

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **PA_60-021**

HALF WAY

Bay-wide Diadromous Tier	10
Bay-wide Resident Tier	7
Bay-wide Brook Trout Tier	10
NID ID	
State ID	60-021
River Name	Rapid Run
Dam Height (ft)	8
Dam Type	Stone
Latitude	40.99
Longitude	-77.1897
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Rapid Run
HUC 10	Buffalo Creek
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	0.22	% Tree Cover in ARA of Upstream Network	96.84
% Natural Cover in Upstream Drainage Area	94.08	% Tree Cover in ARA of Downstream Network	63.04
% Forested in Upstream Drainage Area	93.85	% Herbaceous Cover in ARA of Upstream Network	1.7
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	33.03
% Natural Cover in ARA of Upstream Network	94.01	% Barren Cover in ARA of Upstream Network	0.19
% Natural Cover in ARA of Downstream Network	61.39	% Barren Cover in ARA of Downstream Network	0.19
% Forest Cover in ARA of Upstream Network	92.84	% Road Impervious in ARA of Upstream Network	0.31
% Forest Cover in ARA of Downstream Network	56.79	% Road Impervious in ARA of Downstream Network	1.07
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.15
% Agricultural Cover in ARA of Downstream Network	29.13	% Other Impervious in ARA of Downstream Network	1.89
% Impervious Surf in ARA of Upstream Network	0.24		
% Impervious Surf in ARA of Downstream Network	1.43		

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)	7.46	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	187.33	# Downstream Natural Barriers	0
Absolute Gain (mi)	7.46	# Downstream Hydropower Dams	4
# Size Classes in Total Network	3	# Downstream Dams with Passage	5
# Upstream Network Size Classes	1	# of Downstream Barriers	7
NFHAP Cumulative Disturbance Index	Moderate		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	95.62		
% Conserved Land in 100m Buffer of Downstream Network	27.68		
Density of Crossings in Upstream Network Watershed (#/m2)	0.36		
Density of Crossings in Downstream Network Watershed (#/m2)	0.91		
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	Yes
Barrier is in Modeled BKT Catchment (DeWeber)	Yes
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
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	GOOD
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	Fair

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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