

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_488** **unknown**

Bay-wide Diadromous Tier 10
 Bay-wide Resident Tier 5
 Bay-wide Brook Trout Tier N/A
 NID ID
 State ID
 River Name Market Swamp
 Dam Height (ft) 0
 Dam Type
 Latitude 37.7404
 Longitude -76.9212
 Passage Facilities None Documented
 Passage Year N/A
 Size Class 1a: Headwater (0 - 3.861 sq mi)
 HUC 12 Garnetts Creek
 HUC 10 Garnetts Creek-Mattaponi River
 HUC 8 Mattaponi
 HUC 6 Lower Chesapeake
 HUC 4 Lower Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.32	% Tree Cover in ARA of Upstream Network	87.44
% Natural Cover in Upstream Drainage Area	83.98	% Tree Cover in ARA of Downstream Network	70.87
% Forested in Upstream Drainage Area	64.73	% Herbaceous Cover in ARA of Upstream Network	1.81
% Agriculture in Upstream Drainage Area	13.57	% Herbaceous Cover in ARA of Downstream Network	1.52
% Natural Cover in ARA of Upstream Network	99.76	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	98.1	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	60.83	% Road Impervious in ARA of Upstream Network	0.02
% Forest Cover in ARA of Downstream Network	62.09	% Road Impervious in ARA of Downstream Network	0.17
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	0.08
% Impervious Surf in ARA of Upstream Network	0.03		
% Impervious Surf in ARA of Downstream Network	0.13		

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)	1.36	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	4.39	# Downstream Natural Barriers	0
Absolute Gain (mi)	1.36	# Downstream Hydropower Dams	0
# Size Classes in Total Network	1	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0.23		
% Conserved Land in 100m Buffer of Downstream Network	35.63		
Density of Crossings in Upstream Network Watershed (#/m2)	0.76		
Density of Crossings in Downstream Network Watershed (#/m2)	0.67		
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	None Documented
Presence of 1 or More Downstream Anadromous Species	Historical		
# Diadromous Species Downstream (incl eel)	0		

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)	54
# Rare Fish (HUC8)	2
# Rare Mussel (HUC8)	4
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	FAIR
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