Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID: VA_759 BROAD BRANCH DAM (RESERVOIR # 2)

Bay-wide Diadromous Tier 12
Bay-wide Resident Tier 13

Bay-wide Brook Trout Tier N/A

NID ID

State ID 759

River Name Broad Branch

Dam Height (ft) 24

Dam Type Earth

Latitude 37.6417

Longitude -77.7001

Passage Facilities None Documented

Passage Year N/A

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

HUC 12 Tuckahoe Creek

HUC 10 Tuckahoe Creek-James River

HUC 8 Middle James-Willis

HUC 6 James

HUC 4 Lower Chesapeake







Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	3.3	% Tree Cover in ARA of Upstream Network	18.37		
% Natural Cover in Upstream Drainage Area	45.82	% Tree Cover in ARA of Downstream Network	51.8		
% Forested in Upstream Drainage Area	40.56	% Herbaceaous Cover in ARA of Upstream Network	26.17		
% Agriculture in Upstream Drainage Area	9.64	% Herbaceaous Cover in ARA of Downstream Network	21.72		
% Natural Cover in ARA of Upstream Network	53.01	% Barren Cover in ARA of Upstream Network	0		
% Natural Cover in ARA of Downstream Network	68.59	% Barren Cover in ARA of Downstream Network	0		
% Forest Cover in ARA of Upstream Network	13.11	% Road Impervious in ARA of Upstream Network	0.21		
% Forest Cover in ARA of Downstream Network	40.31	% Road Impervious in ARA of Downstream Network	1.35		
% Agricultral Cover in ARA of Upstream Network	0	% Other Impervious in ARA of Upstream Network	14.76		
% Agricultral Cover in ARA of Downstream Network	7.75	% Other Impervious in ARA of Downstream Network	2.31		
% Impervious Surf in ARA of Upstream Network	6				
% Impervious Surf in ARA of Downstream Network	2.32				



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	Network, Syst	tem Type	e and Condition		
Functional Upstream Network	c (mi) 0.96		Upstream Size Class Gain (‡	‡)	0
Total Functional Network (mi)	6.58		# Downsteam Natural Barr	ers	0
Absolute Gain (mi)	0.96		# Downstream Hydropowe	r Dams	3
# Size Classes in Total Network	k 2		# Downstream Dams with	Passage	2
# Upstream Network Size Clas	ses 1		# of Downstream Barriers		4
NFHAP Cumulative Disturbanc	ce Index		Very High		
Dam is on Conserved Land			No		
% Conserved Land in 100m Bu	iffer of Upstream Network	k	0		
% Conserved Land in 100m Bu	iffer of Downstream Netw	/ork	0		
Density of Crossings in Upstrea	am Network Watershed (#	#/m2)	0		
Density of Crossings in Downs	tream Network Watershe	ed (#/m2	1.36		
Density of off-channel dams in	n Upstream Network Wate	ershed (#	#/m2) 0		
Density of off-channel dams in	n Downstream Network W	/atershe	d (#/m2) 0		
	Dia	adromou	ıs Fish		
Downstream Alewife	Historical	Dov	wnstream Striped Bass	None Doc	umented
Downstream Alewife Downstream Blueback	Historical Historical		wnstream Striped Bass wnstream Atlantic Sturgeon	None Doc	
		Dov			umented
Downstream Blueback	Historical	Dov	wnstream Atlantic Sturgeon	None Doc	umented umented
Downstream Blueback Downstream American Shad	Historical None Documented None Documented	Dov Dov	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon	None Doc	umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad	Historical None Documented None Documented stream Anadromous Speci	Dov Dov	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel	None Doc	umentec umentec
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Historical None Documented None Documented stream Anadromous Speci	Dov Dov Dov	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical	None Doc None Doc	umentec umentec
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside	Historical None Documented None Documented Stream Anadromous Speciatream (incl eel)	Dov Dov des Hist 0	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea	None Doc None Doc None Doc	umented umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downst Reside Barrier is in EBTJV BKT Catchm	Historical None Documented None Documented Stream Anadromous Speci- tream (incl eel) ent Fish nent N	Dov Dov Ses Hist O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str	None Doc None Doc Mone Doc m Health	umented umented umented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch	Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) Ent Fish nent Chment (DeWeber) N	Dov Dov Ses Hist O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream	None Doc None Doc Mone Doc m Health ream Health	umented umented umented POOR N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch	Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) Ent Fish ment N chment (DeWeber) N ment N	Dov Dov es Hist O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He	None Doc None Doc Mone Doc m Health ream Health h Health alth	umented umented umented POOR N/A N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT	Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) Ent Fish ment Chment (DeWeber) Manual Catchment (DeWeber) None Documented None Docu	Dov Dov es Hist O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stre	None Doc None Doc Mone Doc m Health ream Health h Health alth alth	umented umented umented POOR N/A N/A
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downst Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT Native Fish Species Richness (Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) Ent Fish Hent Chment (DeWeber) Ment Catchment (DeWeber) HUC8) N	Dov Dov es Hist O	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stre VA INSTAR mIBI Stream Heal	None Doc None Doc Mone Doc m Health ream Health h Health alth alth	umented umented umented N/A N/A N/A High
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Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downst Reside Barrier is in EBTJV BKT Catchm Barrier is in Modeled BKT Catch Barrier Blocks an EBTJV Catch Barrier Blocks a Modeled BKT Native Fish Species Richness (Historical None Documented None Documented Stream Anadromous Speciatream (incl eel) Ent Fish Hent Chment (DeWeber) Ment Catchment (DeWeber) HUC8) N	Dov Dov Ses Hist O No	wnstream Atlantic Sturgeon wnstream Shortnose Sturgeon wnstream American Eel torical Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stre VA INSTAR mIBI Stream Heal	None Doc None Doc Mone Doc m Health ream Health h Health alth alth	POOR N/A N/A High

