

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_331** **unknown**

Bay-wide Diadromous Tier **10**
 Bay-wide Resident Tier **11**
 Bay-wide Brook Trout Tier **N/A**
 NID ID
 State ID
 River Name **Branch Creek**
 Dam Height (ft) **0**
 Dam Type
 Latitude **37.5437**
 Longitude **-77.8928**
 Passage Facilities **None Documented**
 Passage Year **N/A**
 Size Class **1a: Headwater (0 - 3.861 sq mi)**
 HUC 12 **Fine Creek-James River**
 HUC 10 **Tuckahoe Creek-James River**
 HUC 8 **Middle James-Willis**
 HUC 6 **James**
 HUC 4 **Lower Chesapeake**



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	3.52	% Tree Cover in ARA of Upstream Network	81.73
% Natural Cover in Upstream Drainage Area	78.86	% Tree Cover in ARA of Downstream Network	58.68
% Forested in Upstream Drainage Area	69.03	% Herbaceous Cover in ARA of Upstream Network	10.34
% Agriculture in Upstream Drainage Area	8.11	% Herbaceous Cover in ARA of Downstream Network	11.87
% Natural Cover in ARA of Upstream Network	84.35	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	93.69	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	79.57	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	58.45	% Road Impervious in ARA of Downstream Network	0.49
% Agricultural Cover in ARA of Upstream Network	14.78	% Other Impervious in ARA of Upstream Network	2.98
% Agricultural Cover in ARA of Downstream Network	4.17	% Other Impervious in ARA of Downstream Network	0.64
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	0.08		

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)	0.41	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	4.63	# Downstream Natural Barriers	0
Absolute Gain (mi)	0.41	# Downstream Hydropower Dams	2
# Size Classes in Total Network	1	# Downstream Dams with Passage	4
# Upstream Network Size Classes	0	# of Downstream Barriers	5
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	0		
Density of Crossings in Upstream Network Watershed (#/m2)	0		
Density of Crossings in Downstream Network Watershed (#/m2)	0.85		
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	Historical	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	Historical		
# 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)	51
# Rare Fish (HUC8)	0
# Rare Mussel (HUC8)	3
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
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	Very High
PA IBI Stream Health	N/A

Metric descriptions can be found at:

http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-prot02/images/Metric_Glossary.pdf