

Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: **MD_12286**

HAGERSTOWN MUNICIPAL PWR PLANT

Bay-wide Diadromous Tier	19
Bay-wide Resident Tier	15
Bay-wide Brook Trout Tier	N/A
NID ID	MD00264
State ID	12286
River Name	Antietam Creek
Dam Height (ft)	10
Dam Type	Gravity
Latitude	39.6305
Longitude	-77.7099
Passage Facilities	None Documented
Passage Year	N/A
Size Class	2: Small River (38.61 - 200 sq mi
HUC 12	Sharmans Branch-Antietam Cree
HUC 10	Antietam Creek
HUC 8	Conococheague-Opequon
HUC 6	Potomac
HUC 4	Potomac



Landcover

NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	4.56	% Tree Cover in ARA of Upstream Network	21.26
% Natural Cover in Upstream Drainage Area	31.03	% Tree Cover in ARA of Downstream Network	31.61
% Forested in Upstream Drainage Area	29.98	% Herbaceous Cover in ARA of Upstream Network	49.52
% Agriculture in Upstream Drainage Area	51.64	% Herbaceous Cover in ARA of Downstream Network	48.3
% Natural Cover in ARA of Upstream Network	7.35	% Barren Cover in ARA of Upstream Network	0.63
% Natural Cover in ARA of Downstream Network	24.28	% Barren Cover in ARA of Downstream Network	0.13
% Forest Cover in ARA of Upstream Network	3.9	% Road Impervious in ARA of Upstream Network	5.89
% Forest Cover in ARA of Downstream Network	16.45	% Road Impervious in ARA of Downstream Network	3.68
% Agricultural Cover in ARA of Upstream Network	25.4	% Other Impervious in ARA of Upstream Network	20.62
% Agricultural Cover in ARA of Downstream Network	37.73	% Other Impervious in ARA of Downstream Network	11.85
% Impervious Surf in ARA of Upstream Network	22.69		
% Impervious Surf in ARA of Downstream Network	14.7		

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)	12.8	Upstream Size Class Gain (#)	0
Total Functional Network (mi)	49.58	# Downsteam Natural Barriers	1
Absolute Gain (mi)	12.8	# Downstream Hydropower Dams	0
# Size Classes in Total Network	4	# Downstream Dams with Passage	1
# Upstream Network Size Classes	3	# of Downstream Barriers	4
NFHAP Cumulative Disturbance Index		Very High	
Dam is on Conserved Land		No	
% Conserved Land in 100m Buffer of Upstream Network		5.99	
% Conserved Land in 100m Buffer of Downstream Network		9.7	
Density of Crossings in Upstream Network Watershed (#/m2)		2.22	
Density of Crossings in Downstream Network Watershed (#/m2)		1.03	
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
One or More DS Anadromous Species	None Docume	# Diadromous Sp Dnstrm (incl eel)	1
Resident Fish and Rare Species		Stream Health	
Barrier is in EBTJV BKT Catchment	No	Chesapeake Bay Program Stream Health	POOR
Barrier is in Modeled BKT Catchment (DeWeber)	No	MD MBSS Benthic IBI Stream Health	Poor
Barrier Blocks an EBTJV Catchment	No	MD MBSS Fish IBI Stream Health	Fair
Barrier Blocks a Modeled BKT Catchment (DeWeber)	No	MD MBSS Combined IBI Stream Health	Poor
Native Fish Species Richness (HUC8)	42	VA INSTAR mIBI Stream Health	N/A
# Rare Fish (HUC8)	0	PA IBI Stream Health	Poor
# Rare Mussel (HUC8)	5		
# Rare Crayfish (HUC8)	0		
Globally rare or fed listed fish/mussel sp HUC12	No	Rare fish or mussel sp in HUC12	Yes
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	Yes

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