

## Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD\_CPU11**

**FOWLING CK MILL POND**

Bay-wide Diadromous Tier 2  
 Bay-wide Resident Tier 11  
 Bay-wide Brook Trout Tier N/A  
 NID ID  
 State ID CPU11  
 River Name Fowling Creek  
 Dam Height (ft) 20  
 Dam Type Unspecified Type  
 Latitude 38.7778  
 Longitude -75.8728  
 Passage Facilities None Documented  
 Passage Year N/A  
 Size Class 1b: Creek (3.861 - 38.61 sq mi)  
 HUC 12 Fowling Creek-Choptank River  
 HUC 10 Upper Choptank River  
 HUC 8 Choptank  
 HUC 6 Upper Chesapeake  
 HUC 4 Upper Chesapeake



### Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.87	% Tree Cover in ARA of Upstream Network	27.87
% Natural Cover in Upstream Drainage Area	24.86	% Tree Cover in ARA of Downstream Network	36.41
% Forested in Upstream Drainage Area	9.49	% Herbaceous Cover in ARA of Upstream Network	69.02
% Agriculture in Upstream Drainage Area	68.81	% Herbaceous Cover in ARA of Downstream Network	55.1
% Natural Cover in ARA of Upstream Network	25.11	% Barren Cover in ARA of Upstream Network	0.08
% Natural Cover in ARA of Downstream Network	40.43	% Barren Cover in ARA of Downstream Network	0.2
% Forest Cover in ARA of Upstream Network	7.82	% Road Impervious in ARA of Upstream Network	0.92
% Forest Cover in ARA of Downstream Network	11.12	% Road Impervious in ARA of Downstream Network	0.97
% Agricultural Cover in ARA of Upstream Network	68.91	% Other Impervious in ARA of Upstream Network	1.25
% Agricultural Cover in ARA of Downstream Network	51.16	% Other Impervious in ARA of Downstream Network	1.88
% Impervious Surf in ARA of Upstream Network	0.79		
% Impervious Surf in ARA of Downstream Network	1.57		

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)	12.13	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1354.3	# Downstream Natural Barriers	0
Absolute Gain (mi)	12.13	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	33.94		
% Conserved Land in 100m Buffer of Downstream Network	19.29		
Density of Crossings in Upstream Network Watershed (#/m2)	0.59		
Density of Crossings in Downstream Network Watershed (#/m2)	0.68		
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	None Documented	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	4

## 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	No
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	43
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	Yes
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	Yes

## Stream Health

Chesapeake Bay Program Stream Health	FAIR
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	N/A
Rare fish or mussel sp in HUC12	Yes
Rare fish or mussel in upstream or downstream functional network	Yes

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[http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric\\_Glossary.pdf](http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf)