

Comparison of Stream Miles Listed as "Impaired" (Not Attaining) for Designated Uses for 2012 through 2020 by Watershed in Chester County

Lakes listed in the PADEP 2020 Integrated Water Quality Report are not included in the impaired stream miles listed below.



	Miles Mapped by PADEP ⁵	Miles Listed as Impaired in 2012 ⁶	Miles Listed as Impaired in 2014 ^{7,8}	Miles Listed as Impaired in 2016 ^{9,10}	Miles Listed as Impaired in 2018 ¹¹	Miles Listed as Impaired in 2020 ¹²	Change from 2018 to 2020, miles	% Stream miles Impaired in 2020	Miles not listed as impaired in 2020	% stream miles not listed as impaired in 2020	
Chesapeake Bay Basin watersheds											
Big Elk Creek ¹	83.9	27.8	18.4	83.9	83.9	83.9	0.0	100%	0.0	0%	Big Elk Creek ¹
Little Elk Creek	23.5	14.4	14.4	20.6	20.6	20.6	0.0	88%	2.9	12%	Little Elk Creek
Northeast Creek	15.8	8.7	8.7	15.8	15.8	15.8	0.0	100%	0.0	0%	Northeast Creek
Grand Total	123.2	50.9	41.5	120.3	120.3	120.3	0.0	98%	2.9	2%	Grand Total
Susquehanna River Basin watersheds											
Conestoga Creek	0.4	0.4	0.4	0.4	0.4	0.4	0.0	100%	0.0	0%	Conestoga Creek
Octoraro Creek	146.7	58.1	61.1	137.1	137.1	137.1	0.0	93%	9.6	7%	Octoraro Creek
Pequea Creek ²	9.8	3	3	3.8	3.8	3.8	0.0	39%	6.0	61%	Pequea Creek
Grand Total	156.9	61.5	64.5	141.3	141.3	141.3	0.0	90%	15.6	10%	Grand Total
TOTAL CHESAPEAKE BAY	280.1	112.4	106.0	261.6	261.6	261.6	0.0	93%	18.5	7%	TOTAL CHESAPEAKE BAY
Christina River Basin watersheds											
Brandywine Creek	529.9	213.7	213.7	216.7	216.7	216.7	0.0	41%	313.2	59%	Brandywine Creek
Christina River	4.8	0	0	0	0	0	0.0	0%	4.8	100%	Christina River
Red Clay Creek ^{3,4}	74.2	74	70.5	74.2	74.2	74.2	0.0	100%	0.0	0%	Red Clay Creek ²
White Clay Creek ⁴	108.1	92.2	97.1	106.2	106.2	106.2	0.0	98%	1.9	2%	White Clay Creek
Grand Total	717	379.9	381.3	397.1	397.1	397.1	0.0	55%	319.9	45%	Grand Total
Delaware River Basin watersheds											
Chester Creek ²	34.4	9.7	34.4	34.4	34.4	34.4	0.0	100%	0.0	0%	Chester Creek
Crum Creek ²	26.3	1.2	26.2	26.3	26.3	26.3	0.0	100%	0.0	0%	Crum Creek
Darby Creek	11.1	0	11.1	11.1	11.1	11.1	0.0	100%	0.0	0%	Darby Creek
Ridley Creek ²	33.9	33.9	33.9	33.9	33.9	33.9	0.0	100%	0.0	0%	Ridley Creek
Grand Total	105.7	44.8	105.6	105.7	105.7	105.7	0.0	100%	0	0%	Grand Total
Schuylkill River Basin watersheds											
Crow Creek	0.5	0	0	0	0	0	0.0	0%	0.5	100%	Crow Creek
French Creek	100.1	16.3	20.4	33.8	33.8	33.8	0.0	34%	66.3	66%	French Creek
Gulph Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.0	100%	0.0	0%	Gulph Creek
Pickering Creek	61.8	1.8	46.4	46.3	46.3	46.3	0.0	75%	15.5	25%	Pickering Creek
Pigeon Creek	23.1	0	12.5	12.5	12.5	12.5	0.0	54%	10.6	46%	Pigeon Creek
Schuylkill River ⁴	47.7	32.1	43.3	45.6	45.6	45.6	0.0	96%	2.1	4%	Schuylkill River
Stony Run	8.9	8.9	8.9	8.9	8.9	8.9	0.0	100%	0.0	0%	Stony Run
Trout Creek ⁴	11.6	7.8	7.8	7.8	7.8	11.6	3.8	100%	0.0	0%	Trout Creek
Valley Creek	36.8	36.8	36.8	36.8	36.8	36.8	0.0	100%	0.0	0%	Valley Creek
Grand Total	291.2	104.4	176.8	192.4	192.4	196.2	3.8	67%	98.8	34%	Grand Total
TOTAL DELAWARE RIVER	1,113.9	529.1	663.7	695.2	695.2	699.0	3.8	63%	418.7	38%	TOTAL DELAWARE RIVER
TOTAL CHESTER COUNTY	1,394.0	641.5	769.7	956.7	956.7	960.5	3.8	69%	437.3	31%	TOTAL CHESTER COUNTY

Notes:

- Sections of Big Elk Creek, totaling 9.4 miles, were delisted for mercury in the 2014 Pennsylvania Integrated Water Quality Monitoring and Assessment Report.
- Sections of Pequea Creek, Chester Creek, Crum Creek and Ridley Creek and tributaries were previously listed as impaired and have had additional impairments added in the 2018 Pennsylvania Integrated Water Quality Monitoring and Assessment Report.
- Sections of Red Clay Creek and tributaries, totaling 3.5 miles, were delisted for PCB in the 2014 Pennsylvania Integrated Water Quality Monitoring and Assessment Report.
- Sections of Red Clay Creek, Trout Creek, White Clay Creek, their tributaries and tributaries to the Schuylkill River were previously listed as impaired and have had additional impairments added in the 2020 Pennsylvania Integrated Water Quality Monitoring and Assessment Report.

Sources:

- Chapter 93. Water Quality Standards NHD Streams [Streams CH93 Designated Use 2013_08], Penn State Institutes of the Environment, The Pennsylvania State University, August 2013 (downloaded from PASDA, December 2013)
- Integrated List Non-Attaining (10-2010) (GIS shapefile), Office of Water Management, Bureau of Water Supply & Wastewater Management, Water Quality Assessment and Standards Division., October, 2010 (downloaded from Pennsylvania Spatial Data Access (PASDA) Clearinghouse, October 2010)
- Integrated List Non-Attaining (01-2014) (GIS shapefile), Office of Water Management, Bureau of Water Supply & Wastewater Management, Water Quality Assessment and Standards Division., October, 2010 (downloaded from PASDA, May 2014)
- 2014 Pennsylvania Draft Integrated Water Quality Monitoring and Assessment Report (downloaded from PADEP web site, June 2014)
- Integrated List Non-Attaining (2017_07) (GIS shapefile), Office of Water Management, Bureau of Water Supply & Wastewater Management, Water Quality Assessment and Standards Division., July, 2017 (downloaded from PASDA, August 25, 2017)
- 2016 Pennsylvania Draft Integrated Water Quality Monitoring and Assessment Report (downloaded from PADEP web site, July 22, 2017)
- Integrated List Non-Attaining and Attaining (2019_04) (GIS shapefiles), Office of Water Management, Bureau of Water Supply & Wastewater Management, Water Quality Assessment and Standards Division., April 2019 (downloaded from PASDA, May 16, 2019)
- Integrated List Non-Attaining and Attaining (2020_10) (GIS shapefiles), Office of Water Management, Bureau of Water Supply & Wastewater Management, Water Quality Assessment and Standards Division, October 2020.