Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_485 BUFFALO CREEK DAM #6

Bay-wide Diadromous Tier 1

Bay-wide Resident Tier 1

Bay-wide Brook Trout Tier N/A

485

NID ID VA14708

River Name Browns Branch

Dam Height (ft) 38

State ID

Dam Type Earth

Latitude 37.1702

Longitude -78.5821

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Little Buffalo Creek-Buffalo Cree

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	0.19	% Tree Cover in ARA of Upstream Network	86.38					
% Natural Cover in Upstream Drainage Area	70.47	% Tree Cover in ARA of Downstream Network	86.58					
% Forested in Upstream Drainage Area	57.16	% Herbaceaous Cover in ARA of Upstream Network	9.15					
% Agriculture in Upstream Drainage Area	26.76	% Herbaceaous Cover in ARA of Downstream Network	9.87					
% Natural Cover in ARA of Upstream Network	91.68	% 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	68.34	% Road Impervious in ARA of Upstream Network	0.23					
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36					
% Agricultral Cover in ARA of Upstream Network	7.31	% Other Impervious in ARA of Upstream Network	0.01					
% 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	0.05							
% Impervious Surf in ARA of Downstream Network	0.27							



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	20						
	Network, Sy	ystem	Type and Cond	lition			
Functional Upstream Network	k (mi) 11.71		Upstream Size Class Gain (#)			0	
Total Functional Network (mi)	2968.38	2968.38		# Downsteam Natural Barriers		0	
Absolute Gain (mi)	11.71		# Dow	# Downstream Hydropower D		3	
# Size Classes in Total Networ	k 5		# Downstream Dams with Pas		assage	3	
# Upstream Network Size Clas	sses 1		# of Downstream Barriers			3	
NFHAP Cumulative Disturband	ce Index			High			
Dam is on Conserved Land				No			
% Conserved Land in 100m Buffer of Upstream Network				0			
% Conserved Land in 100m Bu	iffer of Downstream Ne	twork	<	5.91			
Density of Crossings in Upstream Network Watershed (#/n			12)	0.76			
Density of Crossings in Downstream Network Watershed (#				0.5			
Density of off-channel dams in	•			0			
Density of off-channel dams in	n Downstream Network	Wate	ershed (#/m2)	0			
	[Diadro	omous Fish				
Downstream Alewife	Current		Downstream Striped Bass None D		None Doc	umented	
Downstream Blueback	Historical		Downstream Atlantic Sturgeon None		None Doc	Documented	
Downstream American Shad	None Documented		Downstream S	Shortnose Sturgeon	None Doc	umented	
Downstream Hickory Shad	None Documented		Downstream /	American Eel	Current		
Presence of 1 or More Downs	stream Anadromous Spe	ecies	Current				
# Diadromous Species Downs	tream (incl eel)		2				
Reside	ent Fish			Strea	m Health		
		No	Chesape	Chesapeake Bay Program Stream Health FAIR			
Barrier is in Modeled BKT Catchment (DeWeber)		No	MD MBS	, ,		N/A	
Barrier Blocks an EBTJV Catchment		No	MD MBS	MD MBSS Fish IBI Stream Health		N/A	
Barrier Blocks a Modeled BKT Catchment (DeWeber)		No	MD MBS	-		N/A	
Native Fish Species Richness (HUC8)		58	VA INST	VA INSTAR mIBI Stream Health		Moderate	
# Rare Fish (HUC8)		1	PA IBI St	PA IBI Stream Health		N/A	
# Rare Mussel (HUC8)		3					
# Rare Crayfish (HUC8)		0					

