

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_1214** **unknown**

Bay-wide Diadromous Tier 8
 Bay-wide Resident Tier 19
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID
 River Name Little Burnt Branch
 Dam Height (ft) 0
 Dam Type
 Latitude 38.4241
 Longitude -75.6079
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1a: Headwater (0 - 3.861 sq mi)
 HUC 12 North Prong Wicomico River
 HUC 10 Wicomico River
 HUC 8 Tangier
 HUC 6 Lower Chesapeake
 HUC 4 Lower Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.17	% Tree Cover in ARA of Upstream Network	17.22
% Natural Cover in Upstream Drainage Area	27.71	% Tree Cover in ARA of Downstream Network	40.05
% Forested in Upstream Drainage Area	14.96	% Herbaceous Cover in ARA of Upstream Network	47.91
% Agriculture in Upstream Drainage Area	64.88	% Herbaceous Cover in ARA of Downstream Network	44.72
% Natural Cover in ARA of Upstream Network	32.5	% Barren Cover in ARA of Upstream Network	0.13
% Natural Cover in ARA of Downstream Network	31.81	% Barren Cover in ARA of Downstream Network	0.46
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	14.63	% Road Impervious in ARA of Downstream Network	3.25
% Agricultural Cover in ARA of Upstream Network	67.5	% Other Impervious in ARA of Upstream Network	16.2
% Agricultural Cover in ARA of Downstream Network	34.17	% Other Impervious in ARA of Downstream Network	9.44
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	10.2		

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)	0.1	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	25.87	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.1	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	2
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	4.58		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.94		
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	Historical	Downstream Striped Bass	None Documented
Downstream Blueback	Potential Current	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	Potential Current		
# 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)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	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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