

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_MDE389**      Emergency Mang Institute

Bay-wide Diadromous Tier      18  
 Bay-wide Resident Tier      6  
 Bay-wide Brook Trout Tier      N/A  
 NID ID  
 State ID      MDE389  
 River Name      Toms Creek  
 Dam Height (ft)      0  
 Dam Type  
 Latitude      0  
 Longitude      0  
 Passage Facilities      None Documented  
 Passage Year      N/A  
 Size Class      2: Small River (38.61 - 200 sq mi)  
 HUC 12      Lower Toms Creek  
 HUC 10      Toms Creek  
 HUC 8      Monocacy  
 HUC 6      Potomac  
 HUC 4      Potomac



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.93	% Tree Cover in ARA of Upstream Network	62.88
% Natural Cover in Upstream Drainage Area	70.53	% Tree Cover in ARA of Downstream Network	50.17
% Forested in Upstream Drainage Area	69.52	% Herbaceous Cover in ARA of Upstream Network	32.01
% Agriculture in Upstream Drainage Area	14.99	% Herbaceous Cover in ARA of Downstream Network	39.72
% Natural Cover in ARA of Upstream Network	54.1	% Barren Cover in ARA of Upstream Network	0.58
% Natural Cover in ARA of Downstream Network	43.71	% Barren Cover in ARA of Downstream Network	0.35
% Forest Cover in ARA of Upstream Network	50.75	% Road Impervious in ARA of Upstream Network	1.51
% Forest Cover in ARA of Downstream Network	30.17	% Road Impervious in ARA of Downstream Network	1.96
% Agricultural Cover in ARA of Upstream Network	30.42	% Other Impervious in ARA of Upstream Network	1.68
% Agricultural Cover in ARA of Downstream Network	38.99	% Other Impervious in ARA of Downstream Network	3.66
% Impervious Surf in ARA of Upstream Network	2.41		
% Impervious Surf in ARA of Downstream Network	3.98		

Metric descriptions can be found at:

[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf)

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## Network, System Type and Condition

Functional Upstream Network (mi)	45.35	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	2957.76	# Downstream Natural Barriers	1
Absolute Gain (mi)	45.35	# Downstream Hydropower Dams	0
# Size Classes in Total Network	7	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	2
NFHAP Cumulative Disturbance Index	High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	9.24		
% Conserved Land in 100m Buffer of Downstream Network	19.33		
Density of Crossings in Upstream Network Watershed (#/m2)	1.22		
Density of Crossings in Downstream Network Watershed (#/m2)	1.35		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0		
Density of off-channel dams in Downstream Network Watershed (#/m2)	0		

## Diadromous Fish

Downstream Alewife	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	None Documented	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	None Documented	Downstream American Eel	Current
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	1

## Resident Fish and Rare Species

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	Yes
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes

## Stream Health

Chesapeake Bay Program Stream Health	ERY_POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Fair
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Fair

Rare fish or mussel sp in HUC12	Yes
Rare fish or mussel in upstream or downstream functional network	Yes

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