

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_41-063** **PLEASURE**

Bay-wide Diadromous Tier	12
Bay-wide Resident Tier	13
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	41-063
River Name	Mosquito Creek
Dam Height (ft)	5
Dam Type	Unknown
Latitude	41.2133
Longitude	-77.0317
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Mosquito Creek
HUC 10	West Branch Susquehanna River
HUC 8	Lower West Branch Susquehanna
HUC 6	West Branch Susquehanna
HUC 4	Susquehanna



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.12	% Tree Cover in ARA of Upstream Network	62.59
% Natural Cover in Upstream Drainage Area	92.97	% Tree Cover in ARA of Downstream Network	84.83
% Forested in Upstream Drainage Area	91.21	% Herbaceous Cover in ARA of Upstream Network	28.38
% Agriculture in Upstream Drainage Area	4.74	% Herbaceous Cover in ARA of Downstream Network	9.09
% Natural Cover in ARA of Upstream Network	59.7	% Barren Cover in ARA of Upstream Network	0.7
% Natural Cover in ARA of Downstream Network	83.72	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	59.02	% Road Impervious in ARA of Upstream Network	2.64
% Forest Cover in ARA of Downstream Network	83.72	% Road Impervious in ARA of Downstream Network	2.08
% Agricultural Cover in ARA of Upstream Network	17.5	% Other Impervious in ARA of Upstream Network	3.05
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	2.07
% Impervious Surf in ARA of Upstream Network	1.53		
% Impervious Surf in ARA of Downstream Network	0.75		

Metric descriptions can be found at:

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)	5.53	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	7.89	# Downstream Natural Barriers	0
Absolute Gain (mi)	2.37	# Downstream Hydropower Dams	4
# Size Classes in Total Network	2	# Downstream Dams with Passage	6
# Upstream Network Size Classes	2	# of Downstream Barriers	8
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	46.91		
Density of Crossings in Upstream Network Watershed (#/m2)	1.43		
Density of Crossings in Downstream Network Watershed (#/m2)	2.45		
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 Documented		
# 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)	31
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	1
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	N/A
MD MBSS Fish IBI Stream Health	N/A
MD MBSS Combined IBI Stream Health	N/A
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	Good

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