Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_SE004**

Bay-wide Diadromous Tier	4
Bay-wide Resident Tier	18
Bay-wide Brook Trout Tier	N/A
NID ID	
State ID	SE004
River Name	
Dam Height (ft)	8
Dam Type	Unspecified Type
Latitude	39.0266
Longitude	-76.5111
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Whitehall Creek-Severn River-Ch
HUC 10	Severn River-Chesapeake Bay
HUC 8	Severn
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	4.84	% Tree Cover in ARA of Upstream Network	100
% Natural Cover in Upstream Drainage Area	80.24	% Tree Cover in ARA of Downstream Network	71.21
% Forested in Upstream Drainage Area	75.89	% Herbaceaous Cover in ARA of Upstream Network	0
% Agriculture in Upstream Drainage Area	0	% Herbaceaous Cover in ARA of Downstream Network	13.59
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	64.24	% Barren Cover in ARA of Downstream Network	0.03
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0
% Forest Cover in ARA of Downstream Network	44.54	% Road Impervious in ARA of Downstream Network	2.39
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0
% Agricultral Cover in ARA of Downstream Network	3.17	% Other Impervious in ARA of Downstream Network	6.72
% Impervious Surf in ARA of Upstream Network	0		
% Impervious Surf in ARA of Downstream Network	8.72		

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)	0.19	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	123.66	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.19	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	0

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
% Conserved Land in 100m Buffer of Downstream Network	12.57
Density of Crossings in Upstream Network Watershed (#/m2)	0
Density of Crossings in Downstream Network Watershed (#/m2)	1.16
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.04

Diadromous Fish

Downstream Alewife	Current	Downstream Striped Bass	None Documented
Downstream Blueback	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
One or More DS Anadromous Species	Current	# Diadromous Sp Dnstrm (incl eel)	3

Resident Fish and Rare Species

Barrier is in EBTJV BKT Catchment	No
Barrier is in Modeled BKT Catchment (DeWeber)	No
Barrier Blocks an EBTJV Catchment	Yes
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No
Native Fish Species Richness (HUC8)	30
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0
Globally rare or fed listed fish/mussel sp HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No

Stream Health

Chesapeake Bay Program Stream Health	FAIR
MD MBSS Benthic IBI Stream Health	Fair
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Fair
VA INSTAR mIBI Stream Health	N/A
PA IBI Stream Health	N/A

Rare fish or mussel sp in HUC12	No
Rare fish or mussel in upstream or downstream functional network	No

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