

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12113** **MONTEBELLO WASTE WATER LAKE**

Bay-wide Diadromous Tier	8
Bay-wide Resident Tier	19
Bay-wide Brook Trout Tier	N/A
NID ID	MD00110
State ID	12113
River Name	
Dam Height (ft)	46
Dam Type	Earth
Latitude	39.3366
Longitude	-76.5828
Passage Facilities	None Documented
Passage Year	N/A
Size Class	1a: Headwater (0 - 3.861 sq mi)
HUC 12	Redhouse Creek-Back River
HUC 10	Back River-Chesapeake Bay
HUC 8	Gunpowder-Patapsco
HUC 6	Upper Chesapeake
HUC 4	Upper Chesapeake



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	43.93	% Tree Cover in ARA of Upstream Network	33.95
% Natural Cover in Upstream Drainage Area	6.88	% Tree Cover in ARA of Downstream Network	48.75
% Forested in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Upstream Network	32.32
% Agriculture in Upstream Drainage Area	0	% Herbaceous Cover in ARA of Downstream Network	15.56
% Natural Cover in ARA of Upstream Network	29.75	% Barren Cover in ARA of Upstream Network	0.22
% Natural Cover in ARA of Downstream Network	32.41	% Barren Cover in ARA of Downstream Network	0.46
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	2.08
% Forest Cover in ARA of Downstream Network	22.44	% Road Impervious in ARA of Downstream Network	6.92
% Agricultural Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	13.12
% Agricultural Cover in ARA of Downstream Network	0	% Other Impervious in ARA of Downstream Network	14.84
% Impervious Surf in ARA of Upstream Network	12.34		
% Impervious Surf in ARA of Downstream Network	18.62		

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)	0.23	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	5.35	# Downsteam Natural Barriers	0
Absolute Gain (mi)	0.23	# Downstream Hydropower Dams	0
# Size Classes in Total Network	2	# Downstream Dams with Passage	0
# Upstream Network Size Classes	0	# of Downstream Barriers	1
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		100	
% Conserved Land in 100m Buffer of Downstream Network		42.64	
Density of Crossings in Upstream Network Watershed (#/m2)		0	
Density of Crossings in Downstream Network Watershed (#/m2)		1.4	
Density of off-channel dams in Upstream Network Watershed (#/m2)		0	
Density of off-channel dams in Downstream Network Watershed (#/m2)		0.15	
Diadromous Fish			
Downstream Alewife	Historical	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)	2
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	ERY_POOR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	Very Poor
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	Poor
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	Very Poor
Native Fish Species Richness (HUC8)	52	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	1	PA IBI Stream Health	N/A
# Rare Mussel (HUC8)	0		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	No
Globally rare or fed listed fish/mussel sp in upstream or downstream functional network	No	Rare fish or mussel in upstream or downstream functional network	No

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