Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_VA12514 Black Creek Impoundment

Bay-wide Diadromous Tier 5 Bay-wide Resident Tier Bay-wide Brook Trout Tier N/A NID ID VA12514 State ID VA12514 River Name Black Creek 23.5 Dam Height (ft) Dam Type Latitude 37.7113

Passage Facilities None Documented

Passage Year N/A

Longitude

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

-78.9524

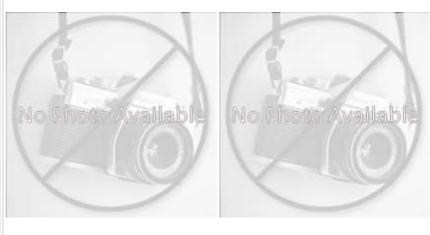
HUC 12 Black Creek-Tye River

HUC 10 Upper Tye River

HUC 8 Middle James-Buffalo

HUC 6 James

HUC 4 Lower Chesapeake







	Land	cover	
NLCD (2011)		Chesapeake Conservancy (2016)	
% Impervious Surface in Upstream Drainage Area	1.76	% Tree Cover in ARA of Upstream Network	68.01
% Natural Cover in Upstream Drainage Area	63.37	% Tree Cover in ARA of Downstream Network	79.1
% Forested in Upstream Drainage Area	62.4	% Herbaceaous Cover in ARA of Upstream Network	27.28
% Agriculture in Upstream Drainage Area	24.06	% Herbaceaous Cover in ARA of Downstream Network	15.73
% Natural Cover in ARA of Upstream Network	44.55	% Barren Cover in ARA of Upstream Network	0
% Natural Cover in ARA of Downstream Network	79.33	% Barren Cover in ARA of Downstream Network	0.1
% Forest Cover in ARA of Upstream Network	44.07	% Road Impervious in ARA of Upstream Network	2.71
% Forest Cover in ARA of Downstream Network	65.28	% Road Impervious in ARA of Downstream Network	0.6
% Agricultral Cover in ARA of Upstream Network	33.41	% Other Impervious in ARA of Upstream Network	0.85
% Agricultral Cover in ARA of Downstream Network	16.03	% Other Impervious in ARA of Downstream Network	0.78
% Impervious Surf in ARA of Upstream Network	2.6		
% Impervious Surf in ARA of Downstream Network	0.71		



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	2. Diadk dicck imp						
	Network, Sy	ystem	Туре	and Cond	dition		
Functional Upstream Network	(mi) 7.69			Upstre	eam Size Class Gain (‡	!)	0
Total Functional Network (mi)	5438.72			# Dow	ınsteam Natural Barri	ers	0
Absolute Gain (mi)	7.69			# Dow	nstream Hydropowe	r Dams	2
# Size Classes in Total Networ	k 6			# Dow	nstream Dams with I	Passage	4
# Upstream Network Size Clas	sses 1			# of D	ownstream Barriers		4
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	<		11.23		
Density of Crossings in Upstream Network Watershed (#/m			12)		2.86		
Density of Crossings in Downs	tream Network Waters	hed (#	#/m2)		0.84		
Density of off-channel dams in	າ Upstream Network Wa	atersh	ned (#/	'm2)	0		
Density of off-channel dams in	n Downstream Network	Wate	ershed	(#/m2)	0		
) in dwa	omous	Tich			
Downstream Alewife	Potential Current	Jiaurc			Striped Bass	None Doo	cumentec
Downstream Blueback	Potential Current			·		None Doo	rumenter
Downstream American Shad	None Documented					None Doo	
			Downstream Shortnose Sturged				,umentec
Downstream Hickory Shad	None Documented		Downstream American Eel Current				
Presence of 1 or More Downs	tream Anadromous Spe	ecies	Pote	ntial Curr	e		
# Diadromous Species Downs	tream (incl eel)		1				
Reside	ent Fish				Strea	m Health	
Barrier is in EBTJV BKT Catchment		No		Chesapeake Bay Program Stream Health GOOD			
Barrier is in Modeled BKT Catchment (DeWeber)		No		MD MBSS Benthic IBI Stream Health N/A			N/A
Barrier Blocks an EBTJV Catchment		Yes		MD MBSS Fish IBI Stream Health			N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)		No		MD MBSS Combined IBI Stream Health N/A			N/A
Native Fish Species Richness (HUC8)		50		VA INSTAR mIBI Stream Health			High
# Rare Fish (HUC8)		0		PA IBI S	tream Health		N/A
# Rare Mussel (HUC8)		4					•
# Rare Crayfish (HUC8)		0					
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