

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12082**

UPPER ROCK CREEK WATERSHED SITE 5

Diadromous Tier	13
Brook Trout Tier	N/A
Resident Tier	7
NID ID	MD00046
State ID	12082
River Name	Rock Creek
Dam Height (ft)	65
Dam Type	Earth
Latitude	39.1144
Longitude	-77.1296
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1b: Creek (3.861 - 38.61 sq mi)
HUC 12	Upper Rock Creek
HUC 10	Rock Creek-Potomac River
HUC 8	Middle Potomac-Anacostia-Occ
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	7.55	% Tree Cover in ARA of Upstream Network	71.58
% Natural Cover in Upstream Drainage Area	30.02	% Tree Cover in ARA of Downstream Network	75.06
% Forested in Upstream Drainage Area	22.69	% Herbaceous Cover in ARA of Upstream Network	20.88
% Agriculture in Upstream Drainage Area	20.82	% Herbaceous Cover in ARA of Downstream Network	12.67
% Natural Cover in ARA of Upstream Network	65.51	% Barren Cover in ARA of Upstream Network	0.03
% Natural Cover in ARA of Downstream Network	51.25	% Barren Cover in ARA of Downstream Network	0.15
% Forest Cover in ARA of Upstream Network	44.13	% Road Impervious in ARA of Upstream Network	1.62
% Forest Cover in ARA of Downstream Network	44.85	% Road Impervious in ARA of Downstream Network	3.88
% Agricultural Cover in ARA of Upstream Network	16.7	% Other Impervious in ARA of Upstream Network	1.86
% Agricultural Cover in ARA of Downstream Network	1.06	% Other Impervious in ARA of Downstream Network	7.86
% Impervious Surf in ARA of Upstream Network	2.56		
% Impervious Surf in ARA of Downstream Network	11.09		

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)	26.9	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	92.53	# Downstream Natural Barriers	0
Absolute Gain (mi)	26.9	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	2	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index	Not Scored / Unavailable at this scale		
Dam is on Conserved Land	Yes		
% Conserved Land in 100m Buffer of Upstream Network	62.37		
% Conserved Land in 100m Buffer of Downstream Network	51.46		
Density of Crossings in Upstream Network Watershed (#/m2)	1.25		
Density of Crossings in Downstream Network Watershed (#/m2)	2.23		
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	Current
Presence of 1 or More Downstream Anadromous Species	Historical		
# Diadromous Species Downstream (incl eel)	1		

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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