

# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_594264**

**Union Mills Dam**

**Black and Decker Manufacturing Com**

Diadromous Tier 18  
 Brook Trout Tier N/A  
 Resident Tier 11  
 NID ID  
 State ID MDE176  
 River Name Big Pipe Creek  
 Dam Height (ft) 0  
 Dam Type  
 Latitude 39.6665  
 Longitude -77.0084  
 Passage Facilities None Documented  
 Passage Year N/A  
 Size Class 1b: Creek (3.861 - 38.61 sq mi)  
 HUC 12 Upper Big Pipe Creek  
 HUC 10 Double Pipe Creek  
 HUC 8 Monocacy  
 HUC 6 Potomac  
 HUC 4 Potomac



## Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.76	% Tree Cover in ARA of Upstream Network	60.69
% Natural Cover in Upstream Drainage Area	39.85	% Tree Cover in ARA of Downstream Network	48.16
% Forested in Upstream Drainage Area	35.01	% Herbaceous Cover in ARA of Upstream Network	37.59
% Agriculture in Upstream Drainage Area	52.32	% Herbaceous Cover in ARA of Downstream Network	49.01
% Natural Cover in ARA of Upstream Network	52.28	% Barren Cover in ARA of Upstream Network	0.01
% Natural Cover in ARA of Downstream Network	37.7	% Barren Cover in ARA of Downstream Network	0.01
% Forest Cover in ARA of Upstream Network	42.54	% Road Impervious in ARA of Upstream Network	0.71
% Forest Cover in ARA of Downstream Network	25.64	% Road Impervious in ARA of Downstream Network	0.78
% Agricultural Cover in ARA of Upstream Network	40.4	% Other Impervious in ARA of Upstream Network	0.72
% Agricultural Cover in ARA of Downstream Network	53.64	% Other Impervious in ARA of Downstream Network	1.47
% Impervious Surf in ARA of Upstream Network	0.53		
% Impervious Surf in ARA of Downstream Network	1.1		

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)

# Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_594264**

**Union Mills Dam**

**Black and Decker Manufacturing Com**

## Network, System Type and Condition

Functional Upstream Network (mi)	64.8	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	200.25	# Downstream Natural Barriers	1
Absolute Gain (mi)	64.8	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	1
# Upstream Network Size Classes	2	# of Downstream Barriers	3
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	31.16		
% Conserved Land in 100m Buffer of Downstream Network	29.6		
Density of Crossings in Upstream Network Watershed (#/m2)	1.08		
Density of Crossings in Downstream Network Watershed (#/m2)	1.17		
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
Presence of 1 or More Downstream Anadromous Species	None Docume		
# Diadromous Species Downstream (incl eel)	1		

## Resident Fish

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	36
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

## Stream Health

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

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)