Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_PO033** **PIERCE MILL**

Diadromous Tier	3
Brook Trout Tier	N/A
Resident Tier	5
NID ID	
State ID	PO033
River Name	Rock Creek
Dam Height (ft)	12
Dam Type	Unspecified Type
Latitude	38.94
Longitude	-77.0513
Passage Facilities	Steepass
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Lower Rock Creek
HUC 10	Rock Creek-Potomac River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac

Landcover

NLCD (2011)	
% Impervious Surface in Upstream Drainage Area	18.45
% Natural Cover in Upstream Drainage Area	24.54
% Forested in Upstream Drainage Area	21.31
% Agriculture in Upstream Drainage Area	6.2
% Natural Cover in ARA of Upstream Network	51.25
% Natural Cover in ARA of Downstream Network	49.05
% Forest Cover in ARA of Upstream Network	44.85
% Forest Cover in ARA of Downstream Network	22.04
% Agricultral Cover in ARA of Upstream Network	1.06
% Agricultral Cover in ARA of Downstream Network	1.78
% Impervious Surf in ARA of Upstream Network	11.09
% Impervious Surf in ARA of Downstream Network	18.92

Chesapeake Conservancy (2016)	
% Tree Cover in ARA of Upstream Network	75.06
% Tree Cover in ARA of Downstream Network	50.22
% Herbaceaous Cover in ARA of Upstream Network	12.67
% Herbaceaous Cover in ARA of Downstream Network	16.85
% Barren Cover in ARA of Upstream Network	0.15
% Barren Cover in ARA of Downstream Network	0.2
% Road Impervious in ARA of Upstream Network	3.88
% Road Impervious in ARA of Downstream Network	6.37
% Other Impervious in ARA of Upstream Network	7.86
% Other Impervious in ARA of Downstream Network	13.38

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)	65.63	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	660.24	# Downsteam Natural Barriers	0
Absolute Gain (mi)	65.63	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	0
# Upstream Network Size Classes	3	# of Downstream Barriers	0

NFHAP Cumulative Disturbance Index	Very High
Dam is on Conserved Land	Yes
% Conserved Land in 100m Buffer of Upstream Network	51.46
% Conserved Land in 100m Buffer of Downstream Network	33.15
Density of Crossings in Upstream Network Watershed (#/m2)	2.23
Density of Crossings in Downstream Network Watershed (#/m2)	1.72
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	Current	Downstream Striped Bass	None Documented
Downstream Blueback	Current	Downstream Atlantic Sturgeon	None Documented
Downstream American Shad	Current	Downstream Shortnose Sturgeon	None Documented
Downstream Hickory Shad	Current	Downstream American Eel	Current

Presence of 1 or More Downstream Anadromous Species	Current
# Diadromous Species Downstream (incl eel)	5

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)	62
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	5
# Rare Crayfish (HUC8)	0

Stream Health

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

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