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

CFPPP Unique ID: VA\_404 **MOTOAKA DAM** Diadromous Tier 3 Brook Trout Tier N/A **Resident Tier** 5 NID ID VA09510 404 State ID River Name College Creek Dam Height (ft) 24 Dam Type Earth Latitude 37.2638 Longitude -76.7222 Passage Facilities None Documented N/A Passage Year Size Class 1a: Headwater (0 - 3.861 sq mi) HUC 12 College Creek HUC 10 Lawnes Creek-James River **Lower James** HUC8 HUC 6 James

Lower Chesapeake



Landcover									
NLCD (2011)		Chesapeake Conservancy (2016)							
% Impervious Surface in Upstream Drainage Area	17.1	% Tree Cover in ARA of Upstream Network	68.75						
% Natural Cover in Upstream Drainage Area	56.01	% Tree Cover in ARA of Downstream Network	59.94						
% Forested in Upstream Drainage Area	49.6	% Herbaceaous Cover in ARA of Upstream Network	8.49						
% Agriculture in Upstream Drainage Area	0.82	% Herbaceaous Cover in ARA of Downstream Network	13.22						
% Natural Cover in ARA of Upstream Network	72.85	% Barren Cover in ARA of Upstream Network	0						
% Natural Cover in ARA of Downstream Network	82.3	% Barren Cover in ARA of Downstream Network	0						
% Forest Cover in ARA of Upstream Network	51.13	% Road Impervious in ARA of Upstream Network	3.42						
% Forest Cover in ARA of Downstream Network	27.79	% Road Impervious in ARA of Downstream Network	1.82						
% Agricultral Cover in ARA of Upstream Network	1.59	% Other Impervious in ARA of Upstream Network	7.16						
% Agricultral Cover in ARA of Downstream Network	2.23	% Other Impervious in ARA of Downstream Network	2.15						
% Impervious Surf in ARA of Upstream Network	8.66								
% Impervious Surf in ARA of Downstream Network	2.19								

No Photo Available



HUC 4

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CIFFF Offique ID. VA_404	IVIO I CARA DAIVI						
	Network, Sy	rstem	n Type an	d Cond	dition		
Functional Upstream Network	k (mi) 5.71			Upstre	eam Size Class Gain (‡	<b>!</b> )	0
Total Functional Network (mi)	49.68			# Dow	nsteam Natural Barri	ers	0
Absolute Gain (mi)	5.71			# Dow	nstream Hydropowe	r Dams	0
# Size Classes in Total Networ	k 3			# Dow	nstream Dams with F	Passage	0
# Upstream Network Size Clas	sses 1			# of D	ownstream Barriers		0
NFHAP Cumulative Disturband	ce Index				Very High		
Dam is on Conserved Land					Yes		
% Conserved Land in 100m Bu	ıffer of Upstream Netwo	ork			77.89		
% Conserved Land in 100m Bu	uffer of Downstream Net	twork	k		21.34		
Density of Crossings in Upstre	am Network Watershed	(#/m	m2)		0.81		
Density of Crossings in Downs	tream Network Watersh	ned (#	#/m2)		0.99		
Density of off-channel dams in	າ Upstream Network Wa	atersh	hed (#/m	2)	0		
Density of off-channel dams in	n Downstream Network	Wate	ershed (#	/m2)	0		
		)iadro	omous Fi	ch.			
Downstream Alewife	Current		Downstream Striped Bass None Doo			umentec	
Downstream Blueback	Current		Downst	ream	Atlantic Sturgeon	None Doc	umentec
Downstream American Shad	None Documented		Downst	ream	Shortnose Sturgeon	None Doc	umentec
Downstream Hickory Shad	None Documented		Downst	ream	American Eel	Current	
Presence of 1 or More Downs	stream Anadromous Spe	cies	Current				
# Diadromous Species Downstream (incl eel)			3				
	ed				C+uoo	,,, , , , , , , , , , , , , , , , , ,	
Resident Fish  Barrier is in EBTJV BKT Catchment  No		No		Stream Health			
		No		Chesapeake Bay Program Stream Health FAIR			
,		No		MD MBSS Benthic IBI Stream Health			N/A
		No					N/A
Barrier Blocks a Modeled BKT Catchment (DeWeber)							N/A
Native Fish Species Richness (HUC8)		62		VA INSTAR mIBI Stream Health			High
# Rare Fish (HUC8)		2	P.	A IBI S	tream Health		N/A
# Rare Mussel (HUC8)		1					
# Rare Crayfish (HUC8)		0					

