Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_110 SMILEY DAM

Diadromous Tier 2

Brook Trout Tier N/A

Resident Tier 10

NID ID VA04713

State ID 110

River Name

Dam Height (ft) 29

Dam Type

Latitude 38.6312

Longitude -78.0207

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Mill Run-Thornton River

HUC 10 Thornton 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	0.2	% Tree Cover in ARA of Upstream Network	0				
% Natural Cover in Upstream Drainage Area	53.88	% Tree Cover in ARA of Downstream Network	62.07				
% Forested in Upstream Drainage Area	52.71	% Herbaceaous Cover in ARA of Upstream Network	0				
% Agriculture in Upstream Drainage Area	40.24	% Herbaceaous Cover in ARA of Downstream Network	28.22				
% Natural Cover in ARA of Upstream Network	0	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	61.15	% Barren Cover in ARA of Downstream Network	0.27				
% Forest Cover in ARA of Upstream Network	0	% Road Impervious in ARA of Upstream Network	0				
% Forest Cover in ARA of Downstream Network	38.92	% Road Impervious in ARA of Downstream Network	0.91				
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	0				
% Agricultral Cover in ARA of Downstream Network	32.21	% Other Impervious in ARA of Downstream Network					
% Impervious Surf in ARA of Upstream Network	0						
% Impervious Surf in ARA of Downstream Network	1.05						



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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 Moderate Dam is on Conserved Land No % Conserved Land in 100m Buffer of Upstream Network 0 % Conserved Land in 100m Buffer of Downstream Network 20.81 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0.91 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 Downstream Alewife Current Downstream Striped Bass 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 Current # Diadromous Species Downstream (incl eel) 3 Resident Fish Stream Health GO Barrier is in EBTJV BKT Catchment (DeWeber) No MD MBSS Benthic IBI Stream Health N// Barrier Blocks an EBTJV Catchment Yes MD MBSS Fish IBI Stream Health N// Barrier Blocks an Modeled BKT Catchment (DeWeber) No MD MBSS Combined IBI Stream Health N// Barrier Fish Species Richness (HUC8) 38 VA INSTAR mIBI Stream Health Ver						
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						-
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