Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **CFPPP_259**   unknown

Diadromous Tier	12
Brook Trout Tier	N/A
Resident Tier	16
NID ID	
State ID	
River Name	
Dam Height (ft)	0
Dam Type	
Latitude	37.8687
Longitude	-78.8654
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Buck Creek-Rockfish River
HUC 10	Upper Rockfish River
HUC 8	Middle James-Buffalo
HUC 6	James
HUC 4	Lower Chesapeake

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	0.44	% Tree Cover in ARA of Upstream Network	66.13
% Natural Cover in Upstream Drainage Area	79.53	% Tree Cover in ARA of Downstream Network	55.68
% Forested in Upstream Drainage Area	77.93	% Herbaceaous Cover in ARA of Upstream Network	30.53
% Agriculture in Upstream Drainage Area	15.69	% Herbaceaous Cover in ARA of Downstream Network	30.39
% Natural Cover in ARA of Upstream Network	52.92	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	69.31	% Barren Cover in ARA of Downstream Network	0
% Forest Cover in ARA of Upstream Network	51.31	% Road Impervious in ARA of Upstream Network	0.88
% Forest Cover in ARA of Downstream Network	32.28	% Road Impervious in ARA of Downstream Network	1.29
% Agricultral Cover in ARA of Upstream Network	41.25	% Other Impervious in ARA of Upstream Network	0.58
% Agricultral Cover in ARA of Downstream Network	18.52	% Other Impervious in ARA of Downstream Network	0.33
% Impervious Surf in ARA of Upstream Network	0.45		
% Impervious Surf in ARA of Downstream Network	0.54		

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)	1.54	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	2.14	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.6	# Downstream Hydropower Dams	4
# Size Classes in Total Network	1	# Downstream Dams with Passage	4
# Upstream Network Size Classes	1	# of Downstream Barriers	8

NFHAP Cumulative Disturbance Index	Low
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)	2.13
Density of Crossings in Downstream Network Watershed (#/m2)	4.54
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)	50
# Rare Fish (HUC8)	0
# 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	Moderate
PA IBI Stream Health	N/A

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