Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_510 **WATSON DAM** Diadromous Tier 6 Brook Trout Tier N/A **Resident Tier** 10 NID ID VA14733 State ID 510 River Name Dam Height (ft) 18 Dam Type Earth Latitude 37.2965 Longitude -78.3364 Passage Facilities None Documented N/A Passage Year Size Class 1a: Headwater (0 - 3.861 sq mi)

Sandy River

Bush River

James

Appomattox

Lower Chesapeake

HUC 12

HUC 10

HUC8

HUC 6

HUC 4







	Land	lcover			
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0.38	% Tree Cover in ARA of Upstream Network	43		
% Natural Cover in Upstream Drainage Area	38.82	% Tree Cover in ARA of Downstream Network	86.58		
% Forested in Upstream Drainage Area	34.34	% Herbaceaous Cover in ARA of Upstream Network	46.09		
% Agriculture in Upstream Drainage Area	55.66	% Herbaceaous Cover in ARA of Downstream Network	9.87		
% Natural Cover in ARA of Upstream Network	34.56	% 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	22.06	% Road Impervious in ARA of Upstream Network	1.17		
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36		
% Agricultral Cover in ARA of Upstream Network	58.09	% Other Impervious in ARA of Upstream Network	1.44		
% Agricultral Cover in ARA of Downstream Networl	9.87	% Other Impervious in ARA of Downstream Network	0.38		
% Impervious Surf in ARA of Upstream Network	0.45				
% Impervious Surf in ARA of Downstream Network	0.27				



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	Network, Sy	stem '	Type and Cond	ition		
unctional Upstream Network	(mi) 0.45		Upstre	am Size Class Gain (‡	#)	0
otal Functional Network (mi)	2957.13		# Dowr	# Downsteam Natural Barriers		0
bsolute Gain (mi)	0.45		# Dowr	nstream Hydropowe	r Dams	3
Size Classes in Total Network	5		# Dowr	nstream Dams with I	Passage	3
Upstream Network Size Class	ses 0		# of Do	wnstream Barriers		3
FHAP Cumulative Disturbance	e Index			Very High		
am is on Conserved Land				No		
Conserved Land in 100m Bu	ffer of Upstream Netwo	rk		0		
% Conserved Land in 100m Buffer of Downstream Network				5.91		
ensity of Crossings in Upstrea	am Network Watershed	(#/m	2)	13.67		
ensity of Crossings in Downst	tream Network Watersh	ed (#,	/m2)	0.5		
ensity of off-channel dams in	Upstream Network Wa	tersh	ed (#/m2)	0		
ensity of off-channel dams in	Downstream Network	Wateı	rshed (#/m2)	0		
ownstream Alewife	Current		Downstream S	Striped Bass	None Doc	umented
oownstream Alewife Oownstream Blueback	Current Historical			Striped Bass Atlantic Sturgeon	None Doc	
			Downstream A	·		umented
ownstream Blueback	Historical		Downstream A	Atlantic Sturgeon Shortnose Sturgeon	None Doc	umented
Oownstream Blueback Oownstream American Shad	Historical None Documented None Documented	cies	Downstream S	Atlantic Sturgeon Shortnose Sturgeon	None Doc	umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad	Historical None Documented None Documented tream Anadromous Spec	cies	Downstream A Downstream A	Atlantic Sturgeon Shortnose Sturgeon	None Doc	umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs	Historical None Documented None Documented tream Anadromous Spectream (incl eel)	cies	Downstream S Downstream S Current	Atlantic Sturgeon Shortnose Sturgeon American Eel	None Doc	umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst	Historical None Documented None Documented tream Anadromous Spectream (incl eel) nt Fish	cies	Downstream A Downstream A Current 2	Atlantic Sturgeon Shortnose Sturgeon American Eel	None Doc None Doc Current m Health	umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst Diadromous Species Downst	Historical None Documented None Documented tream Anadromous Spectream (incl eel) nt Fish nent		Downstream A Downstream A Current 2 Chesape	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea	None Doc None Doc Current m Health	umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst Diadromous Species Downst Resider	Historical None Documented None Documented tream Anadromous Spectream (incl eel) nt Fish nent chment (DeWeber)	No	Downstream A Downstream A Current 2 Chesape MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea ake Bay Program Str	None Doc None Doc Current Im Health Team Health	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst Diadromous Species Downst Resider Farrier is in EBTJV BKT Catchmarrier is in Modeled BKT Catch	Historical None Documented None Documented tream Anadromous Spectream (incl eel) nt Fish nent chment (DeWeber) ment	No No No	Downstream A Downstream A Current 2 Chesape MD MBS MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea ake Bay Program Str	None Doc None Doc Current Im Health Team Health The Health	umented umented POOR N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst Diadromous Species Downst Resider Farrier is in EBTJV BKT Catchmarrier is in Modeled BKT Catchmarrier Blocks an EBTJV Catchmarrier Blocks an EBTJV Catchmarrier Blocks an EBTJV Catchmarrier	Historical None Documented None Documented tream Anadromous Spectream (incl eel) Int Fish Inent Ichment (DeWeber) Iment Catchment (DeWeber)	No No No	Downstream A Downstream A Current 2 Chesape MD MBS MD MBS MD MBS	Atlantic Sturgeon Shortnose Sturgeon American Eel Strea ake Bay Program Str SS Benthic IBI Stream ES Fish IBI Stream He	None Doc None Doc Current Im Health Team Health In Health I alth I am Health	umented umented POOR N/A N/A
ownstream Blueback cownstream American Shad cownstream Hickory Shad resence of 1 or More Downst Diadromous Species Downst Resider arrier is in EBTJV BKT Catchm arrier is in Modeled BKT Catch arrier Blocks an EBTJV Catchr arrier Blocks a Modeled BKT	Historical None Documented None Documented tream Anadromous Spectream (incl eel) Int Fish Inent Ichment (DeWeber) Iment Catchment (DeWeber) HUC8)	No No No	Downstream A Downstream A Current 2 Chesape MD MBS MD MBS MD MBS VA INSTA	Strea ake Bay Program Str SS Benthic IBI Stream SS Fish IBI Stream He SS Combined IBI Stre	None Doc None Doc Current Im Health Team Health In Health I alth I am Health	umented umented POOR N/A N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downst Diadromous Species Downst Resider Farrier is in EBTJV BKT Catchm Farrier is in Modeled BKT Catch Farrier Blocks an EBTJV Catchr Farrier Blocks a Modeled BKT	Historical None Documented None Documented tream Anadromous Spectream (incl eel) nt Fish nent chment (DeWeber) ment Catchment (DeWeber) HUC8)	No No No No S8	Downstream A Downstream A Current 2 Chesape MD MBS MD MBS MD MBS VA INSTA	Stream Stream Heal	None Doc None Doc Current Im Health Team Health In Health I alth I am Health	umented umented POOR N/A N/A N/A Very High

