Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PXM41**

Diadromous Tier	3
Brook Trout Tier	N/A
Resident Tier	9
NID ID	
State ID	PXM41
River Name	
Dam Height (ft)	0
Dam Type	Unspecified Type
Latitude	38.708
Longitude	-76.6819
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Mataponi Creek-Patuxent River
HUC 10	Middle Patuxent River
HUC 8	Patuxent
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	0.76
% Natural Cover in Upstream Drainage Area	70.17
% Forested in Upstream Drainage Area	63.26
% Agriculture in Upstream Drainage Area	20.04
% Natural Cover in ARA of Upstream Network	73.24
% Natural Cover in ARA of Downstream Network	71.7
% Forest Cover in ARA of Upstream Network	64.79
% Forest Cover in ARA of Downstream Network	37.4
% Agricultral Cover in ARA of Upstream Network	25.35
% Agricultral Cover in ARA of Downstream Network	12.43
% Impervious Surf in ARA of Upstream Network	0.42
% Impervious Surf in ARA of Downstream Network	4.02

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	67.15
% Tree Cover in ARA of Downstream Network	62.66
% Herbaceaous Cover in ARA of Upstream Network	22.63
% Herbaceaous Cover in ARA of Downstream Network	24.77
% Barren Cover in ARA of Upstream Network	0
% Barren Cover in ARA of Downstream Network	0.29
% Road Impervious in ARA of Upstream Network	0.58
% Road Impervious in ARA of Downstream Network	1.31
% Other Impervious in ARA of Upstream Network	5.95
% Other Impervious in ARA of Downstream Network	3.67

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PXM41**

Network, System Type and Condition

Functional Upstream Network (mi)	0.25	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	1231.02	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.25	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	High
Dam is on Conserved Land	No
% Conserved Land in 100m Buffer of Upstream Network	33
% Conserved Land in 100m Buffer of Downstream Network	19.68
Density of Crossings in Upstream Network Watershed (#/m2)	0
Density of Crossings in Downstream Network Watershed (#/m2)	0.64
Density of off-channel dams in Upstream Network Watershed (#/m2)	0
Density of off-channel dams in Downstream Network Watershed (#/m2)	0.02

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

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	3

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)	1
# Rare Crayfish (HUC8)	0

Stream Health

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

Metric descriptions can be found at:
http://52.53.143.233/chesapeake-dev/plugins/barrier-prioritization-proto2/images/Metric_Glossary.pdf

The Nature Conservancy