Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA 480 **BUFFALO CREEK DAM #4**

Bav-wide Diadromous Tier 1 Bay-wide Resident Tier 1 Bay-wide Brook Trout Tier N/A

NID ID VA14703

State ID 480

River Name Spring Creek

46 Dam Height (ft)

Dam Type Earth

Latitude 37.2137

Longitude -78.6159

Passage Facilities None Documented

Passage Year N/A

Size Class 1b: Creek (3.861 - 38.61 sq mi)

HUC 12 Spring 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 0.32		% Tree Cover in ARA of Upstream Network					
% Natural Cover in Upstream Drainage Area	73.91	% Tree Cover in ARA of Downstream Network	86.58				
% Forested in Upstream Drainage Area	63.95	% Herbaceaous Cover in ARA of Upstream Network	13.47				
% Agriculture in Upstream Drainage Area	23.18	% Herbaceaous Cover in ARA of Downstream Network	9.87				
% Natural Cover in ARA of Upstream Network	84.57	% 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	70.13	% Road Impervious in ARA of Upstream Network	0.33				
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36				
% Agricultral Cover in ARA of Upstream Network	14.22	% Other Impervious in ARA of Upstream Network	0.34				
% 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	0.1						
% Impervious Surf in ARA of Downstream Network	0.27						



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	Network, System	m Type	and Condition		
Functional Upstream Network	(mi) 35.18		Upstream Size Class Gain (#)		0
Total Functional Network (mi)	otal Functional Network (mi) 2991.86		# Downsteam Natural Barriers		0
Absolute Gain (mi)	35.18		# Downstream Hydropower Dams		3
# Size Classes in Total Networl	k 5		# Downstream Dams with Passag		3
# Upstream Network Size Clas	ses 2	# of Downstream Barrie			3
NFHAP Cumulative Disturbance	e Index		Moderate		
Dam is on Conserved Land			No		
% Conserved Land in 100m Buffer of Upstream Network			3.07		
% Conserved Land in 100m Buffer of Downstream Network			5.91		
Density of Crossings in Upstre	0.54				
Density of Crossings in Downs	tream Network Watershed	(#/m2)	0.5		
Density of off-channel dams in	n Upstream Network Waters	shed (#	t/m2) 0.03		
Density of off-channel dams in	n Downstream Network Wa	tershed	d (#/m2) 0		
	Diad	romou	s Fish		
Downstream Alewife	Current	Dov	vnstream Striped Bass	umented	
Downstream Blueback	Historical	Downstream Atlantic Sturgeon		None Documented	
Downstream American Shad	None Documented	Dov	vnstream Shortnose Sturgeon	None Doc	umented
Downstream Hickory Shad	None Documented	Dov	vnstream American Eel	Current	
Presence of 1 or More Downs	tream Anadromous Species	Curr	rent		
# Diadromous Species Downs	tream (incl eel)	2			
Resident Fish			Stream Health		
Barrier is in EBTJV BKT Catchment No			Chesapeake Bay Program Stream Health FAIR		
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					

