty Creek Tributaries	140.45 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K23R-01, VAP-K19R-04, K23R-01-DO, 00478 (1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_ROW03A06	Rowanty Creek Tributaries	133.22 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K23R-01, VAP-K19R-04, K23R-01-DO, 00478 (CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_ROW03B10	Rowanty Creek	14.07 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016- DO - VAP-K23R-01, VAP-K19R-04, K23R-01-DO, 00478 (CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K23R_XDV01A02	UT to Nebletts Mill Run	1.78 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO- VAP-K23R-03, K23R-03-DO, 00466/00465/01350/01352(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_XFL01A08	Spring Branch, UT (XFL)	0.36 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K23R-03, K23R-03-DO, 00466/00465/01350/01352(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K23R_XFZ01A08	Joseph Swamp, UT	1.39 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K23R-03, K23R-03-DO, 00466/00465/01350/01352(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K24R_HQS01A98	Hunting Quarter Swamp	16.67 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-DO-K24R-01-DO, VAP-K24R-01(2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K24R_HQS01B08	Hunting Quarter Swamp Tributaries	56.97 Miles	Aquatic Life

Delisting Summary:

DELIST-2016-DO-VAP-K24R-01, K24R-02-DO (2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K24R_TWT01A16	Thweatt Branch Tributaries	7.26 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST-2016-DO-VAP-K24R-01, K24R-02-DO (2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K25R_LTS01A06	Little Swamp	8.53 Miles	Aquatic Life

Delisting Summary:

DELIST-2016-DO-VAP-K25R-01, K25R-04-DO, VAP-K25R-04, 10111(2008)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K25R_RCN01A02	Raccoon Creek	19.9 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST-2016-DO-VAP-K25R-01, K25R-01-DO, 00630/00662(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K25R_SGC01A98	Spring Creek	16.59 Miles	Aquatic Life

Delisting Summary:

DELIST-2016- DO -VAP-K25R-01, K25R-01-DO, 00630/00662(CFL 1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K25R_XFA01A06	UT to Raccoon Creek	4.3 Miles	Aquatic Life

Delisting Summary:

DELIST-2016- DO -VAP-K25R-01, K25R-05-DO, VAP-K25R-0510013(CFL 2006)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K25R_XFB01A06	UT to Spring Creek	4.12 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K25R-01, K25R-03-DO, VAP-K25R-03, 10010(2006)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K26R_MCC01A00	Maclins Creek	8.8 Miles	Aquatic Life

Delisting Summary:

PARTIAL Delist 2016-DO- VAP-K26R-04, K26R-04-DO(CFL 2014)

DO violations were documented in this water in 2014. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K26R_OTD01A98	Otterdam Swamp	7.02 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO- VAP-K19R-04, K26R-01-DO 004481/01357(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K26R_TRE02B98	Three Creek	5.43 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016-DO- VAP-K19R-04, K26R-01-DO, VAP-K26R-01, 00481/01357(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K26R_URH01A12	Uriah Branch	4.08 Miles	Aquatic Life

Delisting Summary:

DELIST 2016-DO-VAP-K26R-05, K26R-05-DO (2012)

DO violations were documented in this water in 2012. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K29R_ASM01A98	Assamoosick Swamp	15.41 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_ASM02A02	Assamoosick Swamp	2.46 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_ASM02A98	Assamoosick Swamp	5.56 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_BLS01A00	Black Swamp	4.55 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_DEP01A10	Deep Branch	4.19 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K29R_GMN01A02	German Swamp	2.62 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_GMN01A10	German Swamp	1.07 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_IVY01A10	Ivy Branch	3.7 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_PNS01A02	Pigeon Swamp	4.11 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_PRK01A10	Parkers Branch	3.94 Miles	Aquatic Life

Delisting Summary:

Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K29R_SRE01A02	Seacorrie Swamp	7.03 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_XDW01A02	XDW - UT to Assamoosick Swamp	2.05 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K29R_XGS01A10	XGS - Assamoosick Swamp, UT	2.36 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K19R-04, K29R-01-DO, VAP-K29R-01,00498/00483/01361(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_BKR01A98	Blackwater Swamp	22.9 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-01-DO, VAP-K31R-01,00493/00495/01366(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_BNF01A10	North Fork Blackwater Swamp	6.11 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-05-DO(2010)

DO violations were documented in this water in 2010. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K31R_CAT01A10	Cattail Creek	3.43 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-06-DO(2012)

DO violations were documented in this water in 2012. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_SEC01A04	Second Swamp	9.52 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-02-DO, VAP-K31R-02,01368(2004)

DO violations were documented in this water in 2004. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_SEC01B10	Second Swamp	6.91 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-02-DO, VAP-K31R-02,01368(2004)

DO violations were documented in this water in 2004. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_WKS01A00	Warwick Swamp	13.21 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-01-DO, VAP-K31R-01,00493/00495/01367/01365/01366(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_WKS02A04	Warwick Swamp	6.23 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-01-DO, VAP-K31R-01,00493/00495/01367/01365/01366(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K31R_WKS03A10	Warwick Swamp	3.02 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-01-DO, VAP-K31R-01,00493/00495/01367/01365/01366(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_XES01A08	Warwick Swamp, UT	3.43 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-03-DO(2010)

DO violations were documented in this water in 2010. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_XFX01A10	Warwick Swamp, UT	2.95 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-07-DO(2012)

DO violations were documented in this water in 2012. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_XGX01A12	XGX - Warwick Swamp, UT	2.22 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-09-DO(2012)

DO violations were documented in this water in 2012. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K31R_XHO01A12	XHO - Warwick Swamp, UT	2.42 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K31R-08-DO(2012)

DO violations were documented in this water in 2012. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K32R_BLW01B98	Blackwater River	18.55 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-01-DO(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_BLW02B98	Blackwater River	5.39 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-01-DO(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_CPH01A98	Coppahaunk Swamp	11.98 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-05-DO, VAP-K32R-05,01370/01371/01372(2002)

DO violations were documented in this water in 2002. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_CPP01A98	Cypress Swamp	17.06 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-06-DO, VAP-K32R-06,00633/00665(1998)

DO violations were documented in this water in 1998. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_CPP01B06	Cypress Swamp Tributaries	143.62 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-07-DO, VAP-K32R-07,01374(2004)

DO violations were documented in this water in 2004. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K32R_OTR01A98	Otterdam Swamp	7.44 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-03-DO, VAP-K32R-03,01377(2002)

DO violations were documented in this water in 2002. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_OTR02A00	Otterdam Swamp	5.86 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-03-DO, VAP-K32R-03,01377(2002)

DO violations were documented in this water in 2002. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_SRN01A94	Spring Branch	4.15 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-10-DO, VAP-K32R-10,10045(2006)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_SRN02A06	Spring Branch	0.11 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-10-DO, VAP-K32R-10,10045(2006)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAP-K32R_XAW01A08	Spring Branch, UT	1.07 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-15-DO(2008)

DO violations were documented in this water in 2008. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAP-K32R_XDR01A06	UT to Otterdam Swamp	2.61 Miles	Aquatic Life

Delisting Summary:

Partial Delist 2016- DO-VAP-K32R-13, K32R-11-DO, VAP-K32R-11, 10047(2006)

DO violations were documented in this water in 2006. It has since been formally re-classified as a swamp water (Class VII). Per Virginia's Water Quality Standards (9VAC25-260-50), numeric dissolved oxygen standards only apply to Class VII waters when there is sufficient evidence the narrative criterion is not protective of aquatic life uses. To date, this Class VII water has not exhibited a need for a site-specific DO criterion, so the DO impairment has been removed.

VAT-K13R_FTS01A04	Flat Swamp	8.48 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K13R-02-DO (2004).

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Data collected for pH is supporting at station 5AFTS002.93 with 0 viol / 24 obs based on swamp water revised pH criteria range (3.7 - 8). pH was delisted in 2008.

Benthic VCPMI was low (2014: F- 29.7). However, this site is swampy with naturally low DO and is not the typical channelized, free-flowing stream used to develop the VCPMI. Therefore, a definitive assessment based in this score is not possible.

VAT-K13R_TRR01A00	Tarrara Creek	14.49 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K13R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

A natural conditions report is complete that determined the DO impairment was not influenced by anthropogenic sources. EPA has approved the Natural Conditions Report and formal approval of the natural conditions designation 4/8/2010.

pH is supporting with 0 violates / 36 obs at station 5ATRR002.50.

VAT-K28R_MSP01A06	Mill Swamp	10.49 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - PH - K28R-01-PH (2012)

Aquatic Life Use is impaired for DO with 4 viol/ 24 obs at Station 5AMSP000.16. pH is supporting with 2 viol. / 24 obs at Station 5AMSP000.16.

Impairment is thought to be due to natural swamp conditions. An upstream segment of Mill Swamp (VAT-K34R_MSW01A00) has been approved by EPA (4/8/2010) as class VII.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chowan River and Dismal Swamp Basins

VAT-K32R_BLW01A08	Blackwater River - Lower K32	2.32 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - K32R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Benthics impairment is retained based on data from stations 5ABLW052.91 and 5ABLW055.26

The listing CD station 5ABLW058.22 is a Piedmont CD listing. The CD segment associated with station 5ABLW058.22 is within VAP-K32R_BLW02B98 and was assessed in PRO as a 4C for 2008 Assessment. However the station is sited within AU segment VAT-K32R_BLW01A08. TRO assigned a category 5C in 2008 Assessment. The CD segment and station will be included in the CD K32R-01-DO and will be listed as a 4C in 2010 Assessment.

(Also includes non-agency data USGS station 02047500. This station has no supporting information relevant to designated uses.)

VAT-K33R_BLW01A00	Blackwater River - Upper	19.1 Miles	Aquatic Life	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - DO - K33R-02-DO (1998)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use impairment is retained from 2008 benthics from stations 5ABLW052.91 and 5ABLW055.26. In the 2008 Assessment there was also an observed effect for sediment toxics at stations 5ABLW052.91 and 5ABLW055.26

pH is supporting Aquatic Life Use based on data from station 5ABLW053.54 (0 viol / 12 obs) and non-agency station 2047500 (USGS) with (0 viol / 10 obs). A natural conditions report is complete that determined the DO impairment was not influenced by anthropogenic sources. EPA approved the Natural Conditions Report 4/8/2010.

PARTIAL DELIST 2016 - ECOLI - K33R-02-BAC (2008)

The Recreation Use is Fully Supporting based on E.coli data at DEQ station 5ABLW053.54 (1 viol/ 12 obs).

VAT-K33R_BLW02A04	Blackwater River - Middle	1.04 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - DO - K33R-02-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use is supported based on pH data. pH is supporting with 1 viol / 35 obs at station 5ABLW040.22.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAT-K33R_BLW03A08	Blackwater River - Lower	4.18 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K33R-02-D0 (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

A natural conditions report is complete that determined the DO impairment was not influenced by anthropogenic sources. EPA approved the Natural Conditions Report 4/8/2010 and the DO impairment will be Category 4C.

The Aquatic Life Use impairment is retained based on the benthic assessment [MI: S&F '05] at DEQ (ProbMon) station 5ABLW038.69.

VAT-K34R_MSW01A00	Mill Swamp	8.44 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K34R-01-DO (2004)
PARTIAL DELIST 2016 - pH - K34R-01-pH (2010)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

A natural conditions report is complete that determined the DO impairment was not influenced by anthropogenic sources. EPA approved the Natural Conditions Report 4/8/10 the DO impairment will be Category 4C.

pH is supporting with 0 viol/ 12 obs at station 5AMSW006.77

VAT-K34R_RKN01A02	Rattlesnake Swamp K34	6.42 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K34R-02-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

A natural conditions report is complete that determined the DO impairment was not influenced by anthropogenic sources. EPA approved the Natural Conditions Report 4/8/2010 the DO impairment will be Category 4C.

Aquatic life use is supporting based on pH with 0 viol / 36 obs at station 5ARKN006.40

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAT-K35R_BNT01A04	Brantley Swamp - Lower	3.65 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO- K35R-07-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use is supporting based on pH data with 0 viol / 12 obs at station 5ABNT002.70. pH was delisted in 2008 Assessment.

2014 Fall VCPMI score was 27.7 but was not used for assessment because this site is swampy and not a typical stream used in the development of the VCPMI

VAT-K35R_SCK01A00	Seacock Swamp - Upper	0.84 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K35R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

There is no new data within the assessment window to assess the Aquatic Life Use.

VAT-K35R_XDY01A04	UT Seacock Swamp	1.02 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K35R-03-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

There is no new data within the assessment window to assess the Aquatic Life Use.

VAT-K35R_XDZ01A04	UT Airfield Pond - Upper	0.68 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K35R-05-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use is Fully Supporting based on pH with 0 viol / 11 obs at station 5AXDZ001.73. pH data is from 2007, but fully supporting status is being maintained for this cycle. If there is no new data for 2018 cycle, move to not assessed.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAT-K35R_XDZ02A04	UT Airfield Pond - Lower	0.71 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K35R-04-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use is Fully Supporting based on revised Class VII pH criteria at station 5AXDZ000.81 (0 viol / 7 obs). pH data is from 2007, but fully supporting status is being maintained for this cycle. If there is no new data for 2018 cycle, move to not assessed.

VAT-K36R_BLC02A10	Black Creek - Upper	1.25 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - ECOLI - K36R-03-BAC (2010)

Recreation Use is Fully Supporting based on E.coli data collected at station 5ABLC006.97 with 0 viol / 12 obs.

VAT-K36R_CYS01A12	Cypress Swamp	5.16 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K36R-04-DO (2014)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

The Aquatic Life Use is supporting for pH with 0 viol / 23 obs at Station 5ACYS001.92.

Blackwater Nottoway Riverkeeper Station 638CYP (0 viol / 7 obs for pH) and 640BER (0 viol / 5 obs for pH) has insufficient data (Level II CMON) to assess.

VAT-K37R_XDN01A00	Buckhorn Creek	1.52 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K37R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

pH impairment from 2004 retained until new data indicates pH supports class VII criteria.

Need follow up data

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAT-K38R_STN01A00	Somerton Creek	9.38 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K38R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

Aquatic Life Use impairment for benthics is retained from the 2004 IR at station 5ASTN008.78 (MI:F-04). pH is supporting with 0 viol / 36 obs.

VAT-K39R_XCK01A00	Dismal Swamp Canal & Feeder Ditch to Lake Drummond	13.21 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - K39R-01-DO (2004)

Dissolved Oxygen will be delisted for Class VII waters that were previously listed as impaired for the aquatic life use based on the Class III DO water quality standards. Class VII waters currently do not have a water quality standard for DO. Therefore, dissolved oxygen data for aquatic life use in Class VII waters will not be assessed until an applicable water quality standard is developed.

The Natural Conditions Report for pH and DO was approved in Triennial Review.

The pH data is supporting for ALUS based on Class VII pH criteria (3.7-8.0 SU) with 1 viol / 35 obs.

VAT-K42E_BKY04A14	Back Bay	1.6636 Square Miles	Recreation

Delisting Summary:

DELIST 2016 - ECOLI - K42E-11-BAC (2014)

The Recreation Use is fully supporting based on Enterococcus bacteria data (3 viol / 31 obs) at 5BBKY000.99.

The following stations have Observed effects for Enterococci.

5BBKY000.13
5BBKY000.86

This was part of 2012 Assessment ID305B VAT-K42E-BKY03A08. Was split to account for difference in recreational impairment for the 2014 Assessment.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chowan River and Dismal Swamp Basins

VAT-K42E_HPC02A04	Hell Point Creek - Lower (at mouth)	0.0146 Square Miles	Recreation

Delisting Summary:

DELIST 2016 - ECOLI - K42E-03-BAC (2004)

The Recreation Use is fully supporting with an observed effect based on Enterococci bacteria data (3 violate / 32 obs.) at DEQ station @ 5BHPC000.00.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Tennessee and Big Sandy River Basins

VAS-O02R_SFH01B02	South Fork Holston River	6.14 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - E.coli, Fecal - O01R-01-BAC (2006)
Delist is based on current E.coli data. No samples at 6CSFH093.01 exceed WQS for E.coli. Impairment predates elimination of fecal coliform standard. Delist includes fecal coliform.

VAS-O10R_LAE02A02	Laurel Creek, middle	6.48 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature - O10R-05-TEMP (2010).
No temperature measurements exceeded the WQS for Class VI waters.

VSCI: 04.05.2010 76; 26.03.2009 61
Aquatic Life Use is supported.

VAS-P01R_SFK01A10	South Fork Clinch River	4.17 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Benthic Macroinvertebrates - P03R-01-BEN (2014)

Aquatic Life Use is supported at 6BSFK000.62; data included temp, pH, DO, NH3. VSCI:
11/10/2014 68.47
03/17/2014 75.02
06/02/2009 58.79

VAS-P08R_DUM01A94	Dumps Creek	3.54 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Benthic Macroinvertebrates - P08R-01-BEN (2002)

Aquatic Life Use was supported; VSCI at 6BDUM000.23 indicated full support. VSCI:
10/28/2014 71.83
06/02/2014 64.86
11/19/2012 67.50
04/17/2012 51.30
10/07/2010 50.97
04/06/2010 60.24

VAS-P20L_PWL01L02	Lake Keokee	96.21 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - pH - P20L-01-PH (2002)
Aquatic Life Use is supported. Only 6% of pH measurements exceeded WQS.DO exceedances occurred at depth during stratification and are not violations of WQS.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Tennessee and Big Sandy River Basins

VAS-Q05R_DIS01A00	Dismal Creek	5.38 Miles	Recreation

Delisting Summary:

PARTIAL DELIST 2016 - E.coli - Q05R-01-BAC (2006)
Recreation Use was supported; 9% exceeded WQS for E. Coli at 6ADIS001.24.

VAS-Q14R_RLF01A14	Left Fork Rush Creek	2.41 Miles	Aquatic Life

Delisting Summary:

DELIST 2016 - Benthic Macroinvertebrates - Q14R-03-BEN (2014)
Probabilistic monitoring VSCI indicates full support of Aquatic Life Use:
10/20/2014 64.37
04/01/2014 78.85

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VACB-R01E-MOB	Chesapeake Bay - CBP Segment MOBPH	92.9512 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016--Dissolved oxygen--MOBPH-DO-BAY (2006) Segment meets the 30-Day Mean Open Water use criterion for DO. SAV acreage did not meet criterion. Estuarine bioassessment indicates attainment.

PARTIAL DELIST 2016--Dissolved oxygen--MOBPH-DO-BAY (2006) Segment meets the 30-Day Mean Open Water use criterion for DO. SAV acreage did not meet criterion. Estuarine bioassessment indicates attainment.

PARTIAL DELIST 2016--Dissolved oxygen--MOBPH-DO-BAY (2006) Segment meets the 30-Day Mean Open Water use criterion for DO. SAV acreage did not meet criterion. Estuarine bioassessment indicates attainment.

PARTIAL DELIST 2016--Dissolved oxygen--MOBPH-DO-BAY (2006) Segment meets the 30-Day Mean Open Water use criterion for DO. SAV acreage did not meet criterion. Estuarine bioassessment indicates attainment.

VAP-C01E_BAR01A98	Barrett Creek	0.0378 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C01E-04-SF (CFL 2014)

Barrett Creek was impaired due to VDH-DSS Shellfish Condemnation Notice 013-089I, 7/31/2012. The impairment was considered nested within the nearby Tipers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006. The condemnation was rescinded during the 20216 cycle; therefore, the segment will be delisted.

VAP-C01E_BAR02A08	Barrett Creek	0.008 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C01E-39-SF (CFL 2014)

The tributary was impaired due to VDH-DSS Shellfish Condemnation Notice 013-089H, 7/31/2012. The impairment was nested within the nearby Tipers Creek Shellfish TMDL. The TMDL was developed in the Great Wicomico River Watershed TMDL Report and was approved by the EPA on 6/8/2006. The condemnation was rescinded during the 2016 cycle (013-089, 4/1/2014); therefore, the segment will be delisted.

VAP-C01E_HEN01A00	Henrys Creek	0.0406 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C01E-44-SF / Federal ID 35987 (CFL 2014)

Henrys Creek was impaired during the 2014 cycle due to VDH-DSS condemnation 016-057C, 12/28/2012.

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

The TMDL was developed for the maximum extent of the condemnations, which occurred on 1/28/2005. The condemnation was rescinded in the 2016 cycle (016-057, 12/16/2014); therefore, the impairment will be delisted. Henrys Creek will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C01E_IND01E16	Indian Creek	0.0399 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform 0.0400 mi2 - C01E-22-SF / 00961 / VAP-C01E-22 / Federal ID 35980 (CFL 1998)

During the 1998 cycle, Pitmans Cove and Indian Creek were assessed as impaired of the Shellfish Consumption Use due to VDH-DSS condemnations 57A and 57C, 3/5/1997. The condemnations have since grown and shrunk several times. At their maximum extent (016-057A, 1/28/2005 and 12/13/2006), the condemnations had merged. The Shellfish TMDL was developed for this maximum extent and was approved by the EPA on 4/8/2009 and by the SWCB on 7/27/2009. The condemnations shrunk and split again in the 2016 cycle (VDH-DSS Shellfish Condemnations 016-057A and -C, 12/16/2014) and 0.0400 mi2 will be partially delisted.

VAP-C01E_OHC01A08	Old House Cove	0.0241 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C01E-43-SF (CFL 2014)

Old House Cove was previously impaired due to VDH-DSS Shellfish Condemnation Number 015-022G, 5/1/2012.

The impairment was nested within the Dividing Creek Shellfish TMDL, which was approved by the EPA on 6/8/2006.

The cove is open for harvest in the 2016 cycle (015-022, 5/5/2014): therefore, the segment will be delisted.

VAP-C01E_TSK01A14	Taskmakers Creek	0.021 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C01E-10-SF (CFL 2014)

Taskmakers Creek was impaired due to VDH Shellfish Condemnation 011-190C, 10/10/2012.

It was considered nested in the neighboring Little Taskmakers Creek Shellfish TMDL; the TMDL was approved by the EPA on 6/19/2009 and by the SWCB on 11/14/2009.

The condemnation was rescinded during the 2016 cycle (011-190C, 7/24/2014); therefore, it will be delisted.

VAP-C02R_EXE01A06	Exol Swamp	11.34 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - pH - C02R-04-PH / 15016 / VAP-C01R-04 (CFL 2006)

In 2006, Exol Swamp was assessed as not supporting for Aquatic Life Use based on exceedances of the water quality standards for pH at the Rt. 614 bridge (station 7-EXE000.81). During the 2010 cycle, the exceedance rate was 3/28 at 7-EXE000.81 and 2/13 at station 7-EXE008.44.

During the 2010 cycle, the Natural Condition Report for Dragon Swamp Watershed was completed. The report recommends that Exol Swamp from its perennial headwaters to its mouth be reclassified as Class VII swampwater. The segment length was revised to match the report and Exol Swamp is considered a Category 4C water.

Additional monitoring was conducted during the 2016 cycle at 7-EXE000.81. The pH exceedance rate was acceptable (0/12); therefore, Exol Swamp will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C03R_CAV01A02	Carvers Creek	5.55 Miles	Recreation	

Delisting Summary:

DELIST 2016 - E. coli - C03R-01-BAC (CFL 2012)

During the 2012 cycle, nontidal Carvers Creek was assessed as not supporting of the Recreation Use due to an E. coli exceedance rate of 2/10 at 7-CAV001.62, which is located at the Route 198 bridge.

However, the stream is within the study area for the Piankatank River and Harpers Creek Shellfish TMDL, which was approved by the EPA on 6/7/2006. Carvers Creek was considered nested (Category 4A.)

During the 2016 cycle, the exceedance rate fell to 2/22; therefore, the segment will be delisted.

VAP-C04E_BEV01A08	Belleville Creek	0.0368 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_BKA01A98	Back Creek	0.0711 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_BKA01B12	Back Creek	0.0138 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_BLL01A16	Billups Creek	0.0174 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - 0.0175 mi2 - C04E-07-SF/00995/VAP-C04E-07/Federal ID 35556 (CFL 1998)

VDH Shellfish Condemnation 037-061, 1/31/2014 - open

A portion of Billups Creek was included on the 1998 303(d) list for the Shellfish Consumption Use due to VDH-DSS condemnation 204, 4/4/1997. The Shellfish TMDL, which was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008 addresses the 1998 portion. During the 2016 cycle, the condemnation shrank and is now smaller than the TMDL extent. The opened area (0.0175 mi2) will be partially delisted (Category 2C.)

VAP-C04E_BLL01B10	Billups Creek	0.0102 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C04E-07-SF2 / 00995 / VAP-C04E-07 (CFL 2002)

Portion of VDH Shellfish Condemnation 037-061B, 2/7/2012 - open 1/31/2014

A portion of Billups Creek was included on the 1998 303(d) list for the Shellfish Consumption Use due to VDH-DSS condemnation 204, 4/4/1997. The condemned area has since expanded. However, the Shellfish TMDL only addresses the 1998 portion. The TMDL for the expansion was due in 2014 as the area first expanded in the 2002 cycle.

The expansion was nested within the Billups Creek Shellfish TMDL, which was included in the Gwynns Island and Milford Haven Watersheds report. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008.

The condemnation shrank in the 2016 cycle and is now smaller than the TMDL extent; the expansion will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_BLW01A98	Blackwater Creek	0.1008 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_BUR01A00	Burke Mill Stream	0.0246 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_DAV01A98	Davis Creek	0.0369 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_DAV02A14	Davis Creek, UT	0.0235 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

PARTIAL DELIST 2016 - Fecal Coliform - C04E-17-SF (CFL 2014)

The tributary of Davis Creek was previously impaired due to VDH-DSS condemnation 042-131B, 7/12/2012. It was considered nested within the upstream Blackwater Creek Shellfish TMDL, which was addressed in the North River TMDL report and approved by the EPA on 6/7/2006.

During the 2016 cycle, the condemnation was rescinded (042-131, 6/12/2014); therefore, the tributary will be delisted.

VAP-C04E_DVS01A98	Davis Creek	0.0055 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_DVS01B08	Davis Creek	0.011 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_DVS02A12	Davis Creek	0.0105 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_DVS03A12	Davis Creek	0.009 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_DYE01A08	Dyer Creek	0.0145 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C04E-34-SF (CFL 2014)

During the 2014 cycle, Dyer Creek was impaired of the Shellfish Consumption Use due to VDH-DSS condemnation 039-100A, 2/24/2011. It was considered nested within the nearby Doctors Creek Shellfish TMDL, which was approved by the EPA on 1/23/2008 and by the SWCB on 7/31/2008.

The shellfish area was re-opened for harvest in the 2016 cycle (039-100, 3/6/2013); therefore, it will be delisted.

VAP-C04E_EDW01A98	Edwards Creek	0.0272 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C04E-03-SF/ 01001 / VAP-C04E-03 / Federal ID 35580 (CFL 1998)

VDH-DSS Shellfish Condemnation 036-197, 1/31/2014 - open

Edwards Creek was included on the 1998 303(d) list due to VDH condemnation 197A, 1/21/1997. The TMDL was approved by the EPA on 1/15/2008 and by the SWCB on 7/31/2008. The segment was considered Category 4A. During the 2016 cycle, Edwards Creek is open or seasonally condemned (036-197, 1/31/2014); therefore, the impairment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_ELM01A98	Elmington Creek	0.0225 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_ELM01B08	Elmington Creek	0.0085 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST01A98	East River	0.1982 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_EST01B10	East River	0.1005 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST01D10	East River, UT	0.0225 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST02A00	East River	2.4601 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_EST03A06	East River, UT	0.0162 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST04A02	East River, UT	0.0261 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST05A06	East River, UT	0.0096 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_EST06A08	East River, UT	0.0196 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST07A08	East River, UT	0.0138 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_EST08A08	East River, UT	0.0039 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_GRE01A08	Greenmansion Cove	0.0266 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_GRE01B10	Greenmansion Cove	0.0274 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_HUD01A08	Hudgins Creek	0.0155 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C04E-32-SF (CFL 2008)

Hudgins Creek has been impaired of the Shellfish Use due to VDH Shellfish Condemnation 037-061D, 2/7/2012. The condemnation was nested within the upstream Stutts Creek Shellfish TMDL, which was addressed in the Gwynn's Island and Milford Haven Watersheds report and was approved by the EPA on 1/15/2008.

The condemnation was opened in the 2016 cycle (037-061, 1/31/2014): therefore, the creek will be delisted.

VAP-C04E_MIS01A04	Miles Creek	0.03 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_NOR01A02	North River	0.317 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_NOR01B08	North River	0.1354 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_NOR02A02	North River	5.3667 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_OAK01A08	Oakland Creek	0.0301 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_PEP01A06	Pepper Creek	0.0309 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_PUT01A98	Put In Creek	0.0786 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_PUT01C10	Put In Creek	0.0478 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_PUT01D16	Put In Creek	0.0054 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_PUT02A98	Put In Creek	0.0205 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_RAN01A08	Raines Creek	0.0388 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_RAY01A12	Raymond Creek	0.0255 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_SLO01A08	Sloop Creek	0.0504 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_STT01B06	Stutts Creek, UT (Hole in the Wall)	0.0164 Square Miles	Shellfishing	

Delisting Summary:

PARTIAL DELIST 2016 - Fecal Coliform - C04E-31-SF (CFL 2008)

VDH Shellfish Condemnation 037-061M5, 1/31/2014

Hole in the Wall was previously impaired of the Shellfish Use due to VDH Shellfish Condemnation 037-061C, 2/7/2012. It was nested within the nearby Billups Creek Shellfish TMDL, which was approved by the EPA on 1/15/2008. During the 2016 cycle, Hole in the Wall was seasonally condemned; therefore, the impairment will be delisted.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_TAB01A08	Tabbs Creek	0.0818 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_THO01A08	Thomas Creek	0.0137 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_WON01A08	Weston Creek	0.0248 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_WOO01A10	Woodas Creek	0.0398 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_WTS01A08	Whites Creek	0.0179 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C04E_XFA03A14	XFA - North River, UT	0.0196 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C04E_ZZZ03A06	Unsegmented estuaries in C04	0.4088 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_FOX01A08	Fox Mill Run	0.0853 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_OLD01A12	Oldhouse Creek	0.1018 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C05E_WAR01A02	Ware River	0.2567 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_WAR01B08	Ware River	0.4095 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_WAR02A02	Ware River	6.1698 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C05E_WIL01A98	Wilson Creek	0.0326 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_WIL01B08	Wilson Creek	0.1615 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C05E_XDJ01A08	Wilson Creek, UT	0.0102 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C05E_ZZZ01A00	Unsegmented estuaries in C05	0.2298 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_BRB01A08	Browns Bay	0.0206 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_BRB01B12	Browns Bay	0.0243 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_FSC01A98	Free School Creek	0.0541 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_FSC01B12	Free School Creek	0.0121 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_HEY01A98	Heywood Creek	0.0808 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_HEY01B10	Heywood Creek	0.0851 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_MNC01A98	Monday Creek	0.0823 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_ROW01A06	Rowes Creek	0.0672 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_SEN01A02	Northwest Branch Severn River	0.0916 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_SEN01B16	Northwest Branch Severn River, UT	0.0337 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_SEN01C10	Northwest Branch Severn River	0.2023 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_SEN02A06	Northwest Branch Severn River	0.4414 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_SES01A00	Southwest Branch Severn River	0.6347 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_SEV02A00	Severn River	3.2583 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_STR01A08	Sterling Creek	0.0205 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_THC01A98	Thorntons Creek	0.0518 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_THC01B10	Thorntons Creek	0.0267 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_VGH01A98	Vaughans Creek	0.102 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_VGH01B10	Vaughans Creek	0.0187 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_WET01A06	Willetts Creek	0.033 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_WET01B08	Willetts Creek	0.128 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_WTT01A08	Whitaker Creek	0.066 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAP-C06E_XEE01A10	Northwest Branch Severn River, UT	0.0028 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAP-C06E_ZZZ01A00	Unsegmented estuaries in C06	1.3519 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - MOBPH-DO-BAY / 01770 / VAP-C04E-23 / Federal IDs 40846, 40848, and 40850 (CFL 2006)

The Chesapeake Bay Water Quality Standards were implemented during the 2006 cycle.

The Mobjack Bay previously failed the 30-day Open Water summer dissolved oxygen criteria. The segment meets both the summer and rest-of-year dissolved oxygen criteria in the 2016 cycle and will be delisted.

The Chesapeake Bay TMDL was approved by the EPA on 12/29/2010; therefore, it will be considered Category 2C.

VAT-C07E_BAK01A00	Mainstem Back River	3.3404 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

No new Benthic Assessment results were provided for the 2016 IR. The 2014 Benthic Assessment will be used again in the 2016 IR. Benthics are still supporting ALUS within the MOBPHb.

Local DO and pH data at C2 stations support ALUS.

Benthic ProbMon WoE stations collected :
7BBAK001.01(2011) - 2A , Fully Support ALUS
7BBAK002.03 (2012) - 3B, Not able to make assessment
7BBAK002.94 (2012) - 3B, Not able to make assessment

The Chesapeake Bay TMDL was EPA approved 12/29/2010 for TN, TP and TSS.
Previous (2006) TMDL-ID of CB-MOBPH.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_BAK01B08	Mainstem Back River-South Shore at Mouth Wallace Cr.	0.0913 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

No new Benthic Assessment results were provided for the 2016 IR. The 2014 Benthic Assessment will be used again in the 2016 IR. Benthics are still supporting ALUS within the MOBPHb.

The Chesapeake Bay TMDL was EPA approved 12/29/2010 for TN, TP and TSS.

VAT-C07E_BAK02A14	Back Creek - Inlet near Dandy Point [TMDL]	0.0344 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

DO and pH data a site specific station 7-BAK001.31 , 0 viol / 12 obs

The Chesapeake Bay TMDL was EPA approved 12/29/2010 for TN, TP and TSS.

VAT-C07E_BCK01A00	Back Creek - Upper	0.2217 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

No new Benthic Assessment results were provided for the 2016 IR. The 2014 Benthic Assessment will be used again in the 2016 IR. Benthics are still supporting ALUS within the MOBPHb.

The Chesapeake Bay TMDL was EPA approved 12/29/2010 for TN, TP and TSS.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_BCK02A06	Back Creek - Middle (DSS-marina area)	0.1377 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

WoE station with 2011 benthic data is a 3B with a potential for chronic effects on sediment metals and PAH contamination.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_BCK03A06	Back Creek - Lower	0.4053 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_BEN01A06	Bennett Creek - Upper (DSS_06-IR)	0.0387 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_BEN02A08	Bennet Creek - Lower Middle	0.2093 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_BEN03A16	Bennett Creek-Mouth	0.366 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

WoE stations 7BBEN000.65 (Fully Support ALUS for Benthic based on 2012 data collected) &7-BEN000.68 (Not able to make a assessment determination based on the 2009 data).

VAT-C07E_BRK01A06	Brick Kiln Creek	0.0859 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

The Chesapeake Bay TMDL EPA approved 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_BTC01A08	Bay Tree Creek	0.1255 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved the Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_BTH01A08	Boathouse Creek	0.0784 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
Previously (2006 IR) listed as TMDL-ID: CB-MOBPH. EPA approved the Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016- FECAL COLIFORM 0.0416 sq mi- C07E-37-SF (2012)

The Shellfishing Use is supporting based on the DSS shellfish OPEN harvesting area # 053-221 (effective 20140218).
Now in 2016 IR all of Boathouse Creek is OPEN for shellfish. Therefore segment VAT-C07E_BTH02A12 was merged with VAT-C07E_BTH01A08. The delist is for segment BTH02A12 with 0.0416 sq miles.

VAT-C07E_CAB01A08	Cabin Creek	0.0819 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved the Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_CCR01A06	Cedar & Topping Creeks	0.1085 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_CHS01A06	Chisman Creek-Upper	0.3061 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

Site Specific DO and pH data from CitMon Stas 7CHS-19-ALL with 3 viol / 162 obs and 0 viol / 33 obs (Level III) .

VAT-C07E_CHS02A06	Chisman Creek-Lower North Shore (Marina)	0.0901 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_CHS02B06	Chisman Creek - Lower	0.5411 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

Local data collected at Station 7-CHS000.84 DO and pH : 0 viol / 34 obs, 0 viol / 35 obs
Alliance for the Chesapeake Bay Station; 7CHS-YC1-ALL has 0 viol / 2 obs for DO and 0 viol / 2 obs for pH

VAT-C07E_EAS01A06	Easton Cove	0.0569 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_FLY01A06	Floyds Bay- Upper	0.0419 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_FLY02A16	Floyds Bay- mouth	0.01 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016- FECAL COLIFORM 0.10sq mi - C07E-26-SF (2006)

Shellfish Use is supporting based on DSS shellfish condemnation # 053-222 (effective 20140218).
Part of Floyds Bay near the mouth is now open for shellfishing. The now open area has been split from AU VAT-C07E_FLY01A06 and named VAT-C07E_FLY02A16.

The modified Poquoson River and Back Creek TMDL (55841) EPA approved 3/19/14 includes Floyds Bay.

VAT-C07E_FRT01A06	Front Cove - Upper	0.0415 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_FRT02A08	Front Cove - Lower	0.036 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_GLD01A10	Grunland Creek - Mouth	0.0484 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_GOO01A14	Goose Creek- Upper	0.0647 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_GOO02A14	Goose Creek- Lower	0.0362 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_HAR01A06	Harris River - Upper	0.1711 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_HAR02A10	Harris River - Mouth	0.1854 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_HAR02B10	Harris River - Lower Marina Area	0.053 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_HOD01A08	Hodges Creek - Upper	0.0574 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016- FECAL COLIFORM - C07E-24-SF (2006)

There is a partial delist for Hodges Creek. In 2016 all of Hodges Creek now support Shellfish Use. Merged AU VAT-C07E_HOD02A08 into VAT-C07E_HOD01A06. The new DSS shellfish condemnation # 053-137 with an effective date of 2-18-2014.

VAT-C07E_IN101A08	DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch	0.0248 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_INB01A04	DSS Inlet #2 - Unnamed Inlet S. Shore of SW Br. Back River	0.0078 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_LMC01A04	Lambs Creek - Poquoson River	0.135 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010

VAT-C07E_LMC02A16	Lambs Creek - Mouth	0.0281 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010

PARTIAL DELIST 2016 - FECAL COLIFORM 0.02 sq mi- C07E-06-SF(1998)

The Shellfish Use is supporting based on the DSS OPEN Shellfish condemnation # 053-137 (effective 20140218). There is a partial delist for Fecal Coliform for the mouth of Lambs Creek. The now open area is split from impaired segment VAT-C07E_LMC01A04.

Lambs Creek is covered under TMDL for Poquoson River - Lambs Creek [EPA approved 8/2/2006, VAT-C07E-06-SF for Fecal Coliform [31190] 8/2/2006, modified 3/19/2014.
1999 CD segment (Attachment A, Category 3) TMDL ID VAT-C07E-06.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_LON01A06	Long & Grunland Creeks - Back River	0.0965 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_LON01B12	Long & Grunland Creeks - Back River	0.0552 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_LYO01A06	Lyons Creek - Upper	0.0343 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

CitMon (PCE Level II) citizen monitoring data at,7LYO-6-PCE, 7LYO-7-PCE & 7LYO-8-PCE.

VAT-C07E_LYO02A06	Lyons Creek - Middle and Lower	0.0854 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_NEW01A02	Newmarket Creek - Upper	0.0733 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_NEW02A02	Newmarket Creek - Lower	0.079 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

Data collected at Station 7-NEW001.92 has 0 viol/ 30 obs for pH.

VAT-C07E_NWB01A06	Northwest Br. Back River - Upper [TMDL-CD]	0.2202 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria

EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_NWB01B08	Northwest Br. Back River - Upper [TMDL not CD]	0.248 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria EPA approved Chesapeake Bay TMDL 12/29/2010.

The Aquatic Life Use is impaired based on benthic community assessment at WoE ProbMon station 7-NWB002.18 sampled in 2008. The WoE station evaluated the CBP B-IBI and EMAP benthic community assessment methods which indicated severe degradation, the MAIA BIBI score marginally meets goals. Probable effects (chronic and acute) of sediment contamination - pesticides (DDT exceeded ERM), metals and PAHs.

VAT-C07E_NWB02A06	Northwest Br. Back River - Lower [DSS OPEN]	0.9607 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria

In 2014 data was collected at ProbMon WoE station 7BNWB000.82. Assessment is insufficient (comments : potential of cumulative effects of sediment metals; muddy - 68% fines.)

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_POQ01A06	Poquoson River - Upper [TMDL-CD]	0.4305 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-MOBPH-DO-BAY (2006)

The Open-Water Aquatic Life Use is now supporting the dissolved oxygen criteria for Open Water - Summer and ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_POQ02A06	Poquoson River - Lower [DSS-OPEN]	0.9105 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO-MOBPH-DO-BAY (2006)

The Open-Water Aquatic Life Use is now supporting based on meeting the dissolved oxygen criteria for Open Water - Summer& ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_POQ03A08	Poquoson River - Mouth	1.4921 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-MOBPH-DO-BAY (2006)

The Open-Water Aquatic Life Use is now supporting based on meeting the dissolved oxygen criteria for Open Water - Summer & ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_PTC01A04	Patricks Creek - Poquoson River	0.1189 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-MOBPH-DO-BAY (2006)

The Open-Water Aquatic Life Use is now supporting based on meeting the dissolved oxygen criteria for Open Water - Summer& ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_ROB01A04	Roberts Creek - Upper	0.104 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on meeting the dissolved oxygen criteria for Open Water - Summer & ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_ROB02A08	Roberts Creek - Lower [DSS-OPEN]	0.0088 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on meeting the dissolved oxygen criteria for Open Water - Summer & ROY. The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_SWB01A08	SW Br Back River - Incl Tides Mill Cr [TMDL area]	0.9936 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Local data collected at stations 7BSWB001.59 & BAK004.35 have data that support DO and pH. Benthic data collected in 2011 at Benthic ProbMon station 1.59 shows potential chronic effects of sediment metals and PAHs on benthics.

VAT-C07E_SWB01B08	SW Br Back River - Outside DSS Inlet #1 & #2 [TMDL area]	0.0439 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_SWB02A08	Southwest Br. Back River - Mouth [DSS OPEN -No TMDL]	0.2267 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_SWB02B10	SW Br Back R - DSS OPEN [TMDL]	0.4228 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.
The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria. EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_TBC01A04	Tabbs Creek - NW Br Back River	0.0537 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_TBC02A10	Tabbs Creek Mouth - NW Br Back River	0.0383 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_TBC02B14	Tabbs Creek Mouth - NW Br Back River	0.0152 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored		

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_THR01A10	Sandbox Area NW Thorofare	0.0122 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_WAL01A06	Wallace Creek - Upper (Back River)	0.0362 Square Miles	Aquatic Life	Open-Water Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_WAT01A06	Watts Creek - (NW Br. Back River)	0.0575 Square Miles	Aquatic Life	Open-Water Aquatic Life	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.
EPA approved Chesapeake Bay TMDL 12/29/2010.

PARTIAL DELIST 2016-FECAL COLIFORM - C07E-31-SF (2004)

The Shellfish Use is supported based on the newly open portion of DSS condemnation # 054-021 (effective 20140218).

Previously (2006 IR) listed as TMDL-ID: VAT-C07E-18.
Covered under TMDL for "Back River, Northwest Branch" (31201) EPA approved 8/2/2006, modified 4/24/2014.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C07E_WHH01A06	White House Cove - Bennet Cr. Area	0.1452 Square Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016-ENTEROCOCCI-C07E-09-BAC (2014)

The Recreation Use is delisted in the 2016 IR. The Recreation Use was listed as impaired in 2014 based on level II Ecoli data for stations along White House Cove collected by Poquoson Citizens for the Environment. The applicable water quality standard is Enterococci and therefore the impairment is delisted in the 2016 IR, The Recreation Use will be insufficient with an observed effect based on the high exceedance rate of the Ecoli bacteria data. Additional monitoring to provide Enterococci data is needed to make an assessment determination.

CitMon PCE Stations (Level II Ecoli data) at 7WHH-1-PCE, 7WHH-2-PCE, 7WHH-3-PCE, 7WHH-4-PCE, 7WHH-5-PCE, 7WHH-5.1-PCE, 7WHH-10-PCE& 7WHH-12-PCE. These stations have high levels of Ecoli WQS.

VAT-C07E_ZZZ01A00	Unsegmented estuaries in Back River	1.0397 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C07E_ZZZ01B12	Unsegmented estuaries in Back River - DSS	0.0968 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- MOBPH-DO-BAY(2006)

The Open-Water Aquatic Life Use is now supporting based on dissolved oxygen meeting the criteria for Open Water - Summer and Aquatic Life Use for the 30 day assessment. All MOBPH segments will be delisted for DO in the 2016 IR.

The Shallow-Water Submerged Aquatic Vegetation Use is impaired based on failure to meet the SAV acreage criteria.

EPA approved Chesapeake Bay TMDL 12/29/2010.

VAT-C08E_EBL01A06	Eastern Branch - Upper, Lynnhaven River	0.2259 Square Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016-ENTEROCOCCI-C08E-06-BAC (2004)

The Recreation Use is now supported based on data at station 7-EBL002.54 (2 violates / 23 obs.) of the criteria for Enterococcus bacteria. Previously (2006 IR) User Flag ID as VAT-C08E-06. A TMDL for Shellfishing Use has been completed and EPA approved in 2004 (VAT-C08E-13) which includes the Recreation Use under TMDL ID VAT-C08E-06.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-C08L_LTR01A08	Little Creek Reservoir - (PWS)	199.79 Acres	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO-C08L-03-DO (2006)

The Aquatic Life Use DO impairment is delisted in 2016. The dissolved oxygen concentrations as reported by observations pooled for 7-LTR000.04, 7-LTR000.95 and LC1 (7 viol / 78 obs = 9%) sampled during the current cycle. Individual station observations include 7-LTR000.04 (3 viol / 34 obs), 7-LTR000.95 (2 viol /26 obs) and LC1 (2 viol / 18 obs).

Little Creek is impaired for nutrients. Both Chla and TP do not support ALUS. Little Creek Reservoir pooled nutrients results: 2 viol / 2 obs Chla & TP 201, 2014 (IM); Both TP and Chla assessed since algaecide was applied during the monitoring year.

The pH observations are supporting for the Aquatic Life Use. pH was delisted in 2008.

VAT-C10E_MES02A06	Messongo Creek - Middle [TMDL-06]	0.1131 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016-FECAL COLIFORM- C10E-17-SF(1998)

The Shellfish Impairment is delisted in the 2016 IR based on the DSS shellfish direct harvesting condemnation # 076-167 (effective 20130809) which is now OPEN. Therefore Messongo Creek is now supporting Shellfish Use. This segment was included in the EPA approved TMDL for Messongo Creek 6/7/2006. The shellfish fecal coliform impairment was a 1998 CD segment.

VAT-C11E_PRK01A08	Parkers Creek - Upper	0.0348 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- FECAL COLIFORM- C11E-20-SF (2008)

The Shellfishing Use impairment is delisted in the 2016 IR. The SF use is now supporting based on the DSS shellfish direct harvesting condemnation # 080-013 (effective 20131120).
No TMDL.

VAT-D03E_FLL01A08	Folly Creek - Upper & Middle	0.3757 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016- FECAL COLIFORM-D03E-04-SF(1998)

The Shellfish Use is now supporting based on the DSS shellfish condemnation # 097-173 (effective date 20140707). Merged VAT-D03E_FLL02A08 with this AU since now both segments (Upper and Middle) are supporting Shellfish Use.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-D03E_FNC02A06	Finney Creek - Lower	0.2549 Square Miles	Shellfishing	

Delisting Summary:

DELIST 2016-FECAL COLIFORM-D03E-14-SF (2010)

The Shellfish Use is supported based on the DSS Condemnation # 097-219(effective date 20130905). The Shellfish impairment is delisted in the 2016 IR.

Finney Creek' shellfish impairment has fluctuated through the last 4 assessment reports. In 2010 Finney Creek was listed for Shellfish impairment then in 2012 it was delisted (D03E-13-SF).In 2014 IR the segment was relisted and now in the 2016 IR the shellfish use is again delisted based on 2013 shellfish effective date.

VAT-D03E_NCK01A16	Nickawampus Creek	0.0313 Square Miles	Shellfishing	

Delisting Summary:

DELIST 2016 - FECAL COLIFORM - D03E-14-SF (2010)

The Shellfishing Use is now supporting based on the DSS shellfish condemnation # 097-219 effective date 20130905. Shellfish Condemnation is for Finney, Folly and Nickawampus Creeks.

VAT-D03R_GAR01A02	Gargathy Creek	2.83 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016-BENTHICS- D03R-02-BEN (2002)

The Aquatic Life Use is now supporting based on the data collected at station 7-GAR006.01. The VCPMI scores shows seasonal effects, the station has good fall scores and fair spring scores. The station is delisted because the final 2 and 6 year averages are meeting the VCPMI scores with the most recent scores ranked as Good. VCPMI at station 7-GAR006.01 [FS_2010: S=21.4, F=51.2 2012: F=56.5 2013: F= 58.8 2014: S=- 21.7].

Both pH and DO are maintained as supporting with 0 viol / 2 obs.

VAT-D04E_RBC02A08	Red Bank Creek - Middle & Lower	0.0293 Square Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016-DO- D04E-01-DO (2008)

The Aquatic Life is fully supported based on DO data collected at station 7-RBC002.06 with 0 viol / 10 obs. Previous impairment for DO was associated with merged AUs, VAT-D04E_RBC03A08 and VAT-D04E_RBC04A08. DO was first listed in 2008.

DELIST 2016-FECAL COLIFORM- D04E-01-BAC (2008)

The Recreation Use is delisted in 2016. The Recreation Use is now supporting based on data collected at station 7-RBC002.06 with 0 viol / 10 obs for Enterococci.

VAT-D04R_RBC01A04	Red Bank Creek	1.36 Miles	Recreation	

Delisting Summary:

PARTIAL DELIST 2016-ECOLI-D04R-01-BAC (2004)

The Recreation Use is delisted in 2016 based current E.coli bacteria data has 1 viol / 16 obs at station 7-RBC003.87.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

Chesapeake Bay/Atlantic/Small Coastal Basins

VAT-D05E_OSS01A00	Oyster Slip (Harbor) - Upper	0.0341 Square Miles	Shellfishing

Delisting Summary:

PARTIAL DELIST 2016-FECAL COLIFORM-D05E-01-SF(1998)

The Shellfish Use is a partial delist. Now in 2016 IR upper oyster harbor is a seasonal condemnation rather than a full restricted area and therefore supporting shellfish use with an observed effect. DSS shellfish direct harvesting condemnation # 094-12 M1 (effective 2014-02-26). Oyster Harbor is within the Oyster Harbor Fecal Coliform TMDL for Shellfish impairments EPA approved 6/19/2009.

VAT-D06R_TOM01A08	Tommy's Ditch	1.44 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016- DO- D06R-03-DO (2008)

The Aquatic Life Use is now supporting based on DO from station 7-TOM001.73 with 1 viol / 15 obs. The previous assessment in 2014 was retained with 1 viol / 4 obs. pH is supporting ALUS with 0 viol /15 obs.

VAT-D07E_LAE01A06	Lake Wesley - Upstream Branches	0.0341 Square Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 -DO- D07E-10-DO(2012)

The ALUS impairment is delisted in 2016. Data from station 7-LAE000.20 now has 0 viol / 6 obs and Station 7LAE-7-VAMSC monitored by Virginia Aquarium and Marine Science Center supports DO with 0 viol / 13 obs. The 2012 IR DO impairment was based on 3 viol / 16 obs. Most impairments were associated with 2005 data. Current data within 2014 IR is 0 viol / 6 obs. Both Station 7-LAE000.20 and 7LAE-7-VAMSC support pH with 0 viol / 6 obs and 0 viol/ 43 obs.

1998 CD segment for DO (Attachment A, Category 1, Part 2) VAT-D07E-01 [DELISTED 2004].

VAT-D07E_OWL02A02	Owl Creek - Lower	0.0194 Square Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016-DO-D07E-04-DO (2008)

The Aquatic Life Use impairment is delisted in the 2016 IR with no DO violations out of 6 obs. at DEQ station @ 7-OWL000.01 based on Class II 4mg/L water quality standard. pH is supporting with 0 viol / 6 obs.

CitMon data collected at station 7OWL-01-VAMSC 1 viol / 63 obs for DO and pH 0 viol / 633 obs.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

York River Basin

VAN-F01R_HUD01A04	Hudson Creek	3.61 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Dissolved Oxygen - F01R-01-DO (CFL 2012)

During the 2014 cycle, this segment was assessed as not supporting the aquatic life use because of excursions below the minimum dissolved oxygen criterion (2 of 10 samples - 20.0%) recorded at DEQ's ambient water quality monitoring station (8-HUD001.80) at the Route 695 (Hamilton Road) crossing. Additional dissolved oxygen monitoring at this location found that 2 of 20 samples (10.0%) are below the minimum dissolved oxygen criterion. It has been determined that this segment should be delisted based on an acceptable excursion rate.

VAN-F01R_SAR01A02	South Anna River	7.95 Miles	Recreation

Delisting Summary:

DELIST 2016 - Fecal Coliform- F01R-01-BAC, VAN-F01R-01 (CFL 2006)

Since the 2006 assessment cycle, this segment was assessed as not supporting the recreation use because of excursions of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 57.1%) recorded at DEQ's ambient water quality monitoring station 8-SAR096.83 at the Route 15 bridge. Subsequent E. coli bacteria monitoring has been conducted in 2013 at probabilistic ambient monitoring station 8-SAR093.47 at Route 22. This monitoring found that 1 of 12 samples (8.3%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for fecal coliform based upon an acceptable exceedance rate of E. coli bacteria samples.

Note: During the 2016 delisting process, it was determined that the 2006 fecal coliform impairment listing information was inaccurate. It was determined that there were a total of seven fecal coliform samples collected during the 2006 assessment period. However, three of those samples were not valid because they failed quality control. The impairment should have been based on excursions of the instantaneous fecal coliform bacteria criterion (3 of 4 samples - 75.0%) recorded at DEQ's ambient water quality monitoring station 8-SAR096.83 at the Route 15 bridge.

VAN-F03R_OWN01A04	Owens Creek	2.71 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - F03R-05-BAC, VAN-F03R-01 (CFL 2010)

During the 2012 and 2014 cycles, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (2 of 18 samples - 11.1%) recorded at DEQ's ambient water quality monitoring station 8-OWN000.48 at the Route 663 bridge crossing. Additional bacteria monitoring at this location found that 0 of 12 samples (0.0%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

VAN-F09R_NST01A08	Northeast Creek	2.86 Miles	Recreation

Delisting Summary:

DELIST 2016 - E. coli - F09R-03-BAC, VAN-F09R-01 (CFL 2006)

During the 2010, 2012, and 2014 cycles, this segment was assessed as not supporting the recreation use because of excursions from the maximum E. coli bacteria criterion (3 of 12 samples - 25.0%) recorded at DEQ's ambient water quality monitoring station 8-NST000.58 at a private road crossing. Additional bacteria monitoring at this location found that 0 of 2 samples (0.0%) exceed the maximum E. coli bacteria criterion. It has been determined that this segment should be delisted for E. coli based upon an acceptable exceedance rate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

York River Basin

VAN-F09R_NST03A08	Northeast Creek	6.36 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - F09R-01-DO (CFL 2008)

During the 2012 and 2014 cycles, this segment was assessed as not supporting the aquatic life use because of excursions below the minimum dissolved oxygen criterion (2 of 7 samples - 28.6%) at the Route 614 bridge (8-NST007.84). Additional monitoring has been conducted at this location and found that a total of 1 of 11 samples (9.1%) were less than the dissolved oxygen criterion. It has been determined that this segment should be delisted for dissolved oxygen based upon an acceptable excursion rate.

VAN-F09R_NST04A08	Northeast Creek	3.52 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - F09R-01-DO (CFL 2008)
PARTIAL DELIST 2016 - pH - F09R-02-PH (CFL 2008)

During the 2012 and 2014 cycles, this segment was assessed as not supporting the aquatic life use because of excursions below the minimum dissolved oxygen criterion (2 of 18 samples - 11.1%) at the Route 208 bridge (8-NST011.67). Additional monitoring conducted at this location found that a total of 0 of 22 samples (0.0%) were less than the minimum dissolved oxygen criterion. It has been determined that this segment should be delisted for dissolved oxygen based upon an acceptable excursion rate.

During the 2012 and 2014 cycles, this segment was assessed as not supporting the aquatic life use because of excursions below the lower limit of the pH criterion range (3 of 18 samples - 16.6%) at the Route 208 bridge (8-NST011.67). Additional monitoring conducted at this location found that a total of 1 of 23 samples (4.3%) is below the lower limit of the pH criterion range. It has been determined that this segment should be delisted for pH based upon an acceptable exceedance rate.

VAN-F10R_LTL01A02	Little River	4.17 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - DO - F10R-01-DO (CFL 2006)

During the 2014 cycle, this segment was assessed as not supporting the aquatic life use because of excursions below the minimum dissolved oxygen criterion (5 of 32 samples - 15.6%) at the Route 654 bridge (8-LTL030.55). Additional monitoring conducted at this location found that a total of 3 of 33 samples (9.1%) were less than the dissolved oxygen criterion. It has been determined that this segment should be delisted for dissolved oxygen based upon an acceptable excursion rate.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

York River Basin

VAP-F13R_TPT01A98	Totopotomoy Creek	10.26 Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - pH - F13R-02-PH (CFL 2004)

In the 2004 cycle, Totopotomoy Creek from Strawhorn Creek to its mouth was assessed as not supporting the Aquatic Life Use due to pH exceedances at 8-TPT004.37. Although monitoring at NPS station 8-TPT-RICH-05-NPS was acceptable (0/4) during the 2012 cycle, no additional data was collected at 8-TPT004.37 therefore the segment remained listed.

A Natural Conditions Assessment was conducted during the 2014 cycle. The report attributes the pH violations to natural conditions and recommends that the entire mainstem of Totopotomoy Creek be reclassified as Class VII swampwater. Until the WQS can be revised, the impairment was considered Category 4C.

Additional monitoring was conducted at multiple stations in the segment in the 2016 cycle. pH was acceptable at all of the monitoring stations (see below); therefore, the segment will be delisted for pH.

8-TPT000.79 - 0/25
8-TPT004.37 - 0/13
8-TPT006.97 - 0/13
8-TPT009.17 - 0/13
8-TPT-TOTC1-ACB - 1/11
8-TPT-RICH-05-NPS - 0/17

VAP-F14E_ZZZ02A06	Unsegmented estuaries in F14	0.2646 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen 0.2646 mi2 - PMKOH-DO-BAY (CFL 2014)

The Pamunkey River oligohaline estuary failed the Open Water Subuse's summer 30-day mean dissolved oxygen criteria during the 2014 cycle. The TMDL was approved by the EPA on 12/29/2010, therefore the entire estuary is impaired for dissolved oxygen (Category 4A).

In the 2016 cycle, the Pamunkey Oligohaline segment was again in attainment of every Chesapeake Bay dissolved oxygen criteria which was measured. However, EPA considers there to insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, and therefore the mainstem must remain impaired due to EPA's overlisting (Category 4D). The tributaries to the segment will be partially delisted (Category 2C.)

VAP-F14E_ZZZ02B06	Unsegmented estuaries in F14	0.0602 Square Miles	Aquatic Life	Open-Water Aquatic Life

Delisting Summary:

DELIST 2016 - Dissolved Oxygen 0.0602 mi2 - PMKOH-DO-BAY (CFL 2014)

The Pamunkey River oligohaline estuary failed the Open Water Subuse's summer 30-day mean dissolved oxygen criteria during the 2014 cycle. The TMDL was approved by the EPA on 12/29/2010, therefore the entire estuary is impaired for dissolved oxygen (Category 4A).

In the 2016 cycle, the Pamunkey Oligohaline segment was again in attainment of every Chesapeake Bay dissolved oxygen criteria which was measured. However, EPA considers there to insufficient information to assess the Migratory Spawning Use or the other Open Water Use's dissolved oxygen frequency criteria, and therefore the mainstem must remain impaired due to EPA's overlisting (Category 4D). The tributaries to the segment will be partially delisted (Category 2C.)

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored	

York River Basin

VAP-F23E_MPN02A98	Mattaponi River	0.1593 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - pH - F23E-01-PH / 00654 / VAP-F23E-01 (CFL 1998)

The Mattaponi River from the tidal limit near Aylett downstream to Garnetts Creek was assessed in 1998 as impaired of the Aquatic Life Use due to pH exceedances.

During the 2006 cycle, the "Natural Conditions Assessment for Low pH, Mattaponi River" was completed. It recommends that the Mattaponi River from Maracossic Creek downstream to Garnetts Creek be reclassified as Class VII swampwaters. The segment was assessed as Cat 4C.

In the 2016 cycle, the pH exceedance rate was acceptable (4/47 at 8-MPN039.10, 1/210 at 8-MPN029.08, and 0/12 at 8-MPN034.33); therefore, the segment will be delisted.

VAP-F23E_MPN03A06	Mattaponi River	1.7563 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - pH - F23E-01-PH / 00654 / VAP-F23E-01 (CFL 1998)

The Mattaponi River from the tidal limit near Aylett downstream to Garnetts Creek was assessed in 1998 as impaired of the Aquatic Life Use due to pH exceedances.

During the 2006 cycle, the "Natural Conditions Assessment for Low pH, Mattaponi River" was completed. It recommends that the Mattaponi River from Maracossic Creek downstream to Garnetts Creek be reclassified as Class VII swampwaters. The segment was assessed as Cat 4C.

In the 2016 cycle, the pH exceedance rate was acceptable (4/47 at 8-MPN039.10, 1/210 at 8-MPN029.08, and 0/12 at 8-MPN034.33); therefore, the segment will be delisted.

VAP-F24E_MPN03A98	Mattaponi River	1.3842 Square Miles	Aquatic Life	

Delisting Summary:

PARTIAL DELIST 2016 - pH - F24E-01-PH (CFL 2014)

During the 2014 cycle, the Mattaponi River from Garnetts Creek downstream to the oligohaline boundary was considered impaired of the Aquatic Life Use due to a pH exceedance rate of 4/35 at 8-MPN017.46. All other stations were acceptable.

The exceedance rate fell to 0/36 in the 2016 cycle; therefore, the segment will be delisted.

VAT-F26R_FRS02A10	France Swamp (Middle Downstream)	0.88 Miles	Aquatic Life	Recreation

Delisting Summary:

DELIST 2016 - DO - F26R-03-DO (2010)

The Aquatic Life Use is fully supporting based on DO data at monitoring station @ 8-FRS001.17 with 0 viol/ 12 obs.

DELIST 2016 - ECOLI - F26R-03-BAC (2010)

The Recreation Use is fully supporting based on E.coli bacteria instantaneous criteria (0 viol/ 11 obs) at monitoring station @ 8-FRS001.17.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.

Waters Identified for Delisting Since 2014 Report

Assessment Unit ID	Waterbody Name	Size	Uses Partially / Fully Restored

New River Basin

VAS-N10R_GLN01A04	Gullion Fork	3.54 Miles	Recreation

Delisting Summary:

DELIST 2016 - E.coli - N11R-01-BAC (2012)
8% of E. Coli samples exceeded WQS.

VAS-N10R_RDC01A02	Reed Creek	5.23 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - TEMP - N10R-02-TEMP (2012)
No samples exceeded WQS.

VAS-N31R_HCC01A00	Hunting Camp Creek	8.93 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - TEMP - N31R-01-TEMP (2006)
No temperature measurements exceeded WQS at 9-HCC005.57.

9-HCC000.16 has shown steady decline in VSCI scores.
VSCI @ 9-HCC000.16:
10/13/2011 58.31
05/05/2011 61.71
10/28/2008 68.21
04/16/2008 65.41
VSCI @ 9-HCC007.83: VSCI:
10/13/2011 57.23
05/05/2011 64.04.
No exceedance was detected for DO, pH, NH3.

VAW-N23R_SNK01B10	Sinking Creek	3.03 Miles	Aquatic Life

Delisting Summary:

PARTIAL DELIST 2016 - Temperature 3.03 miles - VAW-N23R-01 / N23R-01-TEMP (2010)
The waters are delisted based on data collections at station 9-SNK005.38 (Route 778 Bridge - Giles County). 9-SNK005.38 2016 IR temperature data produce results with no excursions of the Class V Stockable Trout Waters WQS 21°C from 12 observations. The 2016 IR reports an exceedance rate of 0% which is less than 10.5% indicating full support of the Aquatic Life Use.

NOTE: Partial delists indicate at least one other pollutant exists on the Assessment Unit (AU). If "PARTIAL" is not specified in the delist statement, the AU is supporting all assessed Uses.