Chesapeake Fish Passage Prioritization - Dam Fact Sheet

CFPPP Unique ID:	VA_514	BRIERY CREEK I
Diadromous Tier	1	
Brook Trout Tier	N/A	
Resident Tier	1	
NID ID	VA14737	
State ID	514	
River Name	Briery Creek	
Dam Height (ft)	64	
Dam Type	Earth	
Latitude	37.2051	
Longitude	-78.4426	
Passage Facilities	None Document	ted
Passage Year	N/A	
Size Class	1b: Creek (3.861	L - 38.61 sq mi)
HUC 12	Briery Creek	
HUC 10	Bush River	
HUC 8	Appomattox	
HUC 6	James	
HUC 4	Lower Chesapea	ake



Landcover					
NLCD (2011)		Chesapeake Conservancy (2016)			
% Impervious Surface in Upstream Drainage Area	0.22	% Tree Cover in ARA of Upstream Network	78.76		
% Natural Cover in Upstream Drainage Area	88.3	% Tree Cover in ARA of Downstream Network	86.58		
% Forested in Upstream Drainage Area	69.42	% Herbaceaous Cover in ARA of Upstream Network	4.88		
% Agriculture in Upstream Drainage Area	8.67	% Herbaceaous Cover in ARA of Downstream Network	9.87		
% Natural Cover in ARA of Upstream Network	93.8	% 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	58.75	% Road Impervious in ARA of Upstream Network	0.22		
% Forest Cover in ARA of Downstream Network	61	% Road Impervious in ARA of Downstream Network	0.36		
% Agricultral Cover in ARA of Upstream Network	5.33	% Other Impervious in ARA of Upstream Network	0.14		
% 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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	Network, Sys	tem Ty	pe and Condition		
Functional Upstream Network	k (mi) 71.34		Upstream Size Class Gain (#)	0
Total Functional Network (mi) 3028.01			# Downsteam Natural Barriers		0
Absolute Gain (mi) 71.34 # Size Classes in Total Network 5			# Downstream Hydropower Dams		3
		# Downstream Dams with Passage		Passage	
# Upstream Network Size Clas	sses 2		# of Downstream Barriers		3
NFHAP Cumulative Disturban	ice Index		Low		
Dam is on Conserved Land			Yes		
% Conserved Land in 100m Bu	uffer of Upstream Networ	·k	28.73		
% Conserved Land in 100m Buffer of Downstream Netw			5.91		
Density of Crossings in Upstre	eam Network Watershed ((#/m2)	0.47		
Density of Crossings in Downs		-			
Density of off-channel dams i	in Upstream Network Wat	ershed	l (#/m2) 0		
Density of off-channel dams i	in Downstream Network V	Vatersh	ned (#/m2) 0		
	Di	adrom	ous Fish		
	D1	auronn	043 1 1311		
Downstream Alewife	Current		ownstream Striped Bass	None Docun	nented
Downstream Alewife Downstream Blueback		D		None Docun	
	Current Historical	D D	ownstream Striped Bass		nented
Downstream Blueback	Current Historical	D D	ownstream Striped Bass ownstream Atlantic Sturgeon	None Docun	nented
Downstream Blueback Downstream American Shad	Current Historical None Documented None Documented	D D D	ownstream Striped Bass ownstream Atlantic Sturgeon ownstream Shortnose Sturgeon	None Docun	nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad	Current Historical None Documented None Documented stream Anadromous Spec	D D D	ownstream Striped Bass ownstream Atlantic Sturgeon ownstream Shortnose Sturgeon ownstream American Eel urrent	None Docun	nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Current Historical None Documented None Documented stream Anadromous Spec	D D D D	ownstream Striped Bass ownstream Atlantic Sturgeon ownstream Shortnose Sturgeon ownstream American Eel urrent	None Docun	nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs	Current Historical None Documented None Documented stream Anadromous Spec stream (incl eel) ent Fish	D D D D	ownstream Striped Bass ownstream Atlantic Sturgeon ownstream Shortnose Sturgeon ownstream American Eel urrent	None Docun None Docun Current m Health	nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside	Current Historical None Documented None Documented stream Anadromous Spec stream (incl eel) ent Fish ment	D D D D D C C 2	ownstream Striped Bass ownstream Atlantic Sturgeon ownstream Shortnose Sturgeon ownstream American Eel urrent Strea	None Docun None Docun Current m Health ream Health	nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchr	Current Historical None Documented None Documented Istream Anadromous Spectorstream (incl eel) ent Fish ment tchment (DeWeber)	D D D D D D D D D D D D D D D D D D D	cownstream Striped Bass cownstream Atlantic Sturgeon cownstream Shortnose Sturgeon cownstream American Eel cownstream Chesapeake Bay Program Str	None Docun None Docun Current m Health ream Health	nented nented
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchr Barrier is in Modeled BKT Cat	Current Historical None Documented None Documented Istream Anadromous Spectorstream (incl eel) ent Fish ment tchment (DeWeber)	D D D D D D D D D D D D D D D D D D D	cownstream Striped Bass cownstream Atlantic Sturgeon cownstream Shortnose Sturgeon cownstream American Eel urrent Streat Chesapeake Bay Program Str	None Docum None Docum Current m Health ream Health h Health	nented nented POOR
Downstream Blueback Downstream American Shad Downstream Hickory Shad Presence of 1 or More Downs # Diadromous Species Downs Reside Barrier is in EBTJV BKT Catchr Barrier is in Modeled BKT Catchr Barrier Blocks an EBTJV Catch	Current Historical None Documented None Documented Istream Anadromous Spectors Istream (incl eel) Pent Fish ment Itchment (DeWeber) Inment It Catchment (DeWeber)	D D D D D D D D D D D D D D D D D D D	cownstream Striped Bass cownstream Atlantic Sturgeon cownstream Shortnose Sturgeon cownstream American Eel urrent Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He	None Docum None Docum Current m Health ream Health h Health Nalth	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 Catche Barrier is in Modeled BKT Catche Barrier Blocks an EBTJV Catche	Current Historical None Documented None Documented Istream Anadromous Spectors Istream (incl eel) ent Fish ment tchment (DeWeber) hment T Catchment (DeWeber) (HUC8)	D D D D D D D D D D D D D D D D D D D	cownstream Striped Bass cownstream Atlantic Sturgeon cownstream Shortnose Sturgeon cownstream American Eel urrent Strea Chesapeake Bay Program Str MD MBSS Benthic IBI Stream MD MBSS Fish IBI Stream He MD MBSS Combined IBI Stre	None Docum None Docum Current m Health ream Health h Health alth Am Health th	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 Catchr Barrier is in Modeled BKT Catchr Barrier Blocks an EBTJV Catchr Barrier Blocks a Modeled BKT Native Fish Species Richness	Current Historical None Documented None Documented Istream Anadromous Spectors In the stream (incl eel) Pent Fish ment It chment (DeWeber) In the stream (DeWeber) It Catchment (DeWeber) (HUC8)	D D D D D D D D D D D D D D D D D D D	cownstream Striped Bass cownstream Atlantic Sturgeon cownstream Shortnose Sturgeon cownstream American Eel urrent Streat 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 Docum None Docum Current m Health ream Health h Health alth Am Health th	POOR N/A N/A N/A Very High

