

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_161** **unknown**

Bay-wide Diadromous Tier 17
 Bay-wide Resident Tier 7
 Bay-wide Brook Trout Tier 16
 NID ID
 State ID
 River Name Little Back Creek
 Dam Height (ft) 0
 Dam Type
 Latitude 38.2195
 Longitude -79.8306
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1b: Creek (3.861 - 38.61 sq mi)
 HUC 12 Little Back Creek
 HUC 10 Back Creek-Middle Jackson River
 HUC 8 Upper James
 HUC 6 James
 HUC 4 Lower Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.59	% Tree Cover in ARA of Upstream Network	70.94
% Natural Cover in Upstream Drainage Area	92.68	% Tree Cover in ARA of Downstream Network	90.26
% Forested in Upstream Drainage Area	83.25	% Herbaceous Cover in ARA of Upstream Network	26.9
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	0
% Natural Cover in ARA of Upstream Network	77.39	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	93.65	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	75.86	% Road Impervious in ARA of Upstream Network	0.17
% Forest Cover in ARA of Downstream Network	84.13	% Road Impervious in ARA of Downstream Network	0
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0.04
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	0
% Impervious Surf in ARA of Upstream Network	6.31		
% Impervious Surf in ARA of Downstream Network	0.1		

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)	1.29	Upstream Size Class Gain (#)	1
Total Functional Network (mi)	1.41	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.12	# Downstream Hydropower Dams	9
# Size Classes in Total Network	1	# Downstream Dams with Passage	4
# Upstream Network Size Classes	1	# of Downstream Barriers	15
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		Yes	
% Conserved Land in 100m Buffer of Upstream Network		100	
% Conserved Land in 100m Buffer of Downstream Network		100	
Density of Crossings in Upstream Network Watershed (#/m2)		2.23	
Density of Crossings in Downstream Network Watershed (#/m2)		0	
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	None Documented
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	0
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	Yes	Chesapeake Bay Program Stream Health	GOOD
Barrier is in Modeled BKT Catchment (DeWeber)	Yes	MD MBSS Benthic IBI Stream Health	N/A
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	N/A
Native Fish Species Richness (HUC8)	47	VA INSTAR mIBI Stream Health	High
# Rare Fish (HUC8)	2	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	6		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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