

F.6 Category 4c Waters

Maryland's 2018 Final Integrated Report - Category 4c Waters

<i>Assessment Unit</i>	<i>County</i>	<i>Designated Use</i>	<i>Cause</i>	<i>Indicator</i>	<i>Notes</i>
<i>Basin Name</i>	<i>Cycle Listed</i>	<i>Water Type Detail</i>		<i>Pollution Sources</i>	
MD-02120201- Lower_Susquehanna_Mainstem	CE, HA	Aquatic Life and Wildlife	Flow Alteration- Changes in Depth and Flow Velocity	Habitat Evaluation	Assessment of flow regime and biological impacts demonstrate that Conowingo Dam operations cause impairment of the aquatic life and wildlife designated use.
Lower Susquehanna River	2018	River Mainstem		Dam or Impoundment	
MD-02130203	WI, WO	Aquatic Life and Wildlife	Riparian Buffer, Lack of	Direct Measurement	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Upper Pocomoke River	2012	1st thru 4th order streams		Agriculture	
MD-02130203	WI, WO	Aquatic Life and Wildlife	Habitat Alterations	Direct Measurement	The Biostressor analysis indicates that stream channelization due to agricultural ditching is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Upper Pocomoke River	2012	1st thru 4th order streams		Channelization	
MD-02130305	CA, DO, WI	Aquatic Life and Wildlife	Habitat Alterations	Direct Measurement	The Biostressor analysis indicated that stream channelization due to agricultural ditching is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Nanticoke River	2016	1st thru 4th order streams		Channelization	
MD-02130306	CA, DO	Aquatic Life and Wildlife	Habitat Alterations	Direct Measurement	The Biostressor analysis indicated that stream channelization due to agricultural ditching is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Marshyhope Creek	2012	1st thru 4th order streams		Channelization	
MD-02130404	TA, QA, CA	Aquatic Life and Wildlife	Habitat Alterations	Direct Measurement	The Biostressor analysis indicates that stream channelization due to agricultural ditching is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Upper Choptank River	2012	1st thru 4th order streams		Channelization	
MD-02130510	KE, QA	Aquatic Life and Wildlife	Habitat Alterations	Direct Measurement	The Biostressor analysis indicates that stream channelization due to agricultural ditching is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
Upper Chester River	2012	1st thru 4th order streams		Channelization	

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MD-02130701 Bush River	HA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Urban Development in Riparian Buffer	The Biostressor analysis indicated that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130701 Bush River	HA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicated that channelization is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130704 Bynum Run	HA 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130705 Aberdeen Proving Ground	HA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Fish and Benthic IBIs Channelization	The Biostressor analysis indicated that channelization is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130802 Lower Gunpowder Falls	BA 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130805 Loch Raven Reservoir	BA, CR 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Urban Development in Riparian Buffer	The Biostressor analysis indicates that lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130901 Back River	BA, BC 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Loss of Riparian Habitat	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130901 Back River	BA, BC 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.

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MD-02130903 Baltimore Harbor	AA, BA, BC 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Habitat Evaluation Channelization	The Biostressor analysis indicates that stream channelization is a major stressor affecting biological integrity in this watershed. This listing, along with others, replace the biological listing.
MD-02130903 Baltimore Harbor	AA, BA, BC 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Habitat Evaluation Urban Development in Riparian Buffer	The Biostressor analysis indicates that the lack of an adequate riparian buffer is a major stressor affecting biological integrity in this watershed. This listing, along with others, replaces the biological listing.
MD-02130904 Jones Falls	BA, BC 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130905 Gwynns Falls	BA, BC 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02130906 Patapsco River Lower North Branch	AA, BA, BC, HO, CR 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02131003 South River	AA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Urban Development in Riparian Buffer	The Biostressor analysis indicates that the lack of an adequate riparian buffer is a major stressor affecting biological integrity in this watershed. This listing, along with others, replaces the biological listing.
MD-02140201 Potomac River Upper tidal	PG, CH 2018	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicated that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02140205 Anacostia River	MO, PG 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Loss of Riparian Habitat	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.

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MD-02140205 Anacostia River	MO, PG 2012	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02140207 Cabin John Creek	MO 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicates that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02140301- Wadeable_Streams Potomac River Frederick County	FR, WA 2018	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Direct Measurement Urban Development in Riparian Buffer	The Biostressor analysis indicates that the lack of an adequate riparian buffer is a major stressor affecting biological integrity in this watershed. This listing, along with others, replaces the biological listing.
MD-02140302 Lower Monocacy River	CR, FR, MO 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Riparian Buffer, Lack of	Direct Measurement Agriculture	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02140502 Antietam Creek	WA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Habitat Alterations	Habitat Evaluation Channelization	The Biostressor analysis indicates that channelization is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02140502 Antietam Creek	WA 2014	Aquatic Life and Wildlife 1st thru 4th order streams	Riparian Buffer, Lack of	Habitat Evaluation Agriculture	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02141002 Evitts Creek	AL 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Riparian Buffer, Lack of	Direct Measurement Loss of Riparian Habitat	The Biostressor analysis indicates that the lack of a riparian buffer is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.
MD-02141003 Wills Creek	AL, GA 2012	Aquatic Life and Wildlife Non-tidal 8-digit watershed	Habitat Alterations	Direct Measurement Channelization	The Biostressor analysis indicated that stream channelization due to urban development is a major stressor affecting biological integrity in this watershed. This listing replaces the biological listing.

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MD-05020201- Wadeable_Streams	GA	Aquatic Life and Wildlife	Riparian Buffer, Lack of	Habitat Evaluation	The Biostressor analysis indicates that the lack of a riparian buffer 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.
Youghiogheny River	2014	1st thru 4th order streams		Urban Development in Riparian Buffer	