Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_593 RAINER DAM

Bay-wide Diadromous Tier 1
Bay-wide Resident Tier 2

Bay-wide Brook Trout Tier N/A

NID ID VA08538

State ID 593

River Name Hawes Millrace

Dam Height (ft) 18

Dam Type Gravity
Latitude 37.6651

Longitude -77.2997

Passage Facilities None Documented

Passage Year N/A

Size Class 1a: Headwater (0 - 3.861 sq mi)

HUC 12 Totopotomoy Creek

HUC 10 Upper Pamunkey River

HUC 8 Pamunkey

HUC 6 Lower Chesapeake

HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.21	% Tree Cover in ARA of Upstream Network	94.45				
% Natural Cover in Upstream Drainage Area	72.76	% Tree Cover in ARA of Downstream Network	65.24				
% Forested in Upstream Drainage Area	61.96	% Herbaceaous Cover in ARA of Upstream Network	4.49				
% Agriculture in Upstream Drainage Area	23.41	% Herbaceaous Cover in ARA of Downstream Network	23.41				
% Natural Cover in ARA of Upstream Network	95.46	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	76.09	% Barren Cover in ARA of Downstream Network	0.11				
% Forest Cover in ARA of Upstream Network	73.92	% Road Impervious in ARA of Upstream Network	0.12				
% Forest Cover in ARA of Downstream Network	32.03	% Road Impervious in ARA of Downstream Network	0.61				
% Agricultral Cover in ARA of Upstream Network	1.81	% Other Impervious in ARA of Upstream Network	0.94				
% Agricultral Cover in ARA of Downstream Network	19.65	% Other Impervious in ARA of Downstream Network	1.09				
% Impervious Surf in ARA of Upstream Network	0.05						
% Impervious Surf in ARA of Downstream Network	0.68						



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# Size Classes in Total Network 5 # Downstream Dams with Passage 0 # Upstream Network Size Classes 1 # of Downstream Barriers 0 NFHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 6.63 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0.59 Density of off-channel dams in Upstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream Network Watershed (#/m2) 0 Density of off-channel dams in Downstream 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 American Shad None Documented Downstream Shortnose Sturgeon None Documented Downstream Hickory Shad None Documented Downstream American Eel Current # Diadromous Species Downstream Anadromous Species Current # Diadromous Species Downstream (incl eel) 3 Resident Fish Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N/A Barrier Blocks an BBTJV Catchment (DeWeber) No MD MBSS Fish IBI Stream Health N/A Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N/A Native Fish Species Richness (HUC8) 1 PA IBI Stream Health N/A Native Fish Species Richness (HUC8) 1 PA IBI Stream Health N/A # Rare Fish (HUC8) 1 PA IBI Stream Health N/A # Rare Fish (HUC8) 1 PA IBI Stream Health N/A	CITTI Offique ID. VA_333	RAINER DAIVI					
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