Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID:	VA_489		WILSONS DAM	
Bay-wide Diadromous Tier		3		ı
Bay-wide Resident Tier		3		
Bay-wide Brook Trout Tier		N/A		
NID ID	VA14712			
State ID	489			
River Name				
Dam Height (ft)	24			
Dam Type	Earth			
Latitude	37.2904			
Longitude	-78.2853			

Passage Facilities None Documented

Passage Year N/A

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

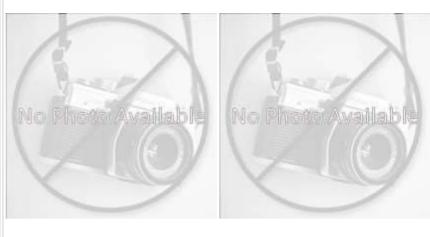
HUC 12 Saylers Creek

HUC 10 Big Guinea Creek-Appomattox Ri

HUC 8 Appomattox

HUC 6 James

HUC 4 Lower Chesapeake







Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0.37	% Tree Cover in ARA of Upstream Network	67.61		
% Natural Cover in Upstream Drainage Area	66.21	% Tree Cover in ARA of Downstream Network	86.58		
% Forested in Upstream Drainage Area	61.99	% Herbaceaous Cover in ARA of Upstream Network	16.13		
% Agriculture in Upstream Drainage Area	28.52	% Herbaceaous Cover in ARA of Downstream Network	9.87		
% Natural Cover in ARA of Upstream Network	75.07	% Barren Cover in ARA of Upstream Network	0		
% Natural Cover in ARA of Downstream Network	88.39	% Barren Cover in ARA of Downstream Network	0.08		
% Forest Cover in ARA of Upstream Network	58.9	% Road Impervious in ARA of Upstream Network	0.47		
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36		
% Agricultral Cover in ARA of Upstream Network	23.56	% Other Impervious in ARA of Upstream Network	0.41		
% Agricultral Cover in ARA of Downstream Network	9.87	% Other Impervious in ARA of Downstream Network	0.38		
% Impervious Surf in ARA of Upstream Network	0.06				
% Impervious Surf in ARA of Downstream Network	0.27				



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CFPPP Unique ID: VA 489 **WILSONS DAM** Network, System Type and Condition Functional Upstream Network (mi) Upstream Size Class Gain (#) O 1.18 Total Functional Network (mi) 2957.86 # Downsteam Natural Barriers 0 Absolute Gain (mi) 1.18 3 # Downstream Hydropower Dams # Size Classes in Total Network 5 # Downstream Dams with Passage 3 # Upstream Network Size Classes # of Downstream Barriers 3 1 NEHAP Cumulative Disturbance Index Not Scored / Unavailable at this scale Dam is on Conserved Land Nο % Conserved Land in 100m Buffer of Upstream Network \cap % Conserved Land in 100m Buffer of Downstream Network 5.91 Density of Crossings in Upstream Network Watershed (#/m2) 0 Density of Crossings in Downstream Network Watershed (#/m2) 0.5 Density of off-channel dams in Upstream Network Watershed (#/m2) Density of off-channel dams in Downstream Network Watershed (#/m2) \cap Diadromous Fish Downstream Alewife None Documented Current Downstream Striped Bass Downstream Blueback Historical Downstream Atlantic Sturgeon None Documented Downstream American Shad None Documented None Documented Downstream Shortnose Sturgeon Downstream Hickory Shad None Documented Downstream American Eel Current One or More DS Anadromous Species Current # Diadromous Sp Dnstrm (incl eel) 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 N/A Barrier Blocks an EBTJV Catchment 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) 58 VA INSTAR mIBI Stream Health Moderate # Rare Fish (HUC8) 1 PA IBI Stream Health N/A # Rare Mussel (HUC8) 3 # Rare Crayfish (HUC8) 0 Globally rare or fed listed fish/mussel sp HUC12 Rare fish or mussel sp in HUC12 No Nο Globally rare or fed listed fish/mussel sp in Rare fish or mussel in upstream or



Yes

upstream or downstream functional network

No

downstream functional network