

Frederick County Water Body	Size	Impairment	Source	TMDL Dev. Date	Notes
Abrams Creek	10.8 mi.	Benthic, Fecal Coliform	Urban & Ag. NPS	Complete	Partly in Winchester
Upper Opequon Creek	24.9 mi.	Benthic, Fecal Coliform	Urban & Ag. NPS	Complete	Partly in Clarke Co.
Lower Opequon Creek	8.8 mi.	Benthic, Fecal Coliform	Urban & Ag. NPS	Complete	Partly in Clarke Co.
Lake Frederick	115.2 ac.	Dissolved Oxygen	Natural conditions	2014	
Back Creek	18.7 mi.	Temperature	Natural conditions	2014	
Hogue Creek	16.8 mi.	Benthic, Coliform, Temperature	Unknown, natural conditions	2010	Temperature violations due to natural conditions
Babbs Run	14.5 mi.	Fecal Coliform	NPS	2016	
Lick Run	8.9 mi.	Fecal Coliform	Unknown	2016	
Redbud Run	8.1 mi.	Fecal Coliform, Benthic	Unknown NPS	2016	Partly in Winchester
Crooked Run	12.8 mi.	Fecal Coliform	NPS	2014	Partly in Warren Co.
Stephens Run	7.9 mi.	Fecal Coliform	NPS	2016	Partly in Warren Co.
Total Miles	132.2 mi.				

Clarke County Water Body	Size	Impairment	Source	TMDL Dev. Date	Notes
Upper Opequon Creek	24.9 mi.	Benthic, Fecal Coliform	Urban & Ag. NPS	Complete	Partly in Frederick Co.
Lower Opequon Creek	8.8 mi.	Benthic, Fecal Coliform	Urban & Ag. NPS	Complete	Partly in Frederick Co.
Shenandoah River (Main stem, N. Fork and S. Fork)	51.1 mi.	PCBs	Avtex site	Complete	Partly in Warren Co.
Spout Run & Page Brook Run	12.5 mi.	Benthic, Fecal Coliform	NPS	2010	
Long Branch	3.6 mi.	Fecal Coliform	NPS	2016	
Total Miles	100.9 mi.				

Warren County Water Body	Size	Impairment	Source	TMDL Dev. Date	Notes
Shenandoah River (Main stem, N. Fork and S. Fork)	51.1 mi.	PCBs	Avtex site	Complete	Partly in Clarke Co.
Flint Run	11.5 mi.	Fecal Coliform	NPS	2016	
Happy Creek	8.5 mi.	Fecal Coliform	NPS	2016	
Passage Creek	18.5 mi.	Fecal Coliform	NPS	2016	Partly in Shenandoah Co.
Manassas Run	14.7 mi.	Fecal Coliform	NPS	2016	
South River, Shenandoah River (Main stem, N. Fork and S. Fork)	128.8 mi.	Mercury	Dupont	2010	Mercury from Dupont process that was abandoned in the 1950s
Crooked Run	12.8 mi.	Fecal Coliform	NPS	2014	Partly in Frederick Co.
Stephens Run	7.9 mi.	Fecal Coliform	NPS	2016	Partly in Frederick Co.
Total Miles	253.8 mi.				

Shenandoah County Water Body	Size	Impairment	Source	TMDL Dev. Date	Notes
Orndorff Spring Branch	0.2 mi.	Benthic	Trout Farm	Complete	
Holmans Creek	10.4 mi.	Fecal Coliform, Benthic	Ag./Wildlife NPS	Complete	Partly in Rockingham Co.
N.F. Shenandoah River	53.0 mi.	Fecal Coliform	Ag./Wildlife NPS	2010	Partly in Rockingham Co.
Smith Creek	31.2 mi.	Fecal Coliform, Benthic	Ag./Wildlife NPS	Complete	Partly in Rockingham Co.
Mill Creek	19.8 mi.	Fecal Coliform, Benthic, Temperature	Ag./Wildlife NPS, Natural, Unknown	2010	Partly in Rockingham Co. & Page Co.
Stony Creek (downstream of George's Chicken plant)	5.7 mi.	Fecal Coliform	Ag./Wildlife NPS	2014	
Stony Creek	18.4 mi.	Temperature	Natural conditions	2014	
Stony Creek (headwaters above Little Stony Creek)	6.5 mi.	Fecal Coliform	Ag./Wildlife NPS	2016	
Laurel Run	5.2 mi.	Benthic	Atmospheric deposition	2014	
Little Stony Creek	6.5 mi.	Benthic	Atmospheric deposition	2016	
Toms Brook	7.1 mi.	Benthic	Ag./Urban NPS	Complete	Also possible impact of Tom's Brook WWTP
Narrow Passage Creek	10.7 mi.	Fecal Coliform	NPS	2014	
Pughs Run	5.9 mi.	Fecal Coliform	NPS	2016	
Tumbling Run	4.1 mi.	Fecal Coliform	NPS	2016	
Cedar Creek	18.9 mi.	Temperature	Natural conditions	2010	
Cedar Creek (headwaters)	2.5 mi.	Benthic	Atmospheric deposition	2014	
Passage Creek	18.5 mi.	Fecal Coliform	NPS	2016	Partly in Warren Co.
Total Miles	209.9 mi.				

City and Town Water Body	Size	Impairment	Source	TMDL Dev. Date	Notes
Winchester					
Abrams Creek	10.8 mi.	Benthic, Fecal Coliform	Urban NPS	Complete	Partly in Frederick Co.
Redbud Run	8.1 mi.	Fecal Coliform, Benthic	Unknown NPS	2016	Partly in Frederick Co. & Clarke Co.
Stephens City					
Stephens Run	7.9 mi.	Fecal Coliform	NPS	2016	Partly in Warren Co.
Front Royal					
Shenandoah River (Main stem, N. Fork and S. Fork)	51.1 mi.	PCBs	Avtex site	Complete	Partly in Clarke Co.
Happy Creek	8.5 mi.	Fecal Coliform	NPS	2016	Partly in Warren Co.
Toms Brook					
Toms Brook	7.1 mi.	Benthic	Unknown	2014	Partly in Shenandoah Co.
Edinburg					
Stony Creek (downstream of George's Chicken plant)	5.7 mi.	Fecal Coliform	Ag./Wildlife NPS	2014	
Stony Creek	18.4 mi.	Temperature	Natural conditions	2014	
Mt. Jackson					
N.F. Shenandoah River	53.0 mi.	Fecal Coliform	Ag./Wildlife NPS	2010	Partly in Rockingham Co.
Mill Creek	19.8 mi.	Fecal Coliform, Benthic, Temperature	Ag./Wildlife NPS, Natural, Unknown	2010	Partly in Rockingham Co. & Page Co.
New Market					
N.F. Shenandoah River	53.0 mi.	Fecal Coliform	Ag./Wildlife NPS	2010	Partly in Rockingham Co.

