## **Chesapeake Fish Passage Prioritization - Dam Fact Sheet**

CFPPP Unique ID: VA\_58 BEAUTIFUL RUN DAM #7

Diadromous Tier 12

Brook Trout Tier N/A

Resident Tier 14

NID ID VA11306

State ID 58

River Name

Dam Height (ft) 26

Dam Type Gravity
Latitude 38.2851

Longitude -78.2253

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Beautiful Run

HUC 10 Blue Run-Rapidan River

HUC 8 Rapidan-Upper Rappahannock

HUC 6 Lower Chesapeake
HUC 4 Lower Chesapeake







Landcover				
NLCD (2011)		Chesapeake Conservancy (2016)		
% Impervious Surface in Upstream Drainage Area	0.73	% Tree Cover in ARA of Upstream Network	25.55	
% Natural Cover in Upstream Drainage Area	47.58	% Tree Cover in ARA of Downstream Network	59.12	
% Forested in Upstream Drainage Area	46.57	% Herbaceaous Cover in ARA of Upstream Network	57.76	
% Agriculture in Upstream Drainage Area	45.91	% Herbaceaous Cover in ARA of Downstream Network	37.94	
% Natural Cover in ARA of Upstream Network	21.36	% Barren Cover in ARA of Upstream Network	0	
% Natural Cover in ARA of Downstream Network	45.08	% Barren Cover in ARA of Downstream Network	0.35	
% Forest Cover in ARA of Upstream Network	2.91	% Road Impervious in ARA of Upstream Network	0	
% Forest Cover in ARA of Downstream Network	42.26	% Road Impervious in ARA of Downstream Network	0.72	
% Agricultral Cover in ARA of Upstream Network	78.64	% Other Impervious in ARA of Upstream Network	1.34	
% Agricultral Cover in ARA of Downstream Network	49.71	% Other Impervious in ARA of Downstream Network	0.61	
% Impervious Surf in ARA of Upstream Network	0			
% Impervious Surf in ARA of Downstream Network	0.5			



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Barrier Blocks an EBTJV Catchment Yes MD MBSS Fish IBI Stream Health N Barrier Blocks a Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N Native Fish Species Richness (HUC8) 38 VA INSTAR mIBI Stream Health N	
Total Functional Network (mi) 521.65 # Downstream Natural Barriers  Absolute Gain (mi) 1.16 # Downstream Hydropower Dams  # Size Classes in Total Network 4 # Downstream Dams with Passage  # Upstream Network Size Classes 1 # of Downstream Barriers  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 33.18  Density of Crossings in Upstream Network Watershed (#/m2) 0  Density of Crossings in Downstream Network Watershed (#/m2) 0.88  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  Diadromous Fish  Downstream Alewife Historical Downstream Striped Bass None Docum  Downstream American Shad None Documented Downstream Atlantic Sturgeon None Docum  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 Stream Health P  Resident Fish Stream Health No MD MBSS Benthic IBI Stream Health No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No No MD MBSS Combined IBI Stream Health No No N	
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# Rare Fish (HUC8) 0 PA IBI Stream Health	Moderate
	N/A
# Rare Mussel (HUC8) 4	
# Rare Crayfish (HUC8) 0	

