

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12038** **UMBC DAM**

Bay-wide Diadromous Tier	20
Bay-wide Resident Tier	16
Bay-wide Brook Trout Tier	N/A
NID ID	MD00034
State ID	12038
River Name	West Branch Herbert Run
Dam Height (ft)	38
Dam Type	Earth
Latitude	39.2587
Longitude	-76.7077
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Herbert Run-Patapsco River
HUC 10	Patapsco River
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	21.09	% Tree Cover in ARA of Upstream Network	60.21
% Natural Cover in Upstream Drainage Area	17.66	% Tree Cover in ARA of Downstream Network	59.35
% Forested in Upstream Drainage Area	17.12	% Herbaceous Cover in ARA of Upstream Network	20.78
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	21.36
% Natural Cover in ARA of Upstream Network	34.74	% Barren Cover in ARA of Upstream Network	0.96
% Natural Cover in ARA of Downstream Network	49.55	% Barren Cover in ARA of Downstream Network	0.52
% Forest Cover in ARA of Upstream Network	34.74	% Road Impervious in ARA of Upstream Network	8.32
% Forest Cover in ARA of Downstream Network	37.53	% Road Impervious in ARA of Downstream Network	4.82
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	9.73
% Agricultural Cover in ARA of Downstream Network	1.16	% Other Impervious in ARA of Downstream Network	11.2
% Impervious Surf in ARA of Upstream Network	15.97		
% Impervious Surf in ARA of Downstream Network	15.08		

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)	2.36	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	210.69	# Downstream Natural Barriers	0
Absolute Gain (mi)	2.36	# Downstream Hydropower Dams	0
# Size Classes in Total Network	3	# Downstream Dams with Passage	0
# Upstream Network Size Classes	1	# of Downstream Barriers	0
NFHAP Cumulative Disturbance Index	Very High		
Dam is on Conserved Land	No		
% Conserved Land in 100m Buffer of Upstream Network	0		
% Conserved Land in 100m Buffer of Downstream Network	25.65		
Density of Crossings in Upstream Network Watershed (#/m2)	3.49		
Density of Crossings in Downstream Network Watershed (#/m2)	3.58		
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	None Documented	Downstream Striped Bass	None Documented
Downstream Blueback	None Documented	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	None Documented		
# 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)	52
# Rare Fish (HUC8)	1
# Rare Mussel (HUC8)	0
# Rare Crayfish (HUC8)	0

Stream Health

Chesapeake Bay Program Stream Health	POOR
MD MBSS Benthic IBI Stream Health	Poor
MD MBSS Fish IBI Stream Health	Poor
MD MBSS Combined IBI Stream Health	Poor
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-prot02/images/Metric_Glossary.pdf