

**7.3 Category 4a of the 2004 Integrated 303(d) List – includes surface waters that are still impaired but have a TMDL that has been completed or submitted to EPA**

## Maryland's 2004 Integrated List - Category 4a Waters

303(d) Listing Year	Basin Name	Basin Code	Subbasin Code	Listing Category	Impairment Category	Potential Sources	Priority	Notes	Monitoring Station ID		
		Waterbody Type	Subbasin Name		Impairing Substance				Data Source	Data Result	Latitude
1998	Chincoteague Bay	02130106		4a	Nutrients	Non-point	Low	TMDL Submitted 12/10/01; Approved by EPA 4/4/02	1998 305(b) Report	Impairment Addressed in 2 years	<input type="checkbox"/>
		Impoundment	BIG MILL POND		Nutrients						
1998	Upper Pocomoke River	02130203		4a	Nutrients	Non-point	Low	TMDL Submitted 12/7/01; Approved by EPA 3/27/02	1998 305(b) Report	Impairment Addressed in 2 years	<input type="checkbox"/>
		Impoundment	ADKINS POND		Nutrients						
1998	Upper Pocomoke River	02130203		4a	Sediments	Non-point	Low	TMDL Submitted 12/7/01; Approved by EPA 3/27/02	1998 305(b) Report	Impairment Addressed in 2 years	<input type="checkbox"/>
		Impoundment	ADKINS POND		Sediments						
1996	Manokin River	02130208		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 8/8/00; Approved by EPA 2/13/01	1996 305(b) Report	Impairment Addressed in 2 years	<input type="checkbox"/>
		Tidal			Nutrients						
		02130208			Nutrients						

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1998	Lower Wicomico River	02130301		4a	Nutrients	Non-point	Low	TMDL Submitted 10/5/99; Approved by EPA 12/10/99	Impairment Addressed in 2 years	<input type="checkbox"/>
		Impoundment								
		02130301	TONY TANK LAKE		Nutrients			1996 305(b) Report		
1996	Lower Wicomico River	02130301		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/28/00; Approved by EPA 6/22/01	Impairment Addressed in 2 years	<input type="checkbox"/>
		Tidal								
		02130301			Nutrients			1996 305(b) Report		
1998	Lower Wicomico River	02130301		4a	Sediments	Non-point	Low	TMDL Submitted 10/5/99; Approved by EPA 12/10/99	Impairment Addressed in 2 years	<input type="checkbox"/>
		Impoundment								
		02130301	TONY TANK LAKE		Sediments			1996 305(b) Report		
1996	Wicomico Creek	02130303		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/14/00; Approved by EPA 1/29/01	Impairment Addressed in 2 years	<input type="checkbox"/>
		Tidal								
		02130303			Nutrients			1996 305(b) Report		
1996	Wicomico River Headwaters	02130304		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/26/00; Approved by EPA 2/13/01 (Includes Johnson Pond)	Impairment Addressed in 2 years	<input type="checkbox"/>
		Non-tidal								
		02130304	JOHNSONS POND		Nutrients			1996 305(b) Report		

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1996	Wicomico River Headwaters	02130304		4a	Sediments	Non-point, Natural	Low	TMDL Submitted 12/26/00; Approved by EPA 2/13/01 (Includes Johnson Pond)	Impairment Addressed in	<input type="checkbox"/>				
		Non-tidal												
		02130304	JOHNSONS POND		Sediments			1996 305(b) Report						
1996	Marshyhope Creek	02130306		4a	Nutrients	Point, Non- point, Natural	Low	TMDL Submitted 12/27/00; Approved by EPA 2/13/01	Impairment Addressed in	<input type="checkbox"/>				
		Tidal												
		02130306			Nutrients			1996 305(b) Report						
1996	Transquaking River	02130308		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted T (Transquaking)- 1/3/00, C (Chicamacomico)-2/28/01; Approved T-3/9/00; C-2/28/01	Impairment Addressed in	<input type="checkbox"/>				
		Tidal												
		02130308							Nutrients		1996 305(b) Report			
		02130308			Nutrients			2001 305(b) Update	Nutrient-driven, seasonal low DO < 5 mg/L					
2002	Lower Choptank River	02130403		4a	Dissolved Oxy	Point	Low	TMDL submitted to EPA on 12/31/2002; Approved by EPA 9/16/03	Impairment Addressed in	<input type="checkbox"/>				
		Non-tidal												
		02130403	TOWN CREEK							Biochemical Oxygen Demand		DO<5 mg/l		
		02130403	UT LA TRAPPE CREEK	021304030463	Biochemical Oxygen Demand			MDE, 1998	DO<5 mg/l					

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2002	Lower Choptank River	02130403	021304030463	4a	Nutrients	Point, Non- point	Low	TMDL submitted to EPA on 12/31/2002; Approved by EPA 9/16/03	MDE, 1998	DO<5 mg/l, chl a = 54ug/l - 128 mg/l	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130403	UT LA TRAPPE CREEK		021304030463						Phosphorus	
2002	Tuckahoe Creek	02130405		4a	Metals	Atmospheric deposition	High	TMDL submitted to EPA on 12/31/02	Castro et al. 2001	Hg - Largemouth Bass (289; n = 15)	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130405			Methylmercury - fish tissue							
1996	Corsica River	02130507		4a	Nutrients	Point, Non- point, Natural	Low	TMDL Submitted 4/7/00; Approved by EPA on 5/9/00	1996 305(b) Report		Impairment Addressed in 2 years	<input type="checkbox"/>
		02130507			Nutrients							
1996	Southeast Creek	02130508		4a	Nutrients	Non-point, Natural	Low	TMDL submitted to EPA on 12/31/02; Approved by EPA on 9/16/03	1996 305(b) Report		Impairment Addressed in 2 years	<input type="checkbox"/>
		02130508			Nutrients							
1996	Middle Chester River	02130509		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 3/10/99; Approved by EPA on 8/24/99			Impairment Addressed in 2 years	<input type="checkbox"/>

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		02130509	URIEVILLE LAKE		Nutrients			1996 305(b) Report		
1996	Middle Chester River	02130509 Impoundment		4a	Sediments	Non-point, Natural	Low	TMDL Submitted 3/10/99; Approved by EPA on 8/24/99	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130509	URIEVILLE LAKE		Sediments			1996 305(b) Report		
1996	Bohemia River	02130602 Tidal		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/14/00; Approved by EPA on 1/29/01	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130602			Nutrients			1996 305(b) Report		
1996	Sassafras River	02130610 Tidal		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/20/01; Approved by EPA on 4/01/02	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130610			Nutrients			1996 305(b) Report		
1996	Stillpond-Fairlee	02130611 Tidal		4a	Nutrients	Non-point, Natural	Low	TMDL Still Pond/Fairlee[includes Fairlee Creek(F), Still pond (S) and Worton Creek (W)] F-Submitted 2/10/98, Approved 3/18/99; S- Submitted 12/20/01, Approved 3/25/02; W-Submitted 12/7/01, Approved 2/06/02.	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130611			Nutrients			2001 305(b) Update	Nutrient-driven, seasonal low DO < 5 mg/L	

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		02130611			Nutrients			1996 305(b) Report		
1996	Swan Creek	02130706		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/20/01; Approved by EPA on 3/27/02	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130706			Nutrients			1996 305(b) Report		
2002	Loch Raven Reservoir	02130805		4a	Metals	Atmospheric deposition	High	TMDL submitted to EPA on 12/21/02	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130805			Methylmercury - fish tissue			Castro et al. 2001	Hg - Largemouth Bass (249; n = 10)	
2002	Prettyboy Reservoir	02130806		4a	Metals	Atmospheric deposition	High	TMDL submitted to EPA on 12/21/02	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130806			Methylmercury - fish tissue			Castro et al. 2001	Hg - Largemouth Bass (308; n = 15)	
1996	Back River	02130901		4a	Toxics	Point, Non- point, Natural	Low	TMDL Submitted 7/26/99; Approved by EPA on 12/17/99	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130901			Chlordane			1996 305(b) Report		
1998	Baltimore Harbor	02130903		4a	Toxics	Unknown	High	TMDL Submitted 12/27/00; Approved by EPA on 3/20/01	Impairment Addressed in 2 years	<input type="checkbox"/>

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		Waterbody Type	Subbasin Name		Impairing Substance				Data Source	Data Result	Latitude
		02130903			Chlordane - sediments				Ambient Toxicity 1996		
1996	Jones Falls	02130904		4a	Toxics	Non-point, Natural	Low	TMDL includes Lake Roland (LR) Submitted 11/9/00; (LR) Approved 3/28/01	1996 305(b) Report	Impairment Addressed in 2 years	<input type="checkbox"/>
		02130904			Chlordane						
2002	Liberty Reservoir	02130907		4a	Metals	Atmospheric deposition	High	TMDL submitted to EPA on 12/27/02		Impairment Addressed in 2 years	<input type="checkbox"/>
		02130907			Methylmercury - fish tissue			Castro et al. 2001	Hg - Largemouth Bass (235; n = 10)		
2002	Patuxent River lower	02131101		4a	Metals	Atmospheric deposition	High	TMDL submitted to EPA on 12/24/02		Impairment Addressed in 2 years	<input type="checkbox"/>
		02131101	LAKE LARIAT		Methylmercury - fish tissue			Castro et al. 2001	Hg - Largemouth Bass (915; n =7)(1/month)		
1996	Western Branch	02131103		4a	Nutrients	Non-point, Natural	Low	TMDL (BOD) Submitted 12/3/99; Approved by EPA on 6/6/00		Impairment Addressed in 2 years	<input type="checkbox"/>
		02131103			Nutrients			1996 305(b) Report			
1998	Little Patuxent River	02131105		4a	Nutrients	Non-point	Low	TMDL Submitted 12/27/01; Approved by EPA on 4/24/02		Impairment Addressed in 2 years	<input type="checkbox"/>

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		02131105	CENTENNIAL LAKE		Nutrients			1998 305(b) Report		
1998	Little Patuxent River	02131105 Impoundment		4a	Sediments	Non-point	Low	TMDL Submitted 12/27/01; Approved by EPA on 4/24/02		Impairment Addressed in <input type="checkbox"/> 2 years
		02131105	CENTENNIAL LAKE		Sediments			1998 305(b) Report		
2002	St. Mary's River	02140103 Impoundment	021401030718	4a	Metals	Atmospheric deposition	High	TMDL was submitted to EPA on 12/31/2002.		Impairment Addressed in <input type="checkbox"/> 2 years
		02140103	ST. MARY'S LAKE	021401030718	Methylmercury - fish tissue			MDE, 2002 and UMCES, 2000	Hg - Largemouth Bass (arithmetic mean = 656.7; geometric mean = 449.3; n = 10)	38 15 07  76 32 06.54
1996	Port Tobacco River	02140109 Tidal		4a	Nutrients	Point, Non- point, Natural	Low	TMDL Submitted 2/16/99; Approved by EPA on 3/18/99		Impairment Addressed in <input type="checkbox"/> 2 years
		02140109			Nutrients			1996 305(b) Report		
1998	Seneca Creek	02140208 Impoundment		4a	Nutrients	Point, Non- point, Natural	Low	TMDL Submitted 12/27/01; Approved by EPA on 4/04/02		Impairment Addressed in <input type="checkbox"/> 2 years
		02140208	CLOPPER LAKE		Nutrients			1998 305(b) Report		

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1998	Seneca Creek	02140208		4a	Sediments	Point, Non- point, Natural	Low	TMDL Submitted 12/27/01; Approved by EPA on 4/04/02	1998 305(b) Report	Impairment Addressed in	<input type="checkbox"/>
		Impoundment									2 years
1996	Lower Monocacy River	02140302		4a	Nutrients	Point, Non- point, Natural	Low	Phosphorus TMDL for Lake Linganore submitted on 12/30/2002 and approved by EPA 05/13/2003	Power Plant Research Program 1999; MDE data	Impairment Addressed in	<input type="checkbox"/>
		Non-tidal									2 years
		02140302	LAKE LINGANORE								1996 305(b) Report
1996	Lower Monocacy River	02140302		4a	Sediments	Non-point, Natural	Low	Sediment TMDL for Lake Linganore submitted on 12/30/2002 and approved by EPA 05/13/2003	Power Plant Research Program 1999; MDE data	Impairment Addressed in	<input checked="" type="checkbox"/>
		Non-tidal									2 years
		02140302	LAKE LINGANORE								1996 305(b) Report
1998	Evitts Creek	02141002		4a	Nutrients	Point, Non- point, Natural	Low	TMDL Submitted 12/23/99; Approved by EPA on 3/2/00	1998 305(b) Report	Impairment Addressed in	<input type="checkbox"/>
		Impoundment									2 years

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		02141002	LAKE HABEEB		Nutrients			1998 305(b) Report	
2002	Savage River	02141006 Impoundment		4a	Metals	Atmospheric deposition	High	Submitted to EPA on 12/24/02	Impairment Addressed in 2 years <input type="checkbox"/>
		05020201			Methylmercury - fish tissue			Castro et al. 2001 Hg - Largemouth Bass (437; n = 8)(1/month)	
1996	Little Youghiogheny River	05020202 Non-tidal		4a	Nutrients	Non-point, Natural	Low	TMDL Submitted 12/14/00; Approved by EPA on 1/29/01	Impairment Addressed in 2 years <input type="checkbox"/>
		05020202			Nutrients			1996 305(b) Report	
1998	Little Youghiogheny River	05020202 Impoundment		4a	Nutrients	Non-point, Natural	Medium	TMDL Submitted 12/23/99; Approved by EPA on 3/2/00	Impairment Addressed in 2 years <input type="checkbox"/>
		05020202	BROADFORD LAKE		Nutrients			1998 305(b) Report	
2002	Deep Creek Lake	05020203 Impoundment		4a	Metals	Atmospheric deposition	High	Submitted to EPA on 12/31/02	Impairment Addressed in 2 years <input type="checkbox"/>
		05020203			Methylmercury - fish tissue			Castro et al. 2001 Hg - Largemouth Bass (304; n = 13)	
1996	Deep Creek Lake	05020203 Non-tidal		4a	pH	Non-point, Natural	Low	The TMDL was approved by EPA 11/26/03.	Impairment Addressed in 2 years <input type="checkbox"/>

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		<i>Waterbody Type</i>	<i>Subbasin Name</i>		<i>Impairing Substance</i>			<i>Data Source</i>	<i>Data Result</i>
									<i>Latitude</i>
									<i>Longitude</i>
		05020203	CHERRY CREEK		Low pH			2000 305(b) Report	
		05020203	CHERRY CREEK		Low pH			2001 305(b) Update	
		05020203	CHERRY CREEK		Low pH			1996 305(b) Report	
<i>2002</i>	<i>Casselman River</i>	<i>05020204</i>		<i>4a</i>	<i>Metals</i>	<i>Atmospheric</i>	<i>High</i>	<i>TMDL submitted to EPA on 12/31/02</i>	<i>Impairment Addressed in 2 years</i> <input type="checkbox"/>
		05020204	BIG PINEY RESERVOIR		Methylmercury - fish tissue			Castro et al. 2001	Hg - Largemouth Bass (582; n = 15)