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

CFPPP Unique ID: VA\_984 BUFFALO RIVER DAM #4A

Bay-wide Diadromous Tier 8
Bay-wide Resident Tier 6
Bay-wide Brook Trout Tier N/A
NID ID VA00924
State ID 984
River Name Mill Creek
Dam Height (ft) 64

Dam Type Earth
Latitude 37.6591
Longitude -79.0786

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)
HUC 12 Stonewall Creek-Buffalo River

HUC 10 Buffalo River

HUC 8 Middle James-Buffalo

HUC 6 James

HUC 4 Lower Chesapeake







Landcover							
NLCD (2011)		Chesapeake Conservancy (2016)					
% Impervious Surface in Upstream Drainage Area	0.51	% Tree Cover in ARA of Upstream Network	66.3				
% Natural Cover in Upstream Drainage Area	54.72	% Tree Cover in ARA of Downstream Network	78.06				
% Forested in Upstream Drainage Area	50.75	% Herbaceaous Cover in ARA of Upstream Network	22.55				
% Agriculture in Upstream Drainage Area	40	% Herbaceaous Cover in ARA of Downstream Network	20.46				
% Natural Cover in ARA of Upstream Network	67.28	% Barren Cover in ARA of Upstream Network	0				
% Natural Cover in ARA of Downstream Network	68.36	% Barren Cover in ARA of Downstream Network	0				
% Forest Cover in ARA of Upstream Network	57.21	% Road Impervious in ARA of Upstream Network	0.65				
% Forest Cover in ARA of Downstream Network	67.89	% Road Impervious in ARA of Downstream Network	0.79				
% Agricultral Cover in ARA of Upstream Network	28.62	% Other Impervious in ARA of Upstream Network	0.24				
% Agricultral Cover in ARA of Downstream Network	23.78	% Other Impervious in ARA of Downstream Network	0.3				
% Impervious Surf in ARA of Upstream Network	0.35						
% Impervious Surf in ARA of Downstream Network	0.66						



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CFPPP Offique ID: VA_984	BUFFALO RIVER	K DAIVI <del>I</del>	#44			
	Network, Sy	ystem 7	Type and Condition			
Functional Upstream Network (mi) 27.75			Upstream Size Class Gain (#)		0	
Total Functional Network (mi) 221.39			# Downsteam Natural Barriers		0	
Absolute Gain (mi) 27.75			# Downstream Hydropower Dams		2	
# Size Classes in Total Networ	k 3		# Downstream Dams with	Passage	4	
# Upstream Network Size Clas	sses 2		# of Downstream Barriers		6	
NFHAP Cumulative Disturband	ce Index		Moderate			
Dam is on Conserved Land			No			
% Conserved Land in 100m Bu	uffer of Upstream Netwo	ork	4.92			
% Conserved Land in 100m Buffer of Downstream Networ		etwork	10.99			
Density of Crossings in Upstre	am Network Watershed	d (#/m2	2) 1.21			
Density of Crossings in Downs			•			
Density of off-channel dams in	•					
Density of off-channel dams in	n Downstream Network	Water	rshed (#/m2) 0			
			mous Fish			
Downstream Alewife	Historical		Downstream Striped Bass None Do		cumented	
Downstream Blueback	Historical		Downstream Atlantic Sturgeon	None Doo	cumented	
Downstream American Shad	None Documented		Downstream Shortnose Sturgeon	None Doo	cumented	
Downstream Hickory Shad	None Documented		Downstream American Eel	Current		
Presence of 1 or More Downs	stream Anadromous Spe	ecies	Historical			
# Diadromous Species Downs	tream (incl eel)		1			
Pacida	ant Fish		Stron	ım Haalth		
Resident Fish  Barrier is in EBTJV BKT Catchment		No		Stream Health Chesapeake Bay Program Stream Health FAIR		
Barrier is in Modeled BKT Catchment (DeWeber)		No		MD MBSS Benthic IBI Stream Health N/A		
		Yes		MD MBSS Fish IBI Stream Health  N/A		
Barrier Blocks a Modeled BKT Catchment (DeWeber) N				MD MBSS Combined IBI Stream Health N/A		
,		50	VA INSTAR mIBI Stream Hea			
		0	PA IBI Stream Health	CII	Moderate N/A	
		4	I A IDI SU CAIII HEAILH		IN/ A	
# Rare Crayfish (HUC8)						
# Nate Claylish (MUCO)		0				

