

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PA021**

Bay-wide Diadromous Tier	4
Bay-wide Resident Tier	20
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	PA021
River Name	Jones Falls
Dam Height (ft)	13
Dam Type	Unknown
Latitude	39.3092
Longitude	-76.6196
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi)
HUC 12	Jones Falls
HUC 10	Patapsco River-Chesapeake Bay
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	16.17	% Tree Cover in ARA of Upstream Network	48.08
% Natural Cover in Upstream Drainage Area	34.7	% Tree Cover in ARA of Downstream Network	6.04
% Forested in Upstream Drainage Area	32.51	% Herbaceous Cover in ARA of Upstream Network	17.23
% Agriculture in Upstream Drainage Area	6.07	% Herbaceous Cover in ARA of Downstream Network	3.31
% Natural Cover in ARA of Upstream Network	26.96	% Barren Cover in ARA of Upstream Network	0.2
% Natural Cover in ARA of Downstream Network	0	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	19.99	% Road Impervious in ARA of Upstream Network	6.74
% Forest Cover in ARA of Downstream Network	0	% Road Impervious in ARA of Downstream Network	23.5
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	21.27
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	66.94
% Impervious Surf in ARA of Upstream Network	22.25		
% Impervious Surf in ARA of Downstream Network	86.1		

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)	6.56	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	8.25	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.69	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	26.51		
% Conserved Land in 100m Buffer of Downstream Network	4.76		
Density of Crossings in Upstream Network Watershed (#/m2)	2.75		
Density of Crossings in Downstream Network Watershed (#/m2)	44.49		
Density of off-channel dams in Upstream Network Watershed (#/m2)	0.13		
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	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current
Presence of 1 or More Downstream Anadromous Species	Current		
# Diadromous Species Downstream (incl eel)	5		

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)	52
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

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

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