Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_498 MURPHY DAM

Diadromous Tier 13

Brook Trout Tier N/A

Resident Tier 17

NID ID VA14721

State ID 498

River Name

Dam Height (ft) 26

Dam Type Earth

Latitude 37.2653

Longitude -78.4425

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Locket Creek-Buffalo Creek

HUC 10 Buffalo Creek

HUC 8 Appomattox

HUC 6 James

HUC 4 Lower Chesapeake







Landcover						
NLCD (2011)		Chesapeake Conservancy (2016)				
% Impervious Surface in Upstream Drainage Area	0	% Tree Cover in ARA of Upstream Network	37.53			
% Natural Cover in Upstream Drainage Area	48.89	% Tree Cover in ARA of Downstream Network	64.25			
% Forested in Upstream Drainage Area	44.6	% Herbaceaous Cover in ARA of Upstream Network	39.93			
% Agriculture in Upstream Drainage Area	51.11	% Herbaceaous Cover in ARA of Downstream Network	32.07			
% Natural Cover in ARA of Upstream Network	36.49	% Barren Cover in ARA of Upstream Network	0			
% Natural Cover in ARA of Downstream Network	61.99	% Barren Cover in ARA of Downstream Network	0			
% Forest Cover in ARA of Upstream Network	17.57	% Road Impervious in ARA of Upstream Network	0.36			
% Forest Cover in ARA of Downstream Network	59.73	% Road Impervious in ARA of Downstream Network	0			
% Agricultral Cover in ARA of Upstream Network	63.51	% Other Impervious in ARA of Upstream Network	0			
% Agricultral Cover in ARA of Downstream Network 38.01		% Other Impervious in ARA of Downstream Network	0.37			
% Impervious Surf in ARA of Upstream Network	0					
% Impervious Surf in ARA of Downstream Network	0					



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	Network, Sys	stem Typ	e and Condition		
Functional Upstream Network	k (mi) 0.06		Upstream Size Class Gain (#	!)	0
Γotal Functional Network (mi)	0.54		# Downsteam Natural Barri	ers	0
Absolute Gain (mi)	0.06		# Downstream Hydropower	Dams	3
‡ Size Classes in Total Networ	·k 0		# Downstream Dams with F	assage	3
# Upstream Network Size Clas	sses 0		# of Downstream Barriers		4
NFHAP Cumulative Disturband	ce Index		Very High		
Dam is on Conserved Land			No		
% Conserved Land in 100m Bu	uffer of Upstream Networ	rk	0		
% Conserved Land in 100m Bu	uffer of Downstream Netv	work	0		
Density of Crossings in Upstre	eam Network Watershed	(#/m2)	0		
Density of Crossings in Downs		-			
Density of off-channel dams in	•				
Density of off-channel dams in	n Downstream Network V	Natershe	ed (#/m2) 0		
	Di	iadromo	us Fish		
Downstream Alewife	Historical	Do			
DOWNISH CAIN AICWITE	Tilstorical	DO	wnstream Striped Bass	None Doci	umented
Downstream Blueback	Historical		wnstream Striped Bass wnstream Atlantic Sturgeon	None Doci	
		Do			umented
Downstream Blueback	Historical	Do Do	wnstream Atlantic Sturgeon	None Doc	umented umented
Downstream Blueback Downstream American Shad	Historical None Documented None Documented	Do Do	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon	None Doci	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad	Historical None Documented None Documented stream Anadromous Spec	Do Do	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel	None Doci	umented umented
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Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Historical None Documented None Documented stream Anadromous Spectoream (incl eel)	Do Do Do cies His	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical	None Doct None Doct Mone Doct The state of the state o	umented umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside	Historical None Documented None Documented stream Anadromous Spectream (incl eel) ent Fish ment	Do Do Do cies His	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea	None Doct None Doct m Health eam Health	umented umented umented
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Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchn Barrier Blocks an EBTJV Catch	Historical None Documented None Documented Stream Anadromous Spectoream (incl eel) ent Fish ment Inchment (DeWeber)	Do Do Do cies His O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream	None Doct None Doct Mone Doct Mealth Health Health alth	umented umented umented FAIR N/A
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Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchn Barrier is in Modeled BKT Cat Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT Native Fish Species Richness (Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) ent Fish ment Inchment (DeWeber) Inment Catchment (DeWeber) Ident (DeWeber)	Do Do Do Cies His O No No No	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stream	None Docu None Docu Mone Docu m Health eam Health Health alth	FAIR N/A N/A
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