F.7 Category 5 Waters

Maryland's 2018 Final Integrated Report - Category 5 Waters

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2002	MD-CB1TF-02120201 Lower Susquehanna River	CE, HA	Fishing Tidal subsegment	PCBs in Fish Tissue	Direct Measurement Contaminated Sediments	High This listing only applies to the tidal Lower Susquehanna portion (02120201) of CB1TF.	Yes
2014	MD-021202010319-Rock_Run2 Lower Susquehanna River	CE	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
2014	MD-021202010319-Rock_Run1 Lower Susquehanna River	CE	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
2002	MD-02120201-Non-mainstem Lower Susquehanna River	CE, HA	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low	No
2014	MD-021202020330-Deer_Creek3 Deer Creek	HA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and few coldwater obligate taxa were found.	No
2014	MD-021202020331-Big_Branch1 Deer Creek	HA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
2014	MD-021202020331-Big_Branch2 Deer Creek	HA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2014	MD-021202020330-Deer_Creek1	HA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Deer Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021202020330-Deer_Creek2	HA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Deer Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021202030344-Basin_Run2	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Octoraro Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021202030344-UTBasin_Run	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Octoraro Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021202030344-Basin_Run1	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Octoraro Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and few coldwater obligate taxa were found.	
2018	MD-02120204-Conowingo_Reservoir	CE, HA	Public Water Supply	Phosphorus, Total	Chlorophyll a	Low	No
	Conowingo Dam Susquehanna River		Impoundments		Source Unknown	Recent data demonstrates a phosphorus impairment throughout the Conowingo Reservoir.	
2008	MD-02120204-Conowingo_Reservoir	CE, HA	Fishing	PCBs in Fish Tissue	Direct Measurement	High	Yes
	Conowingo Dam Susquehanna River		Impoundments		Source Unknown	This assessment applies to the impounded portion of the Susquehanna behind Conowingo Dam.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-021202050340-Deep_Run	HA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Broad Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-02130105	WO	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	High	Yes
	Newport Bay		1st thru 4th order streams		Source Unknown	Low sample size (n=4) but all stations exhibit impairment.	
2008	MD-POCOH-TF-02130202	WO, SO	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	Yes
	Lower Pocomoke River		Tidal subsegment		Contaminated Sediments	This listing only applies to the Lower Pocomoke River (02130202) watershed	
2004	MD-02130202	WO, SO	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Lower Pocomoke River		1st thru 4th order streams		Source Unknown		
2012	MD-TANMH	DO, SO	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	TANMH - Tangier Sound Mesohaline		Chesapeake Bay segment		Source Unknown		
2018	MD-BIGMH-BigAnnemessex_River	SO	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	BIGMH - Big Annemessex River Mesohaline		Tidal Shellfish Area		Source Unknown	Recently collected data led to this area to be classified as restricted.	
2014	MD-WICMH-Ellis_Bay	WI	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	WICMH - Wicomico River Mesohaline		Tidal Shellfish Area		Source Unknown	Station 1406206 does not meet shellfish harvesting water quality standards.	
2008	MD-WICMH-02130301	WI, SO	Fishing	PCBs in Fish Tissue	Direct Measurement	High	No
	Lower Wicomico River		Tidal subsegment		Contaminated Sediments	New white perch data shows low levels but older channel catfish data still driving the impaired assessment. This listing only applies to the Lower Wicomico River (02130301) watershed	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02130301	WI, SO	Aquatic Life and Wildlife	Phosphorus, Total	Direct Measurement	Low	No
	Lower Wicomico River		1st thru 4th order streams	80%	Agriculture	The Biostressor analysis indicates that total phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2016	MD-02130305	CA, DO, WI	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Nanticoke River		1st thru 4th order streams	22%	Agriculture	The Biostressor analysis indicated that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2008	MD-NANMH-OH-TF-02130305	DO, WI	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	No
	NANMH - Lower Nanticoke River Mesohaline		Chesapeake Bay segment		Contaminated Sediments		
2012	MD-02130306	CA, DO	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	High	Yes
	Marshyhope Creek		1st thru 4th order streams	32%	Agriculture	The Biostressor analysis indicated that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2012	MD-02130308	DO	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Transquaking River		1st thru 4th order streams	59%	Agriculture	The Biostressor analysis indicates that excess sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-HNGMH-Great_Marsh_Creek	DO	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	HNGMH - Honga River Mesohaline		Tidal Shellfish Area		Source Unknown	Station 1401030A does not meet shellfish harvesting water quality standards.	
2012	MD-CHOMH2-Jenkins_Creek	DO	Shellfishing	Fecal Coliform	Direct Measurement	Medium	No
	Lower Choptank River		Tidal Shellfish Area		Source Unknown	New data shows shellfish harvesting bacteria standards being exceeded.	

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2012	MD-CHOMH1-Broad_Creek-1 Lower Choptank River	TA	Shellfishing Tidal Shellfish Area	Fecal Coliform	Direct Measurement Source Unknown	Low The impaired portion of Broad Creek is now only listed as the headwaters as station 0807001 is meeting water quality standards.	No
2012	MD-CHOMH1-Edge_Creek Lower Choptank River	TA	Shellfishing Tidal Shellfish Area	Fecal Coliform	Direct Measurement Source Unknown	Medium	No
2012	MD-02130403 Lower Choptank River	TA, DO, CA	Aquatic Life and Wildlife 1st thru 4th order streams	Total Suspended Solids (TSS) 79%	Habitat Evaluation Agriculture	High The Biostressor analysis indicates that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	Yes
2012	MD-02130403 Lower Choptank River	TA, DO, CA	Aquatic Life and Wildlife 1st thru 4th order streams	Phosphorus, Total 84%	Direct Measurement Agriculture	Low The Biostressor analysis indicates that excess phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2018	MD-CHOMH1-Cummings_Creek-2 Lower Choptank River	TA	Shellfishing Tidal Shellfish Area	Fecal Coliform	Direct Measurement Source Unknown	Low This portion of the previous fecal coliform listing for Cummings_Creek was separated because this station is failing to meet the shellfish harvesting criteria. The other portion of Cummings Creek is meeting the shellfish harvesting criteria.	No
2016	MD-CHOMH1-Black_Walnut_Cove Lower Choptank River	TA	Shellfishing Tidal Shellfish Area	Fecal Coliform	Direct Measurement Source Unknown	Low Recent data shows that the shellfish harvesting criteria are not being met.	No
2008	MD-CHOMH1-2-02130403 CHOMH2 - Lower Choptank River Mesohaline 2	TA, DO	Fishing Tidal subsegment	PCBs in Fish Tissue	Direct Measurement Contaminated Sediments	Medium New white perch data shows low levels but older channel catfish data still driving the impaired assessment.	No

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-CHOOH-TF-02130404	CA, TA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	CHOOH - Choptank River Oligohaline		Tidal subsegment		Source Unknown	New data for white perch and channel catfish show PCB levels above the impairment threshold.	
2012	MD-02130404	TA, QA, CA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	High	Yes
	Upper Choptank River		1st thru 4th order streams	70%	Agriculture	The Biostressor analysis indicates that excess sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2012	MD-EASMH	QA, TA	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	EASMH - Eastern Bay Mesohaline		Chesapeake Bay segment		Source Unknown		
2014	MD-02130502	TA	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Miles River		1st thru 4th order streams		Source Unknown	Watershed has a low sample size (n=5) but 3 sites show evidence of impairment.	
2014	MD-CB3MH-Rock_Hall_Harbor	KE	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	CB3MH - Upper Chesapeake Bay Mesohaline		Tidal Shellfish Area		Source Unknown	Station 0202010 does not meet shellfish harvesting water quality standards.	
2014	MD-CHSMH-OH-02130505	KE, QA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	Lower Chester River		Tidal subsegment		Source Unknown	Recent White Perch data shows equivocal results. Additional White Perch and Channel Catfish needed from this waterbody.	
2014	MD-CB3MH-Swan_Creek	KE	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	CB3MH - Upper Chesapeake Bay Mesohaline		Tidal Shellfish Area		Source Unknown	Station 0202005 does not meet shellfish harvesting water quality standards.	
2014	MD-02130507	QA	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Corsica River		1st thru 4th order streams		Source Unknown	Round 3 data causes this watershed to barely exceed the threshold for impairment.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02130509	KE, QA	Aquatic Life and Wildlife	Phosphorus, Total	Direct Measurement	High	Yes
	Middle Chester River		1st thru 4th order streams	79%	Agriculture	The Biostressor analysis indicates that total phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-CHSOH-02130509	KE, QA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	Yes
	Middle Chester River		Tidal subsegment		Source Unknown	New white perch and channel catfish data demonstrated impairment in this waterbody segment.	
2012	MD-02130510	KE, QA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	High	Yes
	Upper Chester River		1st thru 4th order streams	33%	Agriculture	The Biostressor analysis indicates that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-ELKOH	CE	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	ELKOH - Elk River Oligohaline		Chesapeake Bay segment		Source Unknown		
2014	MD-02130605	CE	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Little Elk Creek		1st thru 4th order streams		Source Unknown		
2014	MD-021306090380-Principio_Creek1	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021306090380-UTPrincipio_Creek3	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021306090380-UTPrincipio_Creek2	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021306090380-UTPrincipio_Creek1	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021306090380-Principio_Creek3	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021306090380-UTPrincipio_Creek4	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021306090380-Principio_Creek2	CE	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Furnace Bay		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-02130701	HA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Bush River		1st thru 4th order streams	95%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2002	MD-BSHOH	HA	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	No
	BSHOH - Bush River Oligohaline		Tidal subsegment		Contaminated Sediments	The area assessed as impaired for PCBs does not include Romney Creek as no fish tissue data has yet been collected there and it is hydrologically not connected to Bush River proper.	
2014	MD-02130701	HA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Bush River		1st thru 4th order streams	31%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that TSS is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02130701 Bush River	HA	Aquatic Life and Wildlife 1st thru 4th order streams	Sulfate 58%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2002	MD-02130702 Lower Winters Run	HA	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low	No
2002	MD-02130703 Atkisson Reservoir	HA	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low	No
2014	MD-021307041131-UTBynum_Run Bynum Run	HA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
1996	MD-CB1TF-02130705 Aberdeen Proving Ground	HA	Aquatic Life and Wildlife Tidal subsegment	Toxicity	Direct Measurement Source Unknown	Medium This listing only applies to the tidal Aberdeen Proving Grounds (02130705) portion of CB1TF.	Yes
2014	MD-02130705 Aberdeen Proving Ground	HA	Aquatic Life and Wildlife 1st thru 4th order streams	Phosphorus, Total 90%	Fish and Benthic IBIs Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that total phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-02130706 Swan Creek	HA	Aquatic Life and Wildlife 1st thru 4th order streams	Phosphorus, Total 47%	Fish and Benthic IBIs Anthropogenic Land Use Changes	Low The Biostressor analysis indicates that phosphorus is a major stressor affecting biological integrity in this watershed. This listing addresses a portion of the biological listing and therefore replaces it on the list.	No

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02130706	HA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Swan Creek		1st thru 4th order streams	61%	Anthropogenic Land Use Changes	The Biostressor analysis indicates that excess sediment is a major stressor affecting biological integrity in this watershed. This listing addresses a portion of the biological listing and therefore replaces it on the list.	
2016	MD-GUNOH-Seneca_Creek	BA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	Yes
	Gunpowder River		Tidal subsegment		Source Unknown	This assessment only applies to Seneca Creek.	
2012	MD-02130802	BA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Lower Gunpowder Falls		1st thru 4th order streams	45%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2012	MD-02130802	BA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Lower Gunpowder Falls		1st thru 4th order streams	46%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02130803	BA	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Bird River		1st thru 4th order streams		Source Unknown	Additional data provided by Baltimore County used to assess as impaired.	
2014	MD-021308040298-LittleGunpowder_Falls1	HA, BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Gunpowder Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021308040299-Yellow_Branch	HA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Gunpowder Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021308040299-Nelson_Branch	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Gunpowder Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021308040298-LittleGunpowder_Falls2	HA, BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Gunpowder Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021308040298-UTLittleGunpowder_Falls	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Gunpowder Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021308050302-Baisman_Run	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Loch Raven Reservoir		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-02130805	BA, CR	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Loch Raven Reservoir		1st thru 4th order streams	26%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02130805	BA, CR	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Loch Raven Reservoir		1st thru 4th order streams	23%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02130805	BA, CR	Aquatic Life and Wildlife	Phosphorus, Total	Direct Measurement	Low	No
	Loch Raven Reservoir		1st thru 4th order streams	45%	Agriculture	The Biostressor analysis indicates that total phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021308050309-FirstMine_Branch	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Loch Raven Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021308050309-Little_Falls	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Loch Raven Reservoir		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021308060314-Murphy_Run	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Prettyboy Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021308060316-UTGunpowder_Falls	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Prettyboy Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and few coldwater obligate taxa were found.	
2006	MD-MIDOH-02130807	BA	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	Yes
	Middle River - Browns		Tidal subsegment		Contaminated Sediments	This listing only applies to the Middle River (02130807) portion of MIDOH.	
2012	MD-02130901	BA, BC	Aquatic Life and Wildlife	Chloride	Direct Measurement	High	Yes
	Back River		1st thru 4th order streams	83%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2012	MD-02130901	BA, BC	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Back River		1st thru 4th order streams	96%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2004	MD-PATMH	AA, BA, BC	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	PATMH - Patapsco River Mesohaline		Chesapeake Bay segment		Source Unknown		
1998	MD-PATMH-Northwest_Branch	BC	Aquatic Life and Wildlife	Lead in sediment	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown	WQA approved January 18, 2005 for the Inner Harbor/Northwest Branch. However, results were deemed inconclusive. Additional study is warranted. This assessment was based on lead levels in the sediment.	
2010	MD-PATMH-MiddleBranch_NorthwestHarbor	BC	Water Contact Sports	Enterococcus	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown	This listing applies to all tidal waters upstream of Harbor Tunnel.	
2012	MD-02130903-Stansbury_Pond	BA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	Baltimore Harbor Watershed		Impoundments		Source Unknown		
2014	MD-02130903	AA, BA, BC	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Fish and Benthic IBIs	High	Yes
	Baltimore Harbor		1st thru 4th order streams	59%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sediment is a major stressor affecting biological integrity in this watershed. This listing, along with others, replace the biological listing.	
2014	MD-02130903	AA, BA, BC	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Baltimore Harbor		1st thru 4th order streams	79%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing, along with others, replace the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02130903	AA, BA, BC	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Baltimore Harbor		1st thru 4th order streams	29%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing, along with others, replace the biological listing.	
1998	MD-PATMH-Northwest_Branch	BC	Aquatic Life and Wildlife	Zinc in sediment	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown	WQA completed January 18, 2005 for Inner Harbor/Northwest Branch. However, results were deemed inconclusive. Additional study is warranted.	
1998	MD-PATMH-Bear_Creek	BA	Aquatic Life and Wildlife	Zinc in sediment	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown	WQA completed January 18, 2005 for the Inner Harbor/Northwest Branch and Bear Creek. However, results were deemed inconclusive. Additional study is warranted.	
1998	MD-PATMH-CURTIS_BAY_CREEK	AA, BC	Aquatic Life and Wildlife	Zinc in sediment	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown		
1998	MD-PATMH-Middle_Harbor	BC	Aquatic Life and Wildlife	Zinc in sediment	Direct Measurement	High	Yes
	PATMH - Patapsco River Mesohaline		Tidal subsegment		Source Unknown	This listing only applies to the Middle Harbor (not Middle Branch) portion of PATMH. Area roughly starts at Fort McHenry and continues downstream to a line from Sparrows Point to Stoney Creek. Note: Size was corrected in 2016.	
2016	MD-02130904-Mainstem_upper	BA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	Jones Falls		River Mainstem		Source Unknown	This assessment record applies to the Jones Falls upstream of Lake Roland.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021309041036-Slaughterhouse_Branch	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Jones Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309041036-UTJones_Falls	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Jones Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2010	MD-02130904	BA, BC	Aquatic Life and Wildlife	Chloride	Direct Measurement	High	Yes
	Jones Falls		Non-tidal 8-digit watershed	95%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-02130904	BA, BC	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Jones Falls		Non-tidal 8-digit watershed	56%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-021309041036-DippingPond_Run	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Jones Falls		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-021309041036-NBranchJones_Falls	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Jones Falls		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021309041036-UTNBranch_Jones_Falls	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Jones Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021309051045-UTRed_Run2	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Gwynns Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2016	MD-02130905-Mainstem	BA, BC	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	Gwynns Falls		River Mainstem		Source Unknown	New data demonstrates impairment.	
2014	MD-021309051045-UTRed_Run1	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Gwynns Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309051045-Red_Run	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Gwynns Falls		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2010	MD-02130905	BA, BC	Aquatic Life and Wildlife	Chloride	Direct Measurement	High	Yes
	Gwynns Falls		Non-tidal 8-digit watershed	76%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-02130906	AA, BA, BC, HO, CR	Aquatic Life and Wildlife	Chloride	Direct Measurement	High	Yes
	Patapsco River Lower North Branch		Non-tidal 8-digit watershed	78%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-02130906	AA, BA, BC, HO, CR	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Patapsco River Lower North Branch		Non-tidal 8-digit watershed	79%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2012	MD-02130907 Liberty Reservoir	BA, CR	Aquatic Life and Wildlife 1st thru 4th order streams	Chloride 55%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2018	MD-021309071057-Beaver_Run Liberty Reservoir	CR	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	No
2018	MD-021309071050-Joe_Branch Liberty Reservoir	CR	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	No
2014	MD-021309071048-GlenFalls_Run Liberty Reservoir	BA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and few coldwater obligate individuals were found.	Yes
2014	MD-021309071048-Keysers_Run Liberty Reservoir	BA	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	Yes
2014	MD-021309071046-Snowdens_Run Liberty Reservoir	CR	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	Yes
2014	MD-021309071055-LittleMorgan_Run Liberty Reservoir	CR	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature 	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	Yes

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2014	MD-021309071046-Locust_Run2	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071046-Locust_Run1	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071059-EastBNBranch_Patapsco_River	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071046-CarrollHighlands_Run	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071059-UTEBNBranch_Patapsco_River	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071048-Timber_Run	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309071046-Locust_Run3	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021309071046-UTLocust_Run	BA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Liberty Reservoir		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and few coldwater obligate individuals were found.	
2014	MD-021309081029-UTMiddle_Run	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021309081023-Piney_Run1	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Dam or Impoundment	Restoration efforts currently underway to improve riparian buffer, remove low-head dams, and potentially retrofit reservoir discharge.	
2014	MD-021309081023-Piney_Run2	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Dam or Impoundment	Restoration efforts currently underway to improve riparian buffer, remove low-head dams, and potentially retrofit reservoir discharge.	
2018	MD-021309081025-SBranchPatapsco_River1	HO	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2002	MD-02130908	CR, HO	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	High	Yes
	South Branch Patapsco River		1st thru 4th order streams		Source Unknown		
2018	MD-021309081031-Gillis_Falls3	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-021309081025-Gillis_Falls1	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-021309081028-SBranchPatapsco_River2	CR, HO	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-021309081029-Middle_Run	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-021309081030-Gillis_Falls2	CR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	South Branch Patapsco River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2012	MD-MAGMH-Deep_Creek	AA	Shellfishing	Fecal Coliform	Direct Measurement	Medium	No
	MAGMH - Magothy River Mesohaline		Tidal Shellfish Area		Source Unknown	Previously, a WQA was completed and approved for this area. More recent data shows that shellfish harvesting bacteria criteria are not being met.	
2004	MD-MAGMH	AA	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	MAGMH - Magothy River Mesohaline		Chesapeake Bay segment		Source Unknown		
2014	MD-02131001	AA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Magothy River		1st thru 4th order streams	42%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2002	MD-02131002 Severn River	AA	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low	No
2008	MD-SEVMH SEVMH - Severn River Mesohaline	AA	Aquatic Life and Wildlife Chesapeake Bay segment	Cause Unknown	Benthic IBI Source Unknown	Low	No
2014	MD-02131003 South River	AA	Aquatic Life and Wildlife 1st thru 4th order streams	Chloride 42%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2008	MD-SOUMH SOUMH - South River Mesohaline	AA	Aquatic Life and Wildlife Chesapeake Bay segment	Cause Unknown	Benthic IBI Source Unknown	Low	No
2012	MD-02131004 West River	AA	Aquatic Life and Wildlife 1st thru 4th order streams	Sulfate 63%	Direct Measurement Atmospheric Deposition - Toxics	Low The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2012	MD-02131004 West River	AA	Aquatic Life and Wildlife 1st thru 4th order streams	Total Suspended Solids (TSS) 90%	Habitat Evaluation Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2010	MD-PAXMH-Battle_Creek-2 PAXMH - Lower Patuxent River Mesohaline	CV	Shellfishing Tidal Shellfish Area	Fecal Coliform	Direct Measurement Source Unknown	High This portion of Battle Creek is not meeting the bacteria criteria for shellfish harvesting.	Yes
2006	MD-PAXMH PAXMH - Lower Patuxent River Mesohaline	CH, CV, PG, SM	Aquatic Life and Wildlife Chesapeake Bay segment	Cause Unknown	Benthic IBI Source Unknown	Low	No

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02131101	CH, CV, PG, SM	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Fish and Benthic IBIs	High	Yes
	Patuxent River lower		1st thru 4th order streams	73%	Source Unknown	The Biostressor analysis indicates that excess sediments (TSS) are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-PAXMH-Battle_Creek-3	CV	Shellfishing	Fecal Coliform	Direct Measurement	High	Yes
	PAXMH - Lower Patuxent River Mesohaline		Tidal Shellfish Area		Source Unknown	This portion of Battle Creek is not meeting the bacteria criteria for shellfish harvesting.	
2014	MD-PAXMH-HogNeck_Creek	SM	Shellfishing	Fecal Coliform	Direct Measurement	High	Yes
	PAXMH - Lower Patuxent River Mesohaline		Tidal Shellfish Area		Source Unknown		
2010	MD-CB5MH-ST_JEROMES_CREEK	SM	Shellfishing	Fecal Coliform	Direct Measurement	High	Yes
	CB5MH - Chesapeake Bay 5 Mesohaline		Tidal Shellfish Area		Source Unknown	This listing only applies to Malone Bay portion of St. Jeromes.	
2010	MD-PAXOH	PG, CV	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	PAXOH - Middle Patuxent River Oligohaline		Chesapeake Bay segment		Source Unknown		
2012	MD-PAXMH-BUZZARD_ISLAND_CREEK	CV	Shellfishing	Fecal Coliform	Direct Measurement	Medium	No
	PAXMH - Lower Patuxent River Mesohaline		Tidal Shellfish Area		Source Unknown		
2012	MD-PAXOH-MH-TF-PATUXENT_RIVER	PG, CV	Shellfishing	Fecal Coliform	Direct Measurement	Medium	No
	PAXOH - Middle Patuxent River Oligohaline		Tidal Shellfish Area		Source Unknown	WQA approved for this bacteria impairment in 2008. However, new data shows that shellfish harvesting water quality criteria are not being met. The area of this assessment is mostly in PAXOH but also partly in PAXMH and PAXTF.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02131102	AA, CV, PG	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Patuxent River Middle		1st thru 4th order streams	63%	Source Unknown	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02131102	AA, CV, PG	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Fish and Benthic IBIs	High	Yes
	Patuxent River Middle		1st thru 4th order streams	68%	Source Unknown	The Biostressor analysis indicates that excess sediments are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2006	MD-02131103	PG	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Western Branch		1st thru 4th order streams		Source Unknown		
2014	MD-02131104	AA, HO, PG	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Patuxent River upper		1st thru 4th order streams	22%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing addresses a portion of the biological listing and therefore replaces it on the list.	
2014	MD-02131104	AA, HO, PG	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Patuxent River upper		1st thru 4th order streams	22%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing addresses a portion of the biological listing and therefore replaces it on the list.	
2012	MD-02131105	AA, HO	Aquatic Life and Wildlife	Chloride	Direct Measurement	High	Yes
	Little Patuxent River		1st thru 4th order streams	39%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-02131107	HO, MO, PG	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Direct Measurement	Low	No
	Rocky Gorge Dam		1st thru 4th order streams	63%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that TSS is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-021311080966-Patuxent_River2	MO, HO	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Brighton Dam		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021311080966-Patuxent_River1	MO, HO	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Brighton Dam		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-CB2OH	KE	Fishing	PCBs in Fish Tissue	Direct Measurement	High	No
	CB2OH - Northern Chesapeake Bay Oligohaline		Chesapeake Bay segment		Source Unknown	More data needed to confirm the geographic area covered by this segment.	
2006	MD-CB3MH	BA, AA, KE, QA	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	CB3MH - Upper Chesapeake Bay Mesohaline		Chesapeake Bay segment		Source Unknown		
2014	MD-CB4MH-Herring_Bay	AA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	CB4MH - Middle Chesapeake Bay Mesohaline		Tidal subsegment		Source Unknown	A reevaluation of historical fish tissue data for white perch demonstrated that Herring Bay should be listed as impaired.	
2006	MD-CB5MH	CV, SM, DO, SO	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	CB5MH - Lower Chesapeake Bay Mesohaline		Chesapeake Bay segment		Source Unknown		
2006	MD-CB4MH	AA, CV, QA, TA, DO	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	CB4MH - Middle Chesapeake Bay Mesohaline		Chesapeake Bay segment		Source Unknown		

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-POTMH-Herring_Creek	SM	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	POTMH - Lower Potomac River Mesohaline		Tidal Shellfish Area		Source Unknown	This is a new listing in 2018 that adds an additional chunk of impaired water onto the original shellfish listing for Tall Timbers Cove. This area was not covered under the previous TMDL.	
2004	MD-02140101	CH, SM	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Potomac River Lower tidal		1st thru 4th order streams		Source Unknown		
2014	MD-POTMH-Neale_Sound	CH	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	POTMH - Lower Potomac River Mesohaline		Tidal Shellfish Area		Source Unknown	Station 1301024A does not meet shellfish harvesting water quality standards.	
2016	MD-POTMH-Cuckold_Creek	CH	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	POTMH - Lower Potomac River Mesohaline		Tidal Shellfish Area		Source Unknown	Data demonstrates a water quality impairment. A prior note for this assessment incorrectly referenced an administrative closure. However, this shellfish harvesting area closure is based on water quality data and not an administrative reason.	
2006	MD-POTMH	CH, SM	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	POTMH - Lower Potomac River Mesohaline		Chesapeake Bay segment		Source Unknown		
2010	MD-POTOH	CH	Aquatic Life and Wildlife	Cause Unknown	Benthic IBI	Low	No
	POTOH - Lower Potomac River Oligohaline		Chesapeake Bay segment		Source Unknown	This listing supersedes the previous estuarine biological listings for watersheds 02140101, 02140102, 02140109, and 02140110.	
2014	MD-02140103	SM	Aquatic Life and Wildlife	pH, Low	Direct Measurement	Low	No
	St. Mary's River		1st thru 4th order streams	64%	Atmospheric Deposition - Acidity	The Biostressor analysis indicates that low pH is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-POTMH-Breton_Bay	SM	Shellfishing	Fecal Coliform	Direct Measurement	Low	No
	POTMH - Lower Potomac River Mesohaline		Tidal Shellfish Area		Source Unknown	This portion of Breton Bay is not meeting the bacteria criteria for shellfish harvesting.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2016	MD-02140109	CH	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Port Tobacco River		1st thru 4th order streams	42%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing, along with others, replace the biological listing.	
2016	MD-02140109	CH	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Port Tobacco River		1st thru 4th order streams	51%	Anthropogenic Land Use Changes	The Biostressor analysis indicated that TSS is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2006	MD-02140109-JENNIE_RUN	CH	Water Contact Sports	Enterococcus	Direct Measurement	Medium	Yes
	Port Tobacco River		Non-tidal Segment(s)		Source Unknown		
2016	MD-02140109	CH	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Port Tobacco River		1st thru 4th order streams	42%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2006	MD-02140109-HOGHOLE_RUN	CH	Water Contact Sports	Enterococcus	Direct Measurement	Medium	Yes
	Port Tobacco River		Non-tidal Segment(s)		Source Unknown		
2006	MD-02140109-WILLS_BRANCH	CH	Water Contact Sports	Enterococcus	Direct Measurement	Medium	Yes
	Port Tobacco River		Non-tidal Segment(s)		Source Unknown		
2006	MD-02140109-PORT_TOBACCO_CREEK	CH	Water Contact Sports	Enterococcus	Direct Measurement	Medium	Yes
	Port Tobacco River		Non-tidal Segment(s)		Source Unknown	Two unnamed tributaries that join Port Tobacco Creek, one to the north and one to the south of RT. 6, are included in this listing.	
2014	MD-MATTF	CH	Fishing	PCBs in Fish Tissue	Direct Measurement	High	Yes
	Mattawoman Creek		Chesapeake Bay segment		Source Unknown	Two five-fish composites of blue catfish are above the contaminant threshold.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-02140111 Mattawoman Creek	PG, CH	Aquatic Life and Wildlife 1st thru 4th order streams	pH, Low 31%	Direct Measurement Atmospheric Deposition - Acidity	Low The Biostressor analysis indicates that low pH is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-02140111 Mattawoman Creek	PG, CH	Aquatic Life and Wildlife 1st thru 4th order streams	Chloride 32%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2018	MD-02140201 Potomac River Upper tidal	PG, CH	Aquatic Life and Wildlife 1st thru 4th order streams	Sulfate 28%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2018	MD-02140201 Potomac River Upper tidal	PG, CH	Aquatic Life and Wildlife 1st thru 4th order streams	Total Suspended Solids (TSS) 52%	Habitat Evaluation Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2018	MD-02140201 Potomac River Upper tidal	PG, CH	Aquatic Life and Wildlife 1st thru 4th order streams	Chloride 55%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2008	MD-02140202-Mainstem Potomac River Montgomery County	FR, MO	Fishing River Mainstem	PCBs in Fish Tissue	Direct Measurement Contaminated Sediments	High Since the station was sampled in the mainstem, this listing was refined to show just the mainstem as the water segment assessed.	Yes
2012	MD-02140202-Wadeable_Streams Potomac River Montgomery County	FR, MO	Aquatic Life and Wildlife 1st thru 4th order streams	Sulfate 14%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2012	MD-02140202-Wadeable_Streams	FR, MO	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Potomac River Montgomery County		1st thru 4th order streams	30%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-PISTF	PG	Fishing	PCBs in Fish Tissue	Direct Measurement	High	Yes
	Piscataway Creek Tidal Fresh		Chesapeake Bay segment		Source Unknown	New blue catfish data showed levels above the contaminant threshold.	
2016	MD-02140203	PG	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Piscataway Creek		1st thru 4th order streams	79%	Anthropogenic Land Use Changes	The Biostressor analysis indicates that total suspended solids are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2016	MD-02140203	PG	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Piscataway Creek		1st thru 4th order streams	55%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2012	MD-02140205	MO, PG	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Anacostia River		1st thru 4th order streams	14%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2002	MD-02140205-Northwest_Branch	MO, PG	Fishing	Heptachlor Epoxide	Direct Measurement	Low	No
	Anacostia River		River Mainstem		Source Unknown	The extent of this listing was refined in 2010 to reflect the actual impaired waters. This listing only applies to the Northwest Branch. This assessment was based on heptachlor epoxide levels in the water column.	
2012	MD-02140205	MO, PG	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Anacostia River		1st thru 4th order streams	47%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-ANATF Anacostia River	PG	Fishing Chesapeake Bay segment	Heptachlor Epoxide	Direct Measurement Source Unknown	Low New data shows that fish taken in the tidal portion of the Anacostia have levels of heptachlor epoxide that exceed the human health threshold for fish tissue consumption. This assessment was based on heptachlor epoxide levels in fish tissue.	No
2014	MD-021402060838-NBranchRock_Creek Rock Creek	MO	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
2010	MD-02140207 Cabin John Creek	MO	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Sulfate 62%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2010	MD-02140207 Cabin John Creek	MO	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Chloride 95%	Direct Measurement Urban Runoff/Storm Sewers	High The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	Yes
2010	MD-02140208 Seneca Creek	MO	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Chloride 40%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-021402080865-UTWildcat_Branch Seneca Creek	MO	Aquatic Life and Wildlife Non-tidal Segment(s)	Temperature	Direct Measurement Source Unknown	Low Temperature measurements exceed criteria and no coldwater obligate taxa were found.	No
2018	MD-02140301-Wadeable_Streams Potomac River Frederick County	FR, WA	Aquatic Life and Wildlife 1st thru 4th order streams	Total Suspended Solids (TSS) 75%	Habitat Evaluation Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-02140301-Wadeable_Streams	FR, WA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Potomac River Frederick County		1st thru 4th order streams	47%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02140301-Mainstem	FR, WA	Fishing	PCBs in Fish Tissue	Direct Measurement	High	Yes
	Potomac River Frederick County		River Mainstem		Source Unknown	New channel catfish data exceeds the PCB contaminant threshold.	
2014	MD-021403010211-UTTuscarora_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Potomac River Frederick County		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-02140301-Mainstem	FR, WA	Fishing	Mercury in Fish Tissue	Direct Measurement	High	Yes
	Potomac River Frederick County		River Mainstem		Atmospheric Deposition - Toxics	Recent fish tissue data shows levels of mercury meeting the criteria. However, additional data is needed to confirm this improvement and thus justify a delisting.	
2014	MD-021403020230-Ballenger_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Lower Monocacy River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021403020223-LittleBennett_Creek	MO	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Lower Monocacy River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021403030251-High_Run	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-021403030251-BigHunting_Creek1	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021403030243-Fishing_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021403030258-Friends_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021403030251-BigHunting_Creek2	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021403030251-UTBigHunting_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and few coldwater obligate taxa are present.	
2018	MD-021403030244-Buzzard_Branch	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Upper Monocacy River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021403050220-LittleCatoctin_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Catoctin Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2014	MD-021403050217-UTLittleCatoctin_Creek	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Catoctin Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021403050219-Spruce_Run	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Catoctin Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021403050217-Hawbottom_Branch	FR	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	Yes
	Catoctin Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-02140501-Dam3-4	WA	Fishing	PCBs in Fish Tissue	Direct Measurement	Low	No
	Potomac River Washington County		River Mainstem		Source Unknown	This listing was split from the previous watershed-wide PCB listing for the entire Potomac River Washington County watershed (02140501). The segment was split at Dam #4. New channel catfish composite (5 fish) was above contaminant threshold.	
2014	MD-02140501-Dam4-5	WA	Fishing	Mercury in Fish Tissue	Direct Measurement	High	Yes
	Potomac River Washington County		River Mainstem		Source Unknown	Recent fish tissue data shows levels of mercury below the criteria. However, additional data is needed to confirm this improvement and thus justify a delisting.	
2012	MD-02140501-Wadeable_Streams	WA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Potomac River Washington County		1st thru 4th order streams	14%	Agriculture	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2012	MD-02140501-Wadeable_Streams	WA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Potomac River Washington County		1st thru 4th order streams	19%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2008	MD-02140501-Dam4-5	WA	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	No
	Potomac River Washington County		River Mainstem		Source Unknown	Despite new data showing low levels of PCBs in fish from station POT2109, more data on channel catfish is needed from station PotDam4 to confirm that use is being met.	
2008	MD-02140502-Mainstem	WA	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	No
	Antietam Creek		River Mainstem		Contaminated Sediments	Since the station sampled was in the mainstem Antietam, this listing was refined to show just the mainstem as the water segment assessed.	
2014	MD-021405020192-LittleBeaver_Creek	WA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Antietam Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-02140502	WA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Antietam Creek		1st thru 4th order streams	15%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-021405020201-UTLittleAntietam_Creek	WA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Antietam Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2016	MD-02140503	WA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Marsh Run		1st thru 4th order streams	92%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2016	MD-02140503	WA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	Low	No
	Marsh Run		1st thru 4th order streams	100%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sediments are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02140504	WA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Conococheague Creek		1st thru 4th order streams	85%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02140504	WA	Aquatic Life and Wildlife	Phosphorus, Total	Fish and Benthic IBIs	Low	No
	Conococheague Creek		1st thru 4th order streams	97%	Agriculture	The Biostressor analysis indicates that excess phosphorus is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2002	MD-02140504-Multiple_segments_1	WA	Aquatic Life and Wildlife	pH, High	Direct Measurement	High	Yes
	Conococheague Creek		Non-tidal 8-digit watershed		Source Unknown	High pH possibly due to natural conditions of karst. The department needs additional data in order to make an attainment determination.	
2014	MD-02140504-Mainstem	WA	Fishing	Mercury in Fish Tissue	Direct Measurement	High	Yes
	Conococheague Creek		River Mainstem		Atmospheric Deposition - Toxics	Recent fish tissue data shows levels of mercury below the criteria. However, additional data is needed to confirm this improvement and thus justify a delisting.	
2008	MD-02140504-Mainstem	WA	Fishing	PCBs in Fish Tissue	Direct Measurement	Medium	No
	Conococheague Creek		River Mainstem		Contaminated Sediments	Despite new data showing low levels of PCBs in smallmouth bass, the channel catfish still have PCB levels above the threshold.	
2014	MD-02140504	WA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Conococheague Creek		1st thru 4th order streams	93%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2014	MD-02140505 Little Conococheague	WA	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low	No
2014	MD-02140506 Licking Creek	WA	Aquatic Life and Wildlife 1st thru 4th order streams	pH, Low 93%	Direct Measurement Atmospheric Deposition - Acidity	Low The Biostressor analysis indicates that low pH is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2002	MD-02140508-Wadeable_Streams Potomac River Allegany County	WA, AL	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	High	Yes
2014	MD-02140509 Little Tonoloway Creek	WA	Aquatic Life and Wildlife 1st thru 4th order streams	Total Suspended Solids (TSS) 57%	Fish and Benthic IBIs Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that excess sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-02140509 Little Tonoloway Creek	WA	Aquatic Life and Wildlife 1st thru 4th order streams	Chloride 44%	Direct Measurement Urban Runoff/Storm Sewers	Low The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-02140509 Little Tonoloway Creek	WA	Aquatic Life and Wildlife 1st thru 4th order streams	pH, Low 32%	Direct Measurement Atmospheric Deposition - Acidity	Low The Biostressor analysis indicates that low pH is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	No
2014	MD-02140510 Sideling Hill Creek	WA, AL	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	Low New data demonstrated impairment.	No
2002	MD-02140512 Town Creek	AL	Aquatic Life and Wildlife 1st thru 4th order streams	Cause Unknown	Fish and Benthic IBIs Source Unknown	High	Yes

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-021405120129-UTTown_Creek	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Town Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-021405120132-Murley_Branch	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Town Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-02141001-Mainstem	AL	Fishing	Mercury in Fish Tissue	Direct Measurement	High	Yes
	Lower North Branch Potomac River		River Mainstem		Atmospheric Deposition - Toxics	Recent fish tissue data shows levels of mercury below the criteria. However, additional data is needed to confirm this improvement and thus justify a delisting.	
2006	MD-02141001-Wadeable_Streams	AL	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Lower North Branch Potomac River		1st thru 4th order streams		Source Unknown		
2018	MD-021410010055-Mill_Run	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Lower North Branch Potomac River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021410020108-PeaVine_Run	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Evitts Creek		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021410020104-UTEvitts_Creek2	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Evitts Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2010	MD-02141002	AL	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Evitts Creek		Non-tidal 8-digit watershed	25%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-02141002	AL	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Evitts Creek		Non-tidal 8-digit watershed	22%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-02141003	AL, GA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Wills Creek		Non-tidal 8-digit watershed	31%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-021410030098-UTJennings_Run1	AL	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Wills Creek		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2010	MD-02141003	AL, GA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Wills Creek		Non-tidal 8-digit watershed	59%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02141004	AL, GA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Georges Creek		1st thru 4th order streams	24%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-02141005-Jennings_Randolph_Reservoir	AL, GA	Fishing	Mercury in Fish Tissue	Direct Measurement	Low	No
	Upper North Branch Potomac River		Impoundments		Atmospheric Deposition - Toxics		

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2012	MD-02141005-Wadeable_Streams	AL, GA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Upper North Branch Potomac River		1st thru 4th order streams	71%	Acid Mine Drainage	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2018	MD-021410060081-Savage_River1	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Savage River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-021410060084-Savage_River2	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Savage River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021410060074-SForkCrabtree_Creek	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Savage River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-021410060074-NForkCrabtree_Creek	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Savage River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-021410060077-Dry_Run	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Savage River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2014	MD-050202010019-Buffalo_Run2	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Youghiogheny River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and few coldwater obligate taxa are present.	

Cycle First Listed	Assessment Unit Basin Name	County	Designated Use Water Type Detail	Cause Percent Attributable Risk	Indicator Pollution Sources	Priority Notes	TMDL In 2 Years
2010	MD-05020201-Youghiogheny_River_Lake	GA	Fishing	Mercury in Fish Tissue	Direct Measurement	High	Yes
	Youghiogheny River		Impoundments		Atmospheric Deposition - Toxics		
2014	MD-050202010007-DunkardLick_Run	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Youghiogheny River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-050202010016-Bear_Creek3	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Youghiogheny River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2018	MD-050202010013-Ginseng_Run	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Youghiogheny River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2006	MD-05020202	GA	Aquatic Life and Wildlife	Cause Unknown	Fish and Benthic IBIs	Low	No
	Little Youghiogheny River		1st thru 4th order streams		Source Unknown		
2014	MD-050202020025-LittleYoughiogheny_River	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Little Youghiogheny River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-050202030029-Cherry_Creek2	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Deep Creek Lake		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	

Cycle First Listed	Assessment Unit / Basin Name	County	Designated Use / Water Type Detail	Cause / Percent Attributable Risk	Indicator / Pollution Sources	Priority / Notes	TMDL In 2 Years
2018	MD-050202030028-MeadowMountain_Run	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Deep Creek Lake		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	
2012	MD-05020203	GA	Aquatic Life and Wildlife	Total Suspended Solids (TSS)	Habitat Evaluation	High	Yes
	Deep Creek Lake		1st thru 4th order streams	91%	Post-development Erosion and Sedimentation	The Biostressor analysis indicates that excess sediment is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2016	MD-05020203	GA	Aquatic Life and Wildlife	Sulfate	Direct Measurement	Low	No
	Deep Creek Lake		1st thru 4th order streams	34%	Urban Runoff/Storm Sewers	The Biostressor analysis indicates that sulfates are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2010	MD-05020204	GA	Aquatic Life and Wildlife	Chloride	Direct Measurement	Low	No
	Casselman River		Non-tidal 8-digit watershed	26%	Urban Runoff/Storm Sewers	The Biostressor analysis indicated that chlorides are a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.	
2014	MD-050202040033-SouthBranch_Casselman_River2	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Casselman River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2014	MD-050202040037-Piney_Creek	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Casselman River		Non-tidal Segment(s)		Source Unknown	Temperature measurements exceed criteria and no coldwater obligate taxa were found.	
2018	MD-050202040036-Red_Run	GA	Aquatic Life and Wildlife	Temperature	Direct Measurement	Low	No
	Casselman River		Non-tidal Segment(s)		Source Unknown	Moved to category 3 to 5 in 2018 because temperature measurements exceed criteria. Coldwater obligate taxa are present.	