Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_498 MURPHY DAM

Bay-wide Diadromous Tier 13Bay-wide Resident Tier 17

Bay-wide Brook Trout Tier N/A

NID ID VA14721

State ID 498

River Name

Latitude

Dam Height (ft) 26

Dam Type Earth

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

37.2653

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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CITTI Ollique ID. VA_438	WORFHT DAW						
	Network, S	ystem	Type and	Condition			
Functional Upstream Network (mi) 0.06			Upstream Size Class Gain (#)			0	
Total Functional Network (mi) 0.54			#	# Downsteam Natural Barriers		0	
Absolute Gain (mi) 0.06			#	# Downstream Hydropower Dams			
# Size Classes in Total Network 0			#	# Downstream Dams with Passage			
# Upstream Network Size Classes 0			#	# of Downstream Barriers			
NFHAP Cumulative Disturbanc	e 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			<	0			
Density of Crossings in Upstre	am Network Watershed	d (#/m	12)	0			
Density of Crossings in Downs	tream Network Waters	hed (#	#/m2)	0			
Density of off-channel dams in	u Upstream Network W	atersh	ned (#/m2)	0			
Density of off-channel dams in	n Downstream Network	Wate	ershed (#/n	12) 0			
	1	Diadro	omous Fish				
Downstream Alewife	Historical		Downstre	nstream Striped Bass None Doc		cumented	
Downstream Blueback	Historical	al		Downstream Atlantic Sturgeon		None Documented	
Downstream American Shad	None Documented		Downstre	eam Shortnose Sturgeon	None Documented		
Downstream Hickory Shad	None Documented		Downstre	eam American Eel	None Doo	cumented	
Presence of 1 or More Downs	tream Anadromous Spe	ecies	Historical				
# Diadromous Species Downs	tream (incl eel)		0				
Resident Fish			Stream Health				
Barrier is in EBTJV BKT Catchment No		No	Che	Chesapeake Bay Program Stream Health FAIR			
Barrier is in Modeled BKT Catchment (DeWeber) No		No	MD	MD MBSS Benthic IBI Stream Health N/A			
Barrier Blocks an EBTJV Catchment No.		No	MD	MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber) No		No	MD	MD MBSS Combined IBI Stream Health		N/A	
Native Fish Species Richness (HUC8) 58		VA	VA INSTAR mIBI Stream Health				
# Rare Fish (HUC8)		1	PA	PA IBI Stream Health			
# Rare Mussel (HUC8)		3				N/A	
		0					

